

CP Papers on Scheduling

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1 Introduction

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2 Conference Paper List

Table 2: PAPERS from bibtex (Total 284)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
AalianPG23 AalianPG23	Y. Aalian, G. Pesant, M. Gamache	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	Yes	[1]	2023	CP 2023	16	285	562
Bit-Monnot23 Bit-Monnot23	A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	Yes	[63]	2023	ECAI 2023	8	321	563
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	Yes	[125]	2023	CPAIOR 2023	16	361	564
JuvinHHL23 JuvinHHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	Yes	[217]	2023	CP 2023	16	420	565
JuvinHL23 JuvinHL23	C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	Yes	[218]	2023	CPAIOR 2023	16	421	566
KameugneFND23 KameugneFND23	R. Kameugne, Séverine Betmbe Fetgo, T. Noulamo, Clémentin Tayou Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	Yes	[222]	2023	CP 2023	17	424	567
KimCMLLP23 KimCMLLP23	D. Kim, Y. Choi, K. Moon, M. Lee, K. Lee, Michael L. Pinedo	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Yes	[231]	2023	CPAIOR 2023	16	429	568
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23	Z. Mehdizadeh-Somarin, R. Tavakkoli-Moghaddam, M. Rohaninejad, Z. Hanzálek, Behdin Vahedi Nouri	A Constraint Programming Model for a Reconfigurable Job Shop Scheduling Problem with Machine Availability	Yes	[295]	2023	APMS 2023	14	468	569
PerezGSL23 PerezGSL23	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	Yes	[338]	2023	ICTAI 2023	7	491	570
PovedaAA23 PovedaAA23	G. Poveda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	Yes	[348]	2023	CP 2023	21	495	571
SquillaciPR23 SquillaciPR23	S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Yes	[387]	2023	CPAIOR 2023	17	517	572
TardivoDFMP23 TardivoDFMP23	F. Tardivo, A. Dovier, A. Formisano, L. Michel, E. Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	Yes	[396]	2023	CPAIOR 2023	18	522	573
TasselGS23 TasselGS23	P. Tassel, M. Gebser, K. Schekotihin	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	Yes	[397]	2023	ICAPS 2023	9	523	574
WangB23 WangB23	R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	Yes	[433]	2023	ICTAI 2023	8	544	575
YuraszeckMC23 YuraszeckMC23	F. Yuraszeck, G. Mejía, D. Canut-de-Bon	A competitive constraint programming approach for the group shop scheduling problem	Yes	[448]	2023	ANT 2023	6	554	576
ArmstrongGOS22 ArmstrongGOS22	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	Yes	[16]	2022	CPAIOR 2022	13	294	577
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling	Yes	[80]	2022	CP 2022	16	333	578
GeitzGSSW22 GeitzGSSW22	M. Geitz, C. Grozea, W. Steigerwald, R. Stöhr, A. Wolf	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches	Yes	[160]	2022	CPAIOR 2022	18	382	579
JungblutK22 JungblutK22	P. Jungblut, D. Kranzlmüller	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	Yes	[216]	2022	IPDPS 2022	4	419	580
LiFJZLL22 LiFJZLL22	X. Li, J. Fu, Z. Jia, Z. Zhao, S. Li, S. Liu	Constraint Programming for a Novel Integrated Optimization of Blocking Job Shop Scheduling and Variable-Speed Transfer Robot Assignment	Yes	[262]	2022	ICNSC 2022	6	449	581
LuoB22 LuoB22	Yiqing L. Luo, J. Christopher Beck	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	Yes	[285]	2022	CPAIOR 2022	17	462	582
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	Yes	[330]	2022	CPAIOR 2022	17	487	583
OujanaAYB22 OujanaAYB22	S. Oujana, L. Amodio, F. Yalaoui, D. Brodard	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	Yes	[331]	2022	CoDIT 2022	6	488	584
PopovicCGNC22 PopovicCGNC22	L. Popovic, A. Côté, M. Gaha, F. Nguewouo, Q. Cappart	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	Yes	[346]	2022	CP 2022	15	494	585

Table 2: PAPERS from bibtex (Total 284)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
SvancaraB22 SvancaraB22	J. Svancara, R. Barták	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling	Yes	[392]	2022	ICAART 2022	8	519	586
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	Yes	[400]	2022	ICAART 2022	8	524	587
TouatBT22 TouatBT22	M. Touat, B. Benhamou, Fatima Benbouzid-Si Tayeb	A Constraint Programming Model for the Scheduling Problem with Flexible Maintenance under Human Resource Constraints	Yes	[407]	2022	ICAART 2022	8	529	588
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Yes	[438]	2022	CP 2022	18	547	589
ZhangJZL22 ZhangJZL22	H. Zhang, Y. Ji, Z. Zhao, S. Liu	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	Yes	[454]	2022	ICNSC 2022	6	555	590
AntuoriHHEN21 AntuoriHHEN21	V. Antuori, E. Hebrard, M. Huguet, S. Essodaigui, A. Nguyen	Combining Monte Carlo Tree Search and Depth First Search Methods for a Car Manufacturing Workshop Scheduling Problem	Yes	[13]	2021	CP 2021	16	291	591
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	Yes	[15]	2021	CP 2021	18	293	592
Astrand0F21 Astrand0F21	M. Åstrand, M. Johansson, Hamid Reza Feyzmahdavian	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Yes	[22]	2021	CPAIOR 2021	18	298	593
BenderWS21 BenderWS21	T. Bender, D. Wittwer, T. Schmidt	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	Yes	[54]	2021	ICCL 2021	16	315	594
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	Yes	[156]	2021	CPAIOR 2021	10	379	595
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling	Yes	[159]	2021	AAAI 2021	9	381	596
HanenKP21 HanenKP21	C. Hanen, Alix Munier Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Yes	[185]	2021	CPAIOR 2021	17	399	597
HillTV21 HillTV21	A. Hill, J. Ticktin, Thomas W. M. Vossen	A Computational Study of Constraint Programming Approaches for Resource-Constrained Project Scheduling with Autonomous Learning Effects	Yes	[202]	2021	CPAIOR 2021	19	409	598
KlankeBYE21 KlankeBYE21	C. Klanke, Dominik R. Bleidorn, V. Yfantis, S. Engell	Combining Constraint Programming and Temporal Decomposition Approaches - Scheduling of an Industrial Formulation Plant	Yes	[232]	2021	CPAIOR 2021	16	430	599
KovacsTKSG21 KovacsTKSG21	B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Yes	[244]	2021	CP 2021	17	435	600
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	Yes	[253]	2021	CP 2021	18	444	601
BarzegaranZP20 BarzegaranZP20	M. Barzegaran, B. Zarrin, P. Pop	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming	Yes	[42]	2020	Fog-IoT 2020	9	309	602
GodetLHS20 GodetLHS20	A. Godet, X. Lorca, E. Hebrard, G. Simonin	Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	Yes	[167]	2020	AAAI 2020	8	388	603
GroleazNS20 GroleazNS20	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO	Yes	[178]	2020	CP 2020	17	395	604
GroleazNS20a GroleazNS20a	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	Yes	[177]	2020	GECCO 2020	9	396	605
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	Yes	[298]	2020	CPAIOR 2020	13	470	606
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Yes	[315]	2020	CP 2020	16	480	607
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	Yes	[394]	2020	CPAIOR 2020	16	521	608
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	Yes	[432]	2020	ECAI 2020	8	543	609

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Yes	[436]	2020	CPAIOR 2020	10	546	610
BadicaBIL19 BadicaBIL19	A. Badica, C. Badica, M. Ivanovic, D. Logofatu	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	Yes	[26]	2019	IDC 2019	11	300	611
BehrensLM19 BehrensLM19	Jan Kristof Behrens, R. Lange, M. Mansouri	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks	Yes	[47]	2019	ICRA 2019	7	311	612
BogaerdtW19 BogaerdtW19	Pim van den Bogaerdt, Mathijs de Weerd	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	Yes	[413]	2019	CPAIOR 2019	16	325	613
ColT19 ColT19	Giacomo Da Col, Erich Christian Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	Yes	[99]	2019	CP 2019	17	347	614
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	Yes	[144]	2019	CP 2019	17	370	615
FrohnerTR19 FrohnerTR19	N. Frohner, S. Teuschl, Günther R. Raidl	Casual Employee Scheduling with Constraint Programming and Metaheuristics	Yes	[145]	2019	EUROCAST 2019	9	371	616
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sirbu, Özalp Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	Yes	[147]	2019	CP 2019	18	373	617
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	Yes	[158]	2019	CPAIOR 2019	16	380	618
KucukY19 KucukY19	M. Küçük, Seyda Topaloglu Yildiz	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem	Yes	[249]	2019	RAST 2019	5	440	619
LiuLH19 LiuLH19	K. Liu, S. Löffler, P. Hofstedt	Solving the Talent Scheduling Problem by Parallel Constraint Programming	Yes	[269]	2019	AIAI 2019	9	456	620
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	Yes	[289]	2019	CPAIOR 2019	17	466	621
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	Yes	[309]	2019	CP 2019	16	477	622
ParkUJR19 ParkUJR19	H. Park, J. Um, J. Jung, M. Ruskowski	Developing a Production Scheduling System for Modular Factory Using Constraint Programming	Yes	[336]	2019	RAAD 2019	8	489	623
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling	Yes	[405]	2019	FUZZ-IEEE 2019	6	528	624
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables	Yes	[444]	2019	CPAIOR 2019	10	552	625
ArbaouiY18 ArbaouiY18	T. Arbaoui, F. Yalaoui	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming	Yes	[14]	2018	ACIIDS 2018	10	292	626
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	Yes	[23]	2018	CPAIOR 2018	9	299	627
BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	Yes	[56]	2018	CPAIOR 2018	10	316	628
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	Yes	[114]	2018	CPAIOR 2018	18	354	629
He0GLW18 He0GLW18	S. He, M. Wallace, G. Gange, A. Liebman, C. Wilson	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing	Yes	[188]	2018	CP 2018	18	400	630
HoYCLLC18 HoYCLLC18	T. Ho, J. Yao, Y. Chang, F. Lai, J. Lai, S. Chu, W. Liao, H. Chiu	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints	Yes	[203]	2018	AICCC 2018	6	410	631
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	Yes	[221]	2018	CPAIOR 2018	17	423	632
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	Yes	[251]	2018	CPAIOR 2018	9	443	633
NishikawaSTT18 NishikawaSTT18	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Fork-Join Tasks with Constraint Programming	Yes	[317]	2018	CANDAR 2018	6	481	634

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NishikawaSTT18a	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Tasks Based on Constraint Programming	Yes	[318]	2018	TENCON 2018	6	482	635
NishikawaSTT18a OuelletQ18	Ouellet, C. Quimper	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning	Yes	[329]	2018	CPAIOR 2018	18	486	636
RiahiNS018	V. Riahi, M. A. Hakim Newton, K. Su, A. Sattar	Local Search for Flowshops with Setup Times and Blocking Constraints	Yes	[358]	2018	ICAPS 2018	9	502	637
Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	Yes	[402]	2018	CP 2018	17	526	638
BofillCSV17	M. Bofill, J. Coll, J. Suy, M. Villaret	An Efficient SMT Approach to Solve MRCPSp/max Instances with Tight Constraints on Resources	Yes	[66]	2017	CP 2017	9	322	639
BofillCSV17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	Yes	[89]	2017	CPAIOR 2017	16	337	640
GelainPRVW17	M. Gelain, Maria Silvia Pini, F. Rossi, Kristen Brent Venable, T. Walsh	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems	Yes	[161]	2017	CPAIOR 2017	16	383	641
GoldwaserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	Yes	[170]	2017	CP 2017	16	389	642
Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams	Yes	[208]	2017	CP 2017	14	414	643
KletzanderM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	Yes	[233]	2017	CPAIOR 2017	15	431	644
LiuCGM17	T. Liu, Roberto Di Cosmo, M. Gabbrielli, J. Mauro	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Yes	[270]	2017	CP 2017	17	454	645
Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters	Yes	[287]	2017	ICPADS 2017	8	464	646
MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling,	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	Yes	[305]	2017	CP 2017	18	474	647
MossigeGSMC17 Pralet17	M. Carlsson C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources	Yes	[349]	2017	CP 2017	19	496	648
YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	Yes	[446]	2017	CP 2017	10	553	649
BonfiettiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	Yes	[76]	2016	CP 2016	17	331	650
BonfiettiZLM16 BoothNB16	Kyle E. C. Booth, G. Nejat, J. Christopher Beck	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes	Yes	[77]	2016	CP 2016	17	332	651
BridiLBBM16	T. Bridi, M. Lombardi, A. Bartolini, L. Benini, M. Milano	DARDIS: Distributed And Randomized DIspatching and Scheduling	Yes	[84]	2016	ECAI 2016	2	334	652
CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	Yes	[92]	2016	CP 2016	16	340	653
FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers	Yes	[140]	2016	CPAIOR 2016	11	367	654
GilesH16	K. Giles, Willem-Jan van Hoeve	Solving a Supply-Delivery Scheduling Problem with Constraint Programming	Yes	[163]	2016	CP 2016	16	385	655
GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	Yes	[164]	2016	IJCAI 2016	7	386	656
HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	Yes	[190]	2016	CPAIOR 2016	11	402	657
JelinekB16	J. Jelinek, R. Barták	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station	Yes	[214]	2016	PADL 2016	10	418	658
LimHTB16	B. Lim, Hassan L. Hijazi, S. Thiébaux, Menkes van den Briel	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control	Yes	[265]	2016	CP 2016	18	451	659
Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	Yes	[286]	2016	CPAIOR 2016	16	463	660
SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints	Yes	[373]	2016	CP 2016	17	510	661
SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	Yes	[393]	2016	CP 2016	10	520	662

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
Tesch16	Tesch16	A. Tesch	Yes	[401]	2016	CP 2016	27	525	663
BartakV15	BartakV15	R. Barták, M. Vlk	Yes	[40]	2015	ICAART 2015	12	307	664
BofillGSV15	BofillGSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	Yes	[68]	2015	CPAIOR 2015	9	324	665
BurtLPS15	BurtLPS15	Christina N. Burt, N. Lipovetzky, Adrian R. Pearce, Peter J. Stuckey	Yes	[86]	2015	CPAIOR 2015	17	336	666
DejemeppeCS15	DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	Yes	[111]	2015	CP 2015	16	352	667
EvenSH15	EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	Yes	[130]	2015	CP 2015	18	365	668
GayHLS15	GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Yes	[151]	2015	CP 2015	9	375	669
GayHS15	GayHS15	S. Gay, R. Hartert, P. Schaus	Yes	[152]	2015	CP 2015	9	376	670
GayHS15a	GayHS15a	S. Gay, R. Hartert, P. Schaus	Yes	[153]	2015	CPAIOR 2015	16	377	671
KreterSS15	KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Yes	[245]	2015	CP 2015	17	438	672
LimBTBB15	LimBTBB15	B. Lim, Menkes van den Briel, S. Thiébaux, R. Bent, S. Backhaus	Yes	[266]	2015	CPAIOR 2015	15	450	673
LombardiBM15	LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Yes	[272]	2015	CP 2015	16	457	674
MelgarejoLS15	MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	Yes	[7]	2015	CPAIOR 2015	17	469	675
MurphyMB15	MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Yes	[310]	2015	CP 2015	17	478	676
PesantRR15	PesantRR15	G. Pesant, G. Rix, L. Rousseau	Yes	[340]	2015	CPAIOR 2015	16	492	677
PraletLJ15	PraletLJ15	C. Pralet, S. Lemai-Chenevier, J. Jaubert	Yes	[350]	2015	CP 2015	16	497	678
SialaAH15	SialaAH15	M. Siala, C. Artigues, E. Hebrard	Yes	[380]	2015	CP 2015	10	513	679
VilimLS15	VilimLS15	P. Vilím, P. Laborie, P. Shaw	Yes	[427]	2015	CPAIOR 2015	17	542	680
ZhouGL15	ZhouGL15	J. Zhou, Y. Guo, G. Li	Yes	[460]	2015	FSKD 2015	5	558	681
AlesioNBG14	AlesioNBG14	Stefano Di Alesio, S. Nejati, Lionel C. Briand, A. Gotlieb	Yes	[118]	2014	CP 2014	18	289	682
BartoliniBBLM14	BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Yes	[41]	2014	CP 2014	16	308	683
BessiereHMQW14	BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Yes	[61]	2014	CPAIOR 2014	16	319	684
BofillEGPSV14	BofillEGPSV14	M. Bofill, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Yes	[67]	2014	CP 2014	16	323	685
BonfiettiLM14	BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Yes	[74]	2014	CPAIOR 2014	16	329	686
DejemeppeD14	DejemeppeD14	C. Dejemeppe, Y. Deville	Yes	[112]	2014	CPAIOR 2014	9	353	687
DerrienP14	DerrienP14	A. Derrien, T. Petit	Yes	[116]	2014	CP 2014	9	355	688
DerrienPZ14	DerrienPZ14	A. Derrien, T. Petit, S. Zampelli	Yes	[117]	2014	CP 2014	9	356	689

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DoulabiRP14 DoulabiRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	Yes	[122]	2014	CPAIOR 2014	9	359	690
FriedrichFMRSS14 FriedrichFMRSS14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	No	[143]	2014	GOR 2014	7	No	691
GaySS14 GaySS14	S. Gay, P. Schaus, Vivian De Smedt	Continuous Casting Scheduling with Constraint Programming	Yes	[154]	2014	CP 2014	15	378	692
HoundjiSWD14 HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville	The StockingCost Constraint	Yes	[210]	2014	CP 2014	16	416	693
KoschB14 KoschB14	S. Kosch, J. Christopher Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	Yes	[237]	2014	CPAIOR 2014	16	433	694
BonfiettiLM13 BonfiettiLM13	A. Bonfietti, M. Lombardi, M. Milano	De-Cycling Cyclic Scheduling Problems	Yes	[73]	2013	ICAPS 2013	5	328	695
CireCH13 CireCH13	André A. Ciré, E. Coban, John N. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	Yes	[96]	2013	CPAIOR 2013	7	344	696
GuSS13 GuSS13	H. Gu, A. Schutt, Peter J. Stuckey	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	Yes	[180]	2013	CPAIOR 2013	7	398	697
HeinzKB13 HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	Yes	[192]	2013	CPAIOR 2013	16	404	698
KelarevaTK13 KelarevaTK13	E. Kelareva, K. Tierney, P. Kilby	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	Yes	[226]	2013	CPAIOR 2013	17	426	699
LetortCB13 LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the <i>k-dimensional cumulative</i> Constraint	Yes	[260]	2013	CPAIOR 2013	16	448	700
LombardiM13 LombardiM13	M. Lombardi, M. Milano	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling	Yes	[279]	2013	ICAPS 2013	2	461	701
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	Yes	[328]	2013	CP 2013	16	485	702
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation	Yes	[370]	2013	CP 2013	17	507	703
SchuttFS13a SchuttFS13a	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Yes	[369]	2013	CPAIOR 2013	17	508	704
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	Yes	[62]	2012	CPAIOR 2012	15	320	705
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	Yes	[71]	2012	CPAIOR 2012	16	327	706
BonfiettiM12 BonfiettiM12	A. Bonfietti, M. Milano	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem	Yes	[75]	2012	DC SIAAI 2012	3	330	707
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	Yes	[191]	2012	CPAIOR 2012	17	403	708
IfrimOS12 IfrimOS12	G. Ifrim, B. O'Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	Yes	[212]	2012	CP 2012	16	417	709
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	Yes	[259]	2012	CP 2012	16	447	710
RendlPHPR12 RendlPHPR12	A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling	Yes	[357]	2012	CPAIOR 2012	17	501	711
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	Yes	[368]	2012	CPAIOR 2012	17	506	712
SerraNM12 SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach	Yes	[375]	2012	CP 2012	17	512	713
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	Yes	[381]	2012	CP 2012	15	514	714
ZhangLS12 ZhangLS12	X. Zhang, Z. Lv, X. Song	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method	Yes	[457]	2012	CIT 2012	4	556	715
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	Yes	[70]	2011	CP 2011	15	326	716
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	Yes	[94]	2011	CPAIOR 2011	6	342	717

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ClercqPBJ11 ClercqPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	Yes	[97]	2011	CP 2011	16	345	718
EdisO11 EdisO11	Emrah B. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach	Yes	[124]	2011	CPAIOR 2011	7	360	719
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	Yes	[174]	2011	CP 2011	17	393	720
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study	Yes	[194]	2011	SEA 2011	10	405	721
HermenierDL11 HermenierDL11	F. Hermenier, S. Demasse, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters	Yes	[201]	2011	CP 2011	15	408	722
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	Yes	[223]	2011	CP 2011	15	425	723
LahimerLH11 LahimerLH11	A. Lahimer, P. Lopez, M. Haouari	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks	Yes	[255]	2011	CPAIOR 2011	14	445	724
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	Yes	[273]	2011	CPAIOR 2011	17	458	725
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	Yes	[424]	2011	CPAIOR 2011	16	540	726
ZibranR11 ZibranR11	Minhaz F. Zibran, Chanchal K. Roy	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach	Yes	[462]	2011	ICPC 2011	4	560	727
ZibranR11a ZibranR11a	Minhaz F. Zibran, Chanchal K. Roy	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring	Yes	[463]	2011	SCAM 2011	10	561	728
BertholdHLS10 BertholdHLS10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling	Yes	[60]	2010	CPAIOR 2010	5	318	729
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	Yes	[98]	2010	CPAIOR 2010	5	346	730
Davenport10 Davenport10	Andrew J. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing	Yes	[105]	2010	CPAIOR 2010	5	350	731
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	Yes	[173]	2010	CPAIOR 2010	15	392	732
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	Yes	[276]	2010	CP 2010	15	460	733
MakMS10 MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems	Yes	[288]	2010	ICNC 2010	5	465	734
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	Yes	[374]	2010	CP 2010	15	511	735
SunLYL10 SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming	Yes	[390]	2010	GreenCom 2010	6	518	736
Acuna-AgostMFG09 Acuna-AgostMFG09	R. Acuna-Agost, P. Michelon, D. Feillet, S. Gueye	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations	Yes	[4]	2009	CPAIOR 2009	2	287	737
AronssonBK09 AronssonBK09	M. Aronsson, M. Bohlin, P. Kreuger	MILP formulations of cumulative constraints for railway scheduling - A comparative study	Yes	[17]	2009	ATMOS 2009	13	295	738
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	Yes	[27]	2009	CP 2009	1	301	739
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	Yes	[175]	2009	CP 2009	9	394	740
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	Yes	[250]	2009	CPAIOR 2009	15	442	741
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations	Yes	[274]	2009	CP 2009	15	459	742

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MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming	Yes	[302]	2009	ICAPS 2009	8	473	743
MonetteDH09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	Yes	[371]	2009	CP 2009	16	509	744
SchuttFSW09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling	Yes	[403]	2009	HM 2009	15	527	745
ThiruvadyBME09	P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$	Yes	[422]	2009	CP 2009	15	538	746
Vilim09 Vilim09	P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	Yes	[423]	2009	CPAIOR 2009	15	539	747
Vilim09a Vilim09a	A. Barlatt, Amy Mainville Cohn, Oleg Yu. Gusikhin	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems	Yes	[33]	2008	CPAIOR 2008	5	304	748
BarlattCG08	N. Beldiceanu, M. Carlsson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	Yes	[51]	2008	CPAIOR 2008	15	313	749
BeldiceanuCP08	G. Doms, Pascal Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	Yes	[121]	2008	CPAIOR 2008	16	358	750
DomsH08 DomsH08	Pascal Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	Yes	[200]	2008	CPAIOR 2008	5	407	751
HentenryckM08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)	Yes	[257]	2008	CPAIOR 2008	5	446	752
LauLN08 LauLN08	Arnaldo Vieira Moura, Cid C. de Souza, André A. Ciré, Tony Minoru Tamura Lopes	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network	Yes	[307]	2008	CP 2008	16	475	753
MouraSCL08	Arnaldo Vieira Moura, Cid C. de Souza, André A. Ciré, Tony Minoru Tamura Lopes	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem	Yes	[306]	2008	CSE 2008	8	476	754
MouraSCL08a	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	Yes	[342]	2008	ICAPS 2008	8	493	755
MouraSCL08a	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	Yes	[435]	2008	CPAIOR 2008	15	545	756
PoderB08 PoderB08	J. M. van den Akker, G. Diepen, J. A. Hoogeveen	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems	Yes	[412]	2007	CPAIOR 2007	15	288	757
WatsonB08 WatsonB08	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	Yes	[52]	2007	CPAIOR 2007	15	314	758
AkkerDH07 AkkerDH07	Andrew J. Davenport, J. Kalagnanam, C. Reddy, S. Siegel, J. Hou	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing	Yes	[106]	2007	CP 2007	13	351	759
DavenportKRSH07	A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem	Yes	[148]	2007	CP 2007	13	374	760
GarganiR07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming	Yes	[415]	2007	AAAI 2007	6	411	761
HoeveGSL07	A. Kéri, T. Kis	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method	Yes	[228]	2007	CPAIOR 2007	14	427	762
KeriK07 KeriK07	Roman van der Krogt, J. Little, K. Pulliam, S. Hanhila, Y. Jin	Scheduling for Cellular Manufacturing	Yes	[414]	2007	CP 2007	13	439	763
KrogtLPHJ07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming	Yes	[267]	2007	GOR 2007	6	453	764
KrogtLPHJ07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	Yes	[301]	2007	CPAIOR 2007	14	472	765
Limtanyakul07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	Yes	[360]	2007	CPAIOR 2007	15	504	766
Limtanyakul07	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	Yes	[57]	2006	CPAIOR 2006	15	317	767
MonetteDD07	Carla P. Gomes, Willem Jan van Hoeve, B. Selman	Constraint Programming for Distributed Planning and Scheduling	Yes	[172]	2006	AAAI 2006	2	391	768
RossiTHP07									
RossiTHP07									
BeniniBGM06									
BeniniBGM06									
GomesHS06									
GomesHS06									

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
KhemmoudjPB06 KhemmoudjPB06	Mohand Ou Idir Khemmoudj, M. Porcheron, H. Bennaecur	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages	Yes	[230]	2006	CP 2006	13	428	769
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	Yes	[243]	2006	CPAIOR 2006	13	437	770
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming	Yes	[271]	2006	PRICAI 2006	5	455	771
QuSN06 QuSN06	Y. Qu, J. Soininen, J. Nurmi	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices	Yes	[355]	2006	SoC 2006	4	499	772
AbrilSB05 AbrilSB05	M. Abril, Miguel A. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems	Yes	[3]	2005	CP 2005	1	286	773
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	Yes	[20]	2005	CP 2005	15	297	774
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models	Yes	[90]	2005	CP 2005	1	338	775
ChuX05 ChuX05	Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems	Yes	[95]	2005	CPAIOR 2005	15	343	776
DilkinaDH05 DilkinaDH05	B. Dilkina, L. Duan, William S. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems	Yes	[119]	2005	CP 2005	5	357	777
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	Yes	[141]	2005	CP 2005	15	368	778
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	Yes	[142]	2005	CPAIOR 2005	18	369	779
Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming	Yes	[162]	2005	INAP 2005	18	384	780
GodardLN05 GodardLN05	D. Godard, P. Laborie, W. Nuijten	Randomized Large Neighborhood Search for Cumulative Scheduling	Yes	[165]	2005	ICAPS 2005	9	387	781
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	Yes	[189]	2005	CP 2005	1	401	782
Hooker05a Hooker05a	John N. Hooker	Planning and Scheduling to Minimize Tardiness	Yes	[206]	2005	CP 2005	14	413	783
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	Yes	[240]	2005	CP 2005	1	434	784
MoffittPP05 MoffittPP05	Michael D. Moffitt, B. Peintner, Martha E. Pollack	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints	Yes	[299]	2005	AAAI 2005	6	471	785
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS	Yes	[356]	2005	ICRA 2005	6	500	786
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint	Yes	[421]	2005	CPAIOR 2005	14	537	787
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application	Yes	[440]	2005	INAP 2005	14	549	788
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates	Yes	[443]	2005	CP 2005	1	551	789
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	Yes	[18]	2004	CPAIOR 2004	13	296	790
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	Yes	[199]	2004	CPAIOR 2004	16	406	791
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling	Yes	[204]	2004	CP 2004	12	412	792
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	Yes	[242]	2004	CP 2004	15	436	793
LimRX04 LimRX04	A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes	Yes	[264]	2004	CP 2004	5	452	794
MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	Yes	[292]	2004	CPAIOR 2004	20	467	795

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	Yes	[363]	2004	CPAIOR 2004	7	505	796
Vilim04 Vilim04	P. Vilím	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint	Yes	[420]	2004	CPAIOR 2004	13	536	797
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	Yes	[425]	2004	CP 2004	15	541	798
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	No	[428]	2004	ISCA 2004	6	No	799
WolinskiKG04 WolinskiKG04	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures	Yes	[441]	2004	DSD 2004	8	550	800
WolinskiKG04a WolinskiKG04a	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A constraints programming approach to communication scheduling on SoPC architectures	No	[442]	2004	FPGA 2004	1	No	801
DannaP03 DannaP03	E. Danna, L. Perron	Structured vs. Unstructured Large Neighborhood Search: A Case Study on Job-Shop Scheduling Problems with Earliness and Tardiness Costs	Yes	[103]	2003	CP 2003	5	349	802
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	Yes	[248]	2003	CP 2003	15	441	803
OddiPCC03 OddiPCC03	A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem	Yes	[327]	2003	CP 2003	15	484	804
ValleMGTO3 ValleMGTO3	Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, M. Toro	On Selecting and Scheduling Assembly Plans Using Constraint Programming	Yes	[411]	2003	KES 2003	8	531	805
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints	Yes	[419]	2003	CP 2003	1	535	806
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals	Yes	[439]	2003	CP 2003	15	548	807
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	Yes	[35]	2002	CP 2002	16	305	808
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling	Yes	[34]	2002	ERCIM/CologNet 2002	15	306	809
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights	Yes	[49]	2002	CP 2002	17	312	810
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Guéret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	Yes	[126]	2002	CP 2002	6	362	811
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Guéret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools	Yes	[127]	2002	PATAT 2002	24	363	812
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	Yes	[209]	2002	CP 2002	5	415	813
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling	Yes	[219]	2002	CP 2002	17	422	814
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	Yes	[311]	2002	CP 2002	16	479	815
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times	Yes	[418]	2002	CP 2002	1	534	816
ZhuS02 ZhuS02	Kenny Qili Zhu, Andrew E. Santosa	A Meeting Scheduling System Based on Open Constraint Programming	Yes	[461]	2002	CAiSE 2002	5	559	817
VanczaM01 VanczaM01	J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning	Yes	[416]	2001	CP 2001	15	532	818
VerfaillieL01 VerfaillieL01	G. Verfaillie, M. Lemaître	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View	Yes	[417]	2001	CP 2001	15	533	819
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra	Yes	[12]	2000	CP 2000	5	290	820
FocacciLN00 FocacciLN00	F. Focacci, P. Laborie, W. Nuijten	Solving Scheduling Problems with Setup Times and Alternative Resources	Yes	[139]	2000	AIPS 2000	10	366	821
KorbaaYG99 KorbaaYG99	O. Korbaa, P. Yim, J. Gentina	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming	Yes	[235]	1999	ECC 1999	8	432	822
CestaOS98 CestaOS98	A. Cesta, A. Oddi, Stephen F. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints	Yes	[93]	1998	CP 1998	1	341	823

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
FrostD98 FrostD98	D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units	Yes	[146]	1998	CP 1998	1	372	824
GruianK98 GruianK98	F. Gruian, K. Kuchinski	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming	Yes	[179]	1998	EUROMICRO 1998	8	397	825
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	Yes	[337]	1998	DIMACS 1998	14	490	826
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	Yes	[359]	1998	CP 1998	15	503	827
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[30]	1997	CP 1997	15	303	828
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research	Yes	[43]	1997	CP 1997	15	310	829
BoucherBVBL97 BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	No	[79]	1997	PACT 1997	18	No	830
Caseau97 Caseau97	Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel	Yes	[91]	1997	CP 1997	4	339	831
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	No	[334]	1997	PACT 1997	20	No	832
BrusoniCLMMT96 BrusoniCLMMT96	V. Brusoni, L. Console, E. Lamma, P. Mello, M. Milano, P. Terenziani	Resource-Based vs. Task-Based Approaches for Scheduling Problems	Yes	[85]	1996	ISMIS 1996	10	335	833
Colombani96 Colombani96	Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem	Yes	[101]	1996	CP 1996	15	348	834
Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem	Yes	[458]	1996	CP 1996	15	557	835
Goltz95 Goltz95	H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling	Yes	[171]	1995	CP 1995	14	390	836
Puget95 Puget95	J. Puget	Applications of Constraint Programming	Yes	[352]	1995	CP 1995	4	498	837
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications	Yes	[383]	1995	CP 1995	4	515	838
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	Yes	[385]	1995	CP 1995	14	516	839
Touraivane95 Touraivane95	Touraivane	Constraint Programming and Industrial Applications	Yes	[408]	1995	CP 1995	3	530	840
JourdanFRD94 JourdanFRD94	J. Jourdan, F. Fages, D. Rozzonelli, A. Demeure	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming	No	[215]	1994	ILPS 1994	1	No	841
NuijtenA94 NuijtenA94	W. P. M. Nuijten, Emile H. L. Aarts	Constraint Satisfaction for Multiple Capacitated Job Shop Scheduling	Yes	[325]	1994	ECAI 1994	5	483	842
AggounB92 AggounB92	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	No	[5]	1992	JFPL 1992	1	No	843
BaptisteLV92 BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	Yes	[32]	1992	ICRA 1992	6	302	844
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint Logic Programming	Yes	[128]	1991	PLILP 1991	12	364	845

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AalianPG23 [1]	16	scheduling, preempt, activity, flow-shop, order, transportation, machine, make-span, resource		cycle, alwaysIn, cumulative, noOverlap, endBeforeStart		CPO, Cplex	steel cable	mining industry	real-world		1	562
AbrilSB05 [3]	1	distributed, scheduling, multi-agent, order					railway				212	773
Acuna-AgostMFG09 [4]	2	re-scheduling, order, scheduling, transportation					railway		Roadef		176	737
AkkerDH07 [412]	15	resource, due-date, scheduling, make-span, precedence, order, cmax, completion-time, machine, job, lateness, release-date, sequence	RCPSP, single machine, parallel machine	cumulative		Cplex					196	757
AlesioNBG14 [118]	18	dependent setup, preempt, preempt, job-shop, distributed, scheduling, completion-time, make-span, resource, open-shop, order, job, activity, task		alldifferent		OPL, Cplex	automotive		benchmark		121	682
AngelsmarkJ00 [12]	5	resource, job, order, scheduling, task, job-shop									259	820
AntuoriHHEN21 [13]	16	release-date, resource, transportation, job, order, due-date, tardiness, scheduling, machine, task, job-shop, precedence		cycle	C++, Java	Choco Solver, Gecode	automotive, car manufacturing	automotive industry	gitlab, supplementary material		30	591
ArbaouiY18 [14]	10	setup-time, order, machine, make-span, sequence dependent setup, completion-time, cmax, resource, job, scheduling	single machine, parallel machine	alternative constraint, noOverlap, cumulative	C++	OZ, Cplex			benchmark		65	626
ArmstrongGOS21 [15]	18	machine, transportation, flow-shop, job-shop, scheduling, job, make-span, order, completion-time, sequence dependent setup, preempt, resource, setup-time, precedence, task, cmax	HFF	alternative constraint, cycle, table constraint, circuit, diffn, bin-packing, cumulative	Java, Prolog	OZ, MiniZinc, CPO, Chuffed, Gecode, SICStus, Cplex, CHIP	robot	packaging industry	instance generator, industry partner, zenodo, supplementary material, real-world, industrial partner, benchmark	energetic reasoning	31	592
ArmstrongGOS22 [16]	13	machine, transportation, flow-shop, scheduling, job, re-scheduling, make-span, order, completion-time, resource, task, cmax	HFF, parallel machine	noOverlap, cumulative	Prolog	OZ, OPL, SICStus			real-world, benchmark		16	577
AronssonBK09 [17]	13	job-shop, transportation, order, job, task		cumulative	Prolog	Cplex, CHIP	railway		real-world, real-life	sweep	177	738
ArtiguesBF04 [18]	13	job, batch process, cmax, make-span, release-date, resource, precedence, completion-time, sequence dependent setup, job-shop, setup-time, preempt, scheduling, order, machine		disjunctive	C++	Ilog Scheduler, Ilog Solver			benchmark	edge-finding	229	790

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ArtiouchineB05 [20]	15	re-scheduling, release-date, scheduling, order, completion-time, job, resource, make-span, activity, preempt, open-shop, machine, precedence, job-shop	parallel machine, single machine	disjunctive, cumulative		Ilog Scheduler	aircraft		generated instance, random instance	not-last, edge-finding, not-first	213	774
Astrand0F21 [22]	18	resource, open-shop, task, machine, precedence, job-shop, make-span, order, job, activity, scheduling		cycle, disjunctive		Gecode	farming, forestry, robot, satellite, agriculture	potash industry, mining industry, mineral industry	benchmark, real-world, real-life, generated instance		32	593
AstrandJZ18 [23]	9	resource, task, machine, make-span, order, activity, scheduling	single machine	disjunctive, cumulative, cycle		Gecode	hoist, robot	potash industry		time-tabling	66	627
BadicaBIL19 [26]	11	completion-time, resource, order, activity, machine, multi-agent, distributed, make-span, scheduling		cycle		ECLiPSe, Gecode			github		50	611
Baptiste09 [27]	1	scheduling									178	739
BaptisteLV92 [32]	6										283	844
BaptisteP97 [30]	15	resource, task, preempt, precedence, release-date, flow-shop, job-shop, scheduling, re-scheduling, make-span, order, job, activity, due-date	RCPSP	disjunctive, cumulative	C++	Claire, CHIP			benchmark	edge-finding, edge-finder	267	828
BarlattCG08 [33]	5	scheduling, resource, setup-time, job, task, machine, flow-shop, job-shop, transportation					automotive, pipeline		real-world		187	748
Bartak02 [35]	16	make-span, scheduling, machine, continuous-process, job, resource, activity, lateness, job-shop, task, precedence, earliness, order		disjunctive, cumulative	Prolog	SICStus, OZ	dairies		real-life	edge-finding, time-tabling	247	808
Bartak02a [34]	15	activity, re-scheduling, earliness, job-shop, resource, scheduling, make-span, task, precedence, order, machine, tardiness, job		cumulative, disjunctive		Ilog Scheduler	dairies		benchmark, real-life	time-tabling, edge-finding	248	809
BartakV15 [40]	12	job-shop, resource, scheduling, make-span, precedence, order, machine, job, lateness, activity, re-scheduling, setup-time							real-world, real-life	sweep	103	664
BartoliniBBLM14 [41]	16	resource, tardiness, task, job, activity, make-span, machine, scheduling		alternative constraint, cumulative			super-computer				122	683
BarzegaranZP20 [42]	9	re-scheduling, resource, distributed, machine, task, scheduling, order			Java	OR-Tools	automotive, robot				41	602
BeckDF97 [43]	15	precedence, release-date, due-date, re-scheduling, make-span, order, scheduling, resource, inventory, machine, job, job-shop, task, activity	single machine	cycle, cumulative			robot		benchmark, real-world	edge-finding	268	829

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BehrensLM19 [47]	7	order, setup-time, resource, task, machine, distributed, multi-agent, scheduling, make-span			Python	OR-Tools, MiniZinc, OZ	robot		real-world, github		51	612
BeldiceanuC02 [49]	17	order, producer/consumer, scheduling, machine, task, resource, activity	single machine	cumulative	Prolog	SICStus, CHIP, OZ	crew-scheduling		real-life, random instance, benchmark	sweep	249	810
BeldiceanuCP08 [51]	15	resource, task, scheduling, order		geost, cumulative, disjunctive	Prolog	SICStus, CHIP, OPL	rectangle-packing, perfect-square		benchmark	edge-finding, sweep	188	749
BeldiceanuP07 [52]	15	preempt, scheduling, release-date, task, resource, order, due-date		cumulative, disjunctive						sweep	197	758
BenderWS21 [54]	16	preempt, activity, task, order, machine, make-span, job, distributed, resource, setup-time, scheduling	RCPSP	noOverlap	Python		agriculture				33	594
BenediktSMVH18 [56]	10	job-shop, scheduling, order, job, preempt, resource, machine	single machine, parallel machine	noOverlap		OZ, Gurobi	energy-price		github, random instance, generated instance		67	628
BeniniBGM06 [57]	15	activity, task, distributed, tardiness, precedence, scheduling, make-span, resource, order, setup-time		cycle, cumulative		ECLiPSe, Cplex, Ilog Solver, OZ	automotive, pipeline		real-life		206	767
BertholdHLMS10 [60]	5	precedence, scheduling, order, completion-time, job, resource, preempt	psplib, RCPSP	disjunctive, cumulative		Cplex, Z3					168	729
BessiereHMQW14 [61]	16	scheduling, order, job, resource, setup-time, task, machine		alldifferent, cycle		Choco Solver	satellite	textile industry	benchmark, real-life		123	684
BillautHL12 [62]	15	tardiness, precedence, release-date, flow-shop, job-shop, make-span, order, setup-time, job, scheduling, completion-time, due-date, resource, open-shop, machine, cmax	single machine	cycle		Mistral, Cplex			random instance		144	705
Bit-Monnot23 [63]	8	precedence, scheduling, machine, distributed, order, job, make-span, open-shop, task, lazy clause generation, job-shop, resource, activity	Open Shop Scheduling Problem, OSP	cycle, cumulative, disjunctive		OR-Tools, MiniZinc, CPO, Mistral			real-world, github, benchmark		2	563
BofillCSV17 [66]	9	machine, preempt, cmax, lazy clause generation, precedence, scheduling, make-span, resource, order, activity	RCPSP, psplib	cumulative		Z3			benchmark	energetic reasoning	78	639
BofillEGPSV14 [67]	16	order, scheduling, lazy clause generation, machine, task				Cplex, Gecode, MiniZinc			industrial stance	in-	124	685
BofillGSV15 [68]	9	machine, scheduling, order				Cplex			industrial stance	in-	104	665

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BogaerdtW19 [413]	16	scheduling, completion-time, order, setup-time, job, machine, job-shop, tardiness, precedence	single machine, parallel machine	noOverlap	C	OPL, Cplex	railway		benchmark		52	613
BonfiettiLBM11 [70]	15	scheduling, order, job, resource, make-span, activity, machine, precedence, task, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		generated instance, industrial instance, benchmark		155	716
BonfiettiLBM12 [71]	16	scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, job-shop	RCPSP	cumulative, cycle		Ilog Solver	hoist, robot		benchmark	time-tabling	145	706
BonfiettiLM13 [73]	5	make-span, job-shop, precedence, resource, activity, job, order, scheduling	RCPSP	cumulative, cycle		Cplex					134	695
BonfiettiLM14 [74]	16	make-span, machine, task, job-shop, precedence, open-shop, resource, activity, job, distributed, order, scheduling	RCPSP, psplib	cumulative					real-world, benchmark		125	686
BonfiettiM12 [75]	3	job, task, precedence, job-shop, resource, activity, scheduling, machine	RCPSP	cumulative			hoist		industrial instance		146	707
BonfiettiZLM16 [76]	17	resource, make-span, activity, precedence, scheduling, order	RCPSP	cumulative, cycle, disjunctive		OR-Tools	automotive	automotive industry, control system industry	generated instance, industrial instance, benchmark, real-world	instance, github, edge-finder, sweep	89	650
BoothNB16 [77]	17	distributed, resource, scheduling, task, machine, precedence, order, activity, re-scheduling		disjunctive, cumulative, noOverlap	C++	Cplex	robot, medical		real-world		90	651
BoudreaultSLQ22 [80]	16	lazy clause generation, order, activity, make-span, machine, scheduling, cmax, transportation, distributed, resource, preempt, precedence, task	RCPSP, psplib	disjunctive, cumulative		Chuffed, MiniZinc, OR-Tools, OPL	offshore	ship repair industry	benchmark, generated instance, supplementary material, gitlab, real-life, industrial partner, github, real-world	not-last, energetic reasoning, edge-finding, not-first	17	578
BridiLBBM16 [84]	2	resource, task, machine, distributed, make-span, order, job, activity, scheduling									91	652
BrusoniCLMMT96 [85]	10	resource, activity, precedence, task, distributed, due-date, job-shop, scheduling, order, job		disjunctive	Prolog		railway				272	833
BurtLPS15 [86]	17	task, machine, precedence, order, tardiness, job, job-shop, resource, scheduling, make-span, completion-time	parallel machine, single machine	cumulative, cycle		Cplex, Gurobi, Gecode, MiniZinc			real-world, benchmark, industry partner		105	666

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
CappartS17 [89]	16	machine, activity, job, precedence, re-scheduling, resource, job-shop, scheduling, task, order, completion-time	TMS	cumulative, noOverlap, alternative constraint, span constraint		OPL, OZ	railway		bitbucket, random instance, real-life		79	640
CarchraeBF05 [90]	1	scheduling, order, task, make-span									214	775
Caseau97 [91]	4	preempt, make-span, order, scheduling, job, resource, job-shop, task		cumulative			robot		benchmark	edge-finding	270	831
CauwelaertDMS16 [92]	16	batch process, task, job, job-shop, order, activity, make-span, machine, scheduling, completion-time, setup-time, resource, sequence dependent setup, preempt, precedence		cumulative, disjunctive	Java		container terminal		real-life, bit-bucket, benchmark	not-last, edge-finding, not-first	92	653
CestaOS98 [93]	1	resource, scheduling, job					robot				262	823
ChapadosJR11 [94]	6	activity, scheduling, order, task		cycle, cumulative		OPL		retail industry		time-tabling	156	717
ChuX05 [95]	15	scheduling, machine, resource, job, release-date, order, due-date, completion-time	single machine	disjunctive, cumulative		ECLiPSe					215	776
CireCH13 [96]	7	make-span, tardiness, scheduling, machine, job, resource, precedence, task, order		circuit, cumulative		OPL, Cplex, OZ					135	696
ClercqPBJ11 [97]	16	resource, order, activity, due-date, release-date, distributed, precedence, scheduling, completion-time		alldifferent, cumulative	Java	CHIP, Choco Solver			benchmark	time-tabling, sweep, energetic reasoning, edge-finding	157	718
CobanH10 [98]	5	distributed, tardiness, job, preempt, re-scheduling, make-span, order, scheduling		circuit, disjunctive		OPL, Cplex					169	730
ColT19 [99]	17	earliness, order, scheduling, precedence, make-span, machine, resource, job, job-shop	JSSP	noOverlap, disjunctive	Java	MiniZinc, CPO, OR-Tools			github, benchmark, real-world		53	614
Colombani96 [101]	15	job, scheduling, resource, order, task, preempt, activity, due-date, machine, precedence, release-date, job-shop		disjunctive		CHIP					273	834
DannaP03 [103]	5	machine, job, job-shop, activity, earliness, order, tardiness, scheduling, resource		disjunctive		Cplex, Ilog Solver, Ilog Scheduler			benchmark		241	802
Davenport10 [105]	5	resource, release-date, tardiness, scheduling, completion-time, order, earliness, due-date				Cplex	semiconductor				170	731
DavenportKRSH07 [106]	13	make to order, activity, machine, sequence dependent setup, preempt, precedence, resource, inventory, job-shop, order, scheduling, job, setup-time		disjunctive, bin-packing	C++	Cplex, CHIP		steel industry			198	759

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
DejemeppeCS15 [111]	16	completion-time, tardiness, job-shop, scheduling, sequence dependent setup, make-span, machine, release-date, task, precedence, setup-time, job, resource, order, preempt, activity	single machine	disjunctive, cumulative, cycle			container terminal		real-world, bitbucket, generated instance, benchmark	not-last, not-first, edge-finding	106	667
DejemeppeD14 [112]	9	make-span, precedence, job-shop, resource, activity, setup-time, scheduling, order, job		cumulative			medical, patient		bitbucket		126	687
DemirovicS18 [114]	18	scheduling, order, task, resource, activity, precedence		cumulative, disjunctive		MiniZinc, Gurobi, OZ			real-world, benchmark	time-tabling	68	629
DerrienP14 [116]	9	resource, scheduling, activity, order, make-span	psplib, CuSP	cumulative	Java	Choco Solver			random instance	sweep, edge-finding, energetic reasoning	127	688
DerrienPZ14 [117]	9	re-scheduling, make-span, scheduling, resource, order, job, activity, machine, precedence	RCPSP, CuSP	cumulative		Choco Solver, CHIP			benchmark, random instance, real-world	sweep	128	689
DilkinaDH05 [119]	5	machine, precedence, job-shop, make-span, job, scheduling, order				OPL					216	777
DoomsH08 [121]	16	scheduling, resource, completion-time, machine, job, job-shop, activity, task, order	RCPSP					services industry			189	750
DoulabiRP14 [122]	9	activity, scheduling, due-date, resource, task, order		bin-packing		Cplex	nurse, medical, patient				129	690
EdisO11 [124]	7	task, job, completion-time, activity, lateness, earliness, resource, make-span, scheduling, flow-time, preempt, tardiness, due-date, machine	parallel machine	bin-packing, noOverlap, cumulative		OPL, OZ, Cplex					158	719
EfthymiouY23 [125]	16	order, job, make-span, re-scheduling, task, job-shop, scheduling, machine, setup-time	CHSP, JSSP	cumulative, disjunctive, cycle	Python	OPL, OR-Tools	pipeline, hoist, electroplating, satellite		benchmark, random instance, generated instance, real-life, industrial instance		3	564
ElkhyariGJ02 [126]	6	resource, activity, precedence, scheduling, machine, due-date, preempt, make-span, re-scheduling, task	RCPSP	cumulative, disjunctive, table constraint							250	811
ElkhyariGJ02a [127]	24	activity, re-scheduling, order, due-date, scheduling, task, precedence, open-shop, resource	RCPSP, psplib	cumulative, disjunctive		OZ, OPL			benchmark, real-life	time-tabling	251	812
ErtlK91 [128]	12	setup-time, resource, scheduling, order, machine, task		cycle	Prolog		pipeline		real-world, benchmark		284	845
EvenSH15 [130]	18	preempt, transportation, order, scheduling, machine, distributed, resource, completion-time, task		disjunctive, cumulative		OPL, Choco Solver			real-life, real-world	sweep	107	668

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FocacciLN00 [139]	10	due-date, task, machine, preempt, job-shop, distributed, cmax, precedence, scheduling, make-span, sequence dependent setup, resource, open-shop, order, setup-time, job, activity		disjunctive					real-world	edge-finding	260	821
FontaineMH16 [140]	11	order, machine, job, task, completion-time, make-span, job-shop, resource, precedence, scheduling	parallel machine	disjunctive		MiniZinc, Gurobi, CHIP			benchmark		93	654
FortinZDF05 [141]	15	resource, order, task, activity, temporal constraint reasoning, precedence, make-span, scheduling	psplib								217	778
FrankK05 [142]	18	order, scheduling, job, resource, due-date, task, precedence		cycle			satellite, aircraft		benchmark		218	779
FrimodigS19 [144]	17	resource, order, task, machine, job-shop, job, scheduling		regular, ex-pression, cumulative, bin-packing	Python	Gecode, Cplex, MiniZinc, OZ	radiation therapy, medical, patient, nurse, physician		benchmark, real-world		54	615
FrohnerTR19 [145]	9	scheduling, order, distributed			Java, Python	MiniZinc, Gecode, Gurobi	nurse		benchmark, real-world		55	616
FrostD98 [146]	1	order, scheduling						power industry			263	824
GalleguillosKSB19 [147]	18	re-scheduling, machine, distributed, resource, order, activity, job, scheduling, make-span	JSSP	cumulative, alternative constraint	Python	OR-Tools, OZ	super-computer, datacenter				56	617
GarganiR07 [148]	13	order, machine, resource, inventory		bin-packing	C++	OPL	steel mill	steel industry	real-life, CSPlib		199	760
GayHLS15 [151]	9	precedence, task, order, make-span, resource, scheduling, activity	OSP, psplib, RCPSP	cumulative, disjunctive					benchmark, bitbucket	edge-finding, time-tabling	108	669
GayHS15 [152]	9	scheduling, precedence, resource, preempt, task, order		cumulative, table constraint, disjunctive		Choco Solver, OR-Tools, Gecode			bitbucket	time-tabling, sweep	109	670
GayHS15a [153]	16	manpower, task, order, preempt, resource, scheduling, machine	psplib, RCPSP	cumulative, disjunctive	Java				benchmark, bitbucket, real-world	time-tabling, not-first, not-last, energetic reasoning, edge-finding, sweep	110	671
GaySS14 [154]	15	machine, job, completion-time, activity, order, setup-time, make-span, scheduling, precedence, manpower, continuous-process, resource, job-shop		cycle, cumulative, disjunctive			steel mill		real-life, CSPlib		131	692

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GeibingerKKMMW21 [156]	10	distributed, scheduling				MiniZinc, OR-Tools, Gurobi, Cplex, Gecode	nurse, physician, COVID, medical, patient	pharmaceutical industry	real-world		34	595
GeibingerMM19 [158]	16	precedence, release-date, resource, activity, re-scheduling, job, order, due-date, completion-time, scheduling, make-span, task	RCPSP	alternative constraint, noOverlap, cumulative, endBeforeStart	Java	CPO, Cplex, Gecode, MiniZinc	automotive		real-life, generated instance, industrial partner, real-world, benchmark	time-tabling	57	618
GeibingerMM21 [159]	9	lazy clause generation, precedence, release-date, resource, activity, job, order, due-date, completion-time, tardiness, scheduling, machine, task	RCPSP	disjunctive, cumulative		CPO, Chuffed, Cplex	nurse		real-life, github, generated instance, real-world, benchmark	time-tabling	35	596
GeitzGSSW22 [160]	18	make-span, order, setup-time, job, scheduling, completion-time, sequence dependent setup, resource, task, machine, preempt, producer/consumer, lateness, lazy clause generation, precedence, job-shop, batch process, transportation	single machine, RCPSP, JSSP	cumulative		OZ, OPL	robot		real-life, github, real-world	not-last, sweep	18	579
GelainPRVW17 [161]	16	resource, scheduling, order							CSPLib, real-life, benchmark		80	641
Geske05 [162]	18	machine, task, re-scheduling, job, activity, order, distributed, resource, scheduling, lateness, job-shop		cumulative	Prolog	CHIP, SIC-Stus	railway		real-life		219	780
GilesH16 [163]	16	inventory, setup-time, activity, task, transportation, order, scheduling, resource		cumulative, disjunctive		Cplex	pipeline	petro-chemical industry, chemical processing industry, chemical industry			94	655
GingrasQ16 [164]	7	resource, scheduling, task, order, make-span, completion-time, precedence	psplib, CuSP, RCPSP	disjunctive, cumulative		Choco Solver			benchmark	sweep, edge-finder, edge-finding, energetic reasoning	95	656
GodardLN05 [165]	9	activity, completion-time, earliness, job, job-shop, machine, make-span, order, precedence, resource, scheduling, tardiness	JSSP	cumulative, disjunctive, table constraint		Ilog Scheduler, Ilog Solver, OZ			benchmark		220	781
GodetLHS20 [167]	8	lazy clause generation, setup-time, release-date, scheduling, task, order, machine, make-span, cmax, completion-time, resource, job	parallel machine, PMSP, single machine	alldifferent, bin-packing, cumulative, disjunctive		OZ, Choco Solver, CHIP, Chuffed	satellite		github, real-life, benchmark, generated instance	not-last, time-tabling	42	603

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
GoldwaserS17 [170]	16	scheduling, machine, transportation, due-date, order, lazy clause generation, resource		cumulative, disjunctive	Python	Gurobi, Gecode	torpedo	steel industry	instance generator, github, generated instance		81	642
Goltz95 [171]	14	due-date, machine, task, job, completion-time, order, resource, scheduling, precedence, job-shop		cumulative, disjunctive	Prolog	CHIP			benchmark	edge-finding	275	836
GomesHS06 [172]	2	scheduling, distributed, task, multi-agent, order				Ilog Solver			real-life		207	768
GrimesH10 [173]	15	cmax, machine, job, setup-time, job-shop, flow-shop, sequence dependent setup, open-shop, task, batch process, resource, scheduling, make-span, precedence, order	Open Shop Scheduling Problem	disjunctive, cumulative, cycle		OZ		steel industry	benchmark	time-tabling, edge-finding	171	732
GrimesH11 [174]	17	cmax, completion-time, machine, tardiness, job, release-date, earliness, lazy clause generation, job-shop, flow-shop, open-shop, task, due-date, resource, scheduling, make-span, precedence, order	RCPSP	disjunctive, cumulative		Cplex, Ilog Scheduler, Ilog Solver, OZ, OPL			benchmark	edge-finding	159	720
GrimesHM09 [175]	9	make-span, resource, job, precedence, open-shop, scheduling, task, order, job-shop, machine	Open Shop Scheduling Problem, OSP	disjunctive	Java	Choco Solver, Ilog Scheduler, Mistral			benchmark	not-last, edge-finding	179	740
GroleazNS20 [178]	17	tardiness, precedence, release-date, job-shop, setup-time, job, scheduling, resource, order, machine, inventory, preempt, due-date	GCSP	noOverlap, cycle, cumulative, circuit		CPO, OR-Tools		food industry	benchmark, industrial instance		43	604
GroleazNS20a [177]	9	scheduling, machine, inventory, transportation, due-date, distributed, order, tardiness, job, release-date, precedence, resource, setup-time, preempt	parallel machine, RCPSP	cycle, noOverlap, cumulative		Cplex, CPO		food industry	industrial partner, benchmark		44	605
GruianK98 [179]	8	task, resource, scheduling, order, activity, re-scheduling		cumulative, cycle, diffn, circuit		OPL, CHIP	pipeline, aircraft		benchmark		264	825
GuSS13 [180]	7	lazy clause generation, activity, order, distributed, scheduling, precedence, make-span, machine, resource	single machine	cumulative					benchmark	edge-finding, edge-finder, time-tabling	136	697
HanenKP21 [185]	17	job-shop, resource, scheduling, make-span, completion-time, task, machine, precedence, order, cmax, tardiness, job, lateness, preempt, release-date, due-date	RCPSP, CuSP, parallel machine	cumulative	Python	Claire	pipeline		Roadef, generated instance, random instance	energetic reasoning	36	597
He0GLW18 [188]	18	distributed, machine, precedence, re-scheduling, transportation, multi-agent, order, scheduling			Python	Gurobi	real-time pricing, energy-price		real-world, bit-bucket		69	630
HebrardTW05 [189]	1	order, job, machine, job-shop, scheduling									221	782

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
HechingH16 [190]	11	re-scheduling, job, task, order, scheduling, manpower		circuit, noOverlap		OPL, Cplex, OZ	patient, medical		real-world		96	657
HeinzB12 [191]	17	activity, precedence, release-date, due-date, earliness, order, tardiness, scheduling, resource, completion-time, machine, job	single machine	cycle, cumulative, alternative constraint		Cplex, Ilog Solver, Ilog Scheduler, OPL					147	708
HeinzKB13 [192]	16	release-date, job-shop, resource, scheduling, order, machine, tardiness, job	single machine	cumulative		OPL, Cplex					137	698
HeinzS11 [194]	10	preempt, order, scheduling, resource, completion-time, machine, job	psplib, RCPSP	disjunctive, cumulative		Cplex			benchmark	energetic reasoning, time-tabling	160	721
HentenryckM04 [199]	16	open-shop, resource, order, activity, job, due-date, completion-time, tardiness, scheduling, make-span, machine, task, job-shop, precedence		disjunctive, cycle, cumulative					benchmark		230	791
HentenryckM08 [200]	5	order		bin-packing			steel mill		CSPLib		190	751
HermenierDL11 [201]	15	precedence, distributed, resource, order, scheduling, completion-time, producer/consumer, machine, task		bin-packing, disjunctive, alldifferent, cumulative, cycle, table constraint		OZ, Choco Solver	datacenter				161	722
HillTV21 [202]	19	scheduling, machine, job, resource, activity, flow-shop, release-date, task, precedence, order, preempt, lazy clause generation, make-span	RCPSP, psplib, single machine	cycle, cumulative, alternative constraint					real-world		37	598
HoYCLLC18 [203]	6	resource, task, machine, distributed, re-scheduling, order, job, scheduling			C		nurse, medical, patient		real-world		70	631
HoeveGSL07 [415]	6	re-scheduling, job, precedence, distributed, resource, task, job-shop, multi-agent, scheduling, machine, order		disjunctive		Ilog Scheduler, Cplex			benchmark	edge-finding	200	761
Hooker04 [204]	12	machine, task, precedence, release-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		231	792
Hooker05a [206]	14	release-date, due-date, resource, scheduling, make-span, task, precedence, order, machine, tardiness, job		circuit, cumulative, disjunctive		OPL, Cplex, Ilog Scheduler					222	783
Hooker17 [208]	14	job, due-date, order, tardiness, scheduling, resource		circuit		OZ			benchmark, random instance		82	643
HookerY02 [209]	5	resource, scheduling, order, machine, job	RCPSP	disjunctive, cumulative							252	813
HoundjiSWD14 [210]	16	precedence, resource, scheduling, machine, inventory, transportation, due-date, order	single machine	circuit					bitbucket, generated instance		132	693
IfrimOS12 [212]	16	task, order, machine, job, re-scheduling, distributed, due-date, resource, scheduling		disjunctive			datacenter, energy-price		real-life		148	709

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
JelinekB16 [214]	10	scheduling, task, order, completion-time		table constraint, cumulative circuit	Prolog	OZ, SICS-tus, OPL MiniZinc			real-life		97	658
JungblutK22 [216]	4	distributed, machine, make-span, scheduling, resource, order, task, preempt							benchmark, github, real-world		19	580
JuvinHHL23 [217]	16	cmax, resource, job, setup-time, scheduling, task, order, job-shop, due-date, machine, preempt, make-span, flow-shop, completion-time, precedence	JSSP, parallel machine	endBeforeStart, disjunctive, alldifferent, cumulative, noOverlap	C++	CPO, Mistral			supplementary material, github, benchmark	not-last, edge-finding, not-first	4	565
JuvinHL23 [218]	16	make-span, completion-time, task, precedence, order, cmax, machine, tardiness, job, setup-time, job-shop, flow-shop, scheduling		noOverlap, end-BeforeStart		Cplex, CPO			real-world		5	566
KamarainenS02 [219]	17	machine, job-shop, resource, precedence, transportation, earliness, activity, job, order, preempt, scheduling	KRFP			ECLiPSe			real-world, benchmark		253	814
KameugneFGOQ18 [221]	17	resource, task, cmax, precedence, make-span, scheduling, order, completion-time	RCPSP, CuSP	cumulative, disjunctive	Java	CHIP, Choco Solver			benchmark, real-world	time-tabling, not-first, sweep, not-last, energetic reasoning	71	632
KameugneFND23 [222]	17	machine, resource, precedence, cmax, order, preempt, scheduling, make-span, completion-time, task, lazy clause generation	psplib, CuSP, RCPSP	disjunctive, cumulative	Java	CHIP, Choco Solver			benchmark	sweep, energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling	6	567
KameugneFSN11 [223]	15	job-shop, release-date, resource, precedence, job, order, preempt, scheduling, make-span, completion-time, task	RCPSP, psplib, CuSP	disjunctive, cumulative		Gecode			benchmark	edge-finding, not-last, not-first, time-tabling	162	723
KelarevaTK13 [226]	17	order, tardiness, make-span, re-scheduling, task, resource, lazy clause generation, activity, precedence, scheduling, inventory, transportation, setup-time	Liner Shipping Fleet Repositioning Problem, BPCTOP, LSFRP, Bulk Port Cargo Throughput Optimization Problem	alldifferent		Cplex, MiniZinc, OZ	earth observation, satellite		real-world		138	699

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KeriK07 [228]	14	due-date, tardiness, temporal constraint reasoning, job, activity, order, earliness, make-span, scheduling, precedence, cmax, resource, job-shop	RCPSP	cycle	C++					edge-finding	201	762
KhemmoudjPB06 [230]	13	resource, stock level, distributed, order, scheduling		cycle, cumulative	C++	CHIP			real-world		208	769
KimCMLLP23 [231]	16	make-span, job, precedence, open-shop, distributed, tardiness, setup-time, earliness, job-shop, due-date, scheduling, order, transportation, machine	parallel machine, SCC	noOverlap	Python	Gurobi, OR-Tools		steel industry	real-world, benchmark, zenodo		7	568
KlankeBYE21 [232]	16	re-scheduling, make-span, order, job, activity, scheduling, completion-time, due-date, resource, task, machine, producer/consumer, job-shop, batch process		noOverlap, disjunctive, cumulative, circuit	Python	Gurobi, Cplex, CHIP, OR-Tools		food-processing industry	benchmark, random instance, real-life		38	599
KletzanderM17 [233]	15	scheduling, machine, resource, transportation, order	parallel machine			OZ	torpedo	steel industry			83	644
KorbaaYG99 [235]	8	job, resource, task, job-shop, scheduling, machine, flow-shop, order, transportation, make-span		cycle, circuit	Prolog	CHIP, Ilog Solver, OZ	robot, hoist				261	822
KoschB14 [237]	16	resource, completion-time, batch process, lateness, job-shop, release-date, due-date, multi-agent, order, cmax, make-span, scheduling, machine, distributed, job	single machine, RCPSP	cumulative, bin-packing, disjunctive	Java	Choco Solver, Cplex, OZ	semiconductor		benchmark		133	694
KovacsEKV05 [240]	1	scheduling, resource, setup-time, job, job-shop, precedence							real-life		223	784
KovacsTKSG21 [244]	17	resource, precedence, job-shop, due-date, preempt, scheduling, order, machine, tardiness, flow-shop, job, inventory, re-scheduling, task, distributed, release-date	RCPSP, single machine	cumulative		Gurobi, OR-Tools, Cplex			github, supplementary material, real-world, benchmark		39	600
KovacsV04 [242]	15	job, job-shop, resource, scheduling, make-span, task, machine, precedence, order	single machine	disjunctive, cumulative		Ilog Scheduler			industrial partner, benchmark, real-life	edge-finding	232	793
KovacsV06 [243]	13	tardiness, job, setup-time, earliness, job-shop, resource, scheduling, make-span, task, machine, precedence, order	RCPSP, single machine	cumulative		Ilog Scheduler	automotive		industrial partner, benchmark, generated instance		209	770
KreterSS15 [245]	17	scheduling, task, order, machine, preempt, activity, make-span, completion-time, resource, lazy clause generation	RCPSP, parallel machine	cumulative, diffn		Cplex, MiniZinc, CHIP, Chuffed			benchmark		111	672
KrogtLPHJ07 [414]	13	resource, order, job, inventory, activity, due-date, machine, job-shop, precedence, scheduling		circuit	Prolog	OPL	semiconductor aircraft		real-world		202	763

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KucukY19 [249]	5	order, scheduling, distributed, resource, setup-time, sequence dependent setup, task		disjunctive, cycle, noOverlap		Cplex	satellite, earth observation		benchmark, generated instance	time-tabling	58	619
Kumar03 [248]	15	activity, order, scheduling, producer/consumer, resource		cycle						bi-partite matching, max-flow	242	803
Laborie09 [250]	15	task, precedence, order, machine, tardiness, job, activity, setup-time, release-date, inventory, earliness, sequence dependent setup, due-date, preempt, job-shop, resource, scheduling		noOverlap, endBeforeStart, alternative constraint, cumulative, disjunctive	C	OPL, CPO, OZ	aircraft, satellite		real-world, benchmark		180	741
Laborie18a [251]	9	resource, job, release-date, scheduling, task, due-date, machine, precedence		cumulative, alternative constraint		Ilog Scheduler, CPO, OPL			real-life, benchmark, real-world	energetic reasoning	72	633
LacknerMMWW21 [253]	18	release-date, flow-shop, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, earliness	parallel machine, OSP, single machine	noOverlap, cumulative, end-BeforeStart		Chuffed, Cplex, OPL, CPO, OZ, OR-Tools, MiniZinc, Gurobi	semiconductor oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material		40	601
LahimerLH11 [255]	14	resource, task, machine, preempt, cmax, precedence, make-span, order, job, scheduling, completion-time	parallel machine, RCPSP	disjunctive	C++	Ilog Scheduler			benchmark	energetic reasoning	163	724
LauLN08 [257]	5	order, distributed, inventory, resource, scheduling, flow-shop, transportation, job-shop, machine, job							benchmark, real-world		191	752
LetortBC12 [259]	16	order, machine, make-span, precedence, resource, scheduling, task	psplib	cumulative, geost, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus	datacenter		Roadef, benchmark, random instance	sweep, edge-finding	149	710
LetortCB13 [260]	16	machine, make-span, precedence, resource, scheduling, task, order	psplib, RCPSP	cumulative, disjunctive, bin-packing	Java, Prolog	Choco Solver, SICStus			Roadef, benchmark, random instance	energetic reasoning, sweep, edge-finding	139	700
LiFJZLL22 [262]	6	task, machine, tardiness, job, buffer-capacity, flow-time, setup-time, distributed, job-shop, batch process, transportation, flow-shop, scheduling, make-span, order, completion-time	single machine			OZ, OPL	robot		benchmark		20	581
LimBTBB15 [266]	15	job-shop, scheduling, multi-agent, order, machine, tardiness, job, re-scheduling, earliness				OPL	HVAC		benchmark	time-tabling	112	673
LimHTB16 [265]	18	machine, activity, re-scheduling, multi-agent, order, scheduling, distributed		cumulative		OPL	real-time pricing, HVAC, energy-price		real-world		98	659

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LimRX04 [264]	5	scheduling, preempt, machine, job, completion-time, order, transportation				OZ	container terminal		generated instance		233	794
Limtanyakul07 [267]	6	make-span, task, machine, release-date, resource, precedence, job, order, scheduling, due-date		cumulative		OPL	robot		real-life	energetic reasoning	203	764
LiuCGM17 [270]	17	transportation, order, cmax, scheduling, machine, task, activity			Python	OR-Tools, OPL, MiniZinc		tourism industry	github		84	645
LiuJ06 [271]	5	make-span, task, order, scheduling, resource		cycle, disjunctive							210	771
LiuLH19 [269]	9	order, resource, scheduling				Choco Solver, OZ			CSPlib, benchmark	time-tabling	59	620
LombardiBM15 [272]	16	completion-time, job-shop, resource, activity, precedence, scheduling, machine, distributed, order, job, make-span, task	JSSP, RCPSP, psplib						benchmark, real-world		113	674
LombardiBMB11 [273]	17	resource, order, activity, completion-time, scheduling, make-span, machine, task, precedence	RCPSP	cycle, cumulative	C++		hoist		benchmark, industrial instance, real-life		164	725
LombardiM09 [274]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task, preempt	RCPSP			Ilog Solver			real-world, instance generator		181	742
LombardiM10 [276]	15	precedence, completion-time, make-span, order, activity, scheduling, resource, task	RCPSP	disjunctive, cumulative		Ilog Solver			real-world, benchmark		172	733
LombardiM13 [279]	2	precedence, make-span, order, activity, scheduling, resource, task	RCPSP, psplib								140	701
LuoB22 [285]	17	order, scheduling, resource, re-scheduling, machine, batch process, job, job-shop		diffn, bin-packing, alwaysIn, cumulative	Python	CHIP, Cplex	super-computer, railway, rectangle-packing		generated instance, github, real-life, real-world, industry partner, industrial instance		21	582
Madi-WambaB16 [286]	16	precedence, job, order, scheduling, task, resource		cumulative	Java	Choco Solver, CHIP			real-world, benchmark, random instance, generated instance		99	660
Madi-WambaLOBM17 [287]	8	machine, task, activity, re-scheduling, job, precedence, distributed, scheduling, order, resource		bin-packing, cumulative	Prolog	SICStus	datacenter		real-world	sweep	85	646
MakMS10 [288]	5	scheduling, due-date, order, machine, inventory, task, job, activity, transportation, precedence, resource		cycle							173	734

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MalapertN19 [289]	17	make-span, scheduling, completion-time, sequence dependent setup, resource, order, setup-time, job, flow-time, task, machine, cmax	parallel machine, PMSP, PTC, single machine	noOverlap, alwaysIn, cumulative, alternative constraint		Cplex, CPO	semiconductor		generated instance, benchmark, industrial instance, Roadeff		60	621
MaraveliasG04 [292]	20					OZ					234	795
Mehdizadeh-Somarin23 [295]	14	multi-agent, job-shop, completion-time, re-scheduling, tardiness, machine, scheduling, cmax, flow-shop, job, task, setup-time, precedence, order, make-span, preempt	parallel machine, JSSP, single machine		Python	Cplex, OZ	robot, COVID		random instance		8	569
MelgarejoLS15 [7]	17	tardiness, scheduling, machine, task, precedence, transportation, setup-time, resource, order, job	single machine	circuit, disjunctive, alldifferent, noOverlap, table constraint		OZ, Cplex			real-world, benchmark		114	675
Mercier-AubinGQ20 [298]	13	job, preempt, task, make-span, sequence dependent setup, setup-time, tardiness, precedence, resource, earliness, completion-time, machine, lazy clause generation, activity, job-shop, due-date, scheduling, order	RCPSP	cycle, circuit, cumulative, disjunctive	C++, Python	OPL, MiniZinc		textile industry, manufacturing industry	industrial instance, industrial partner		45	606
MoffittPP05 [299]	6	scheduling, resource, order, activity, machine, cmax, make-span	Temporal Constraint Satisfaction Problem	cycle, disjunctive							224	785
MonetteDD07 [301]	14	precedence, job-shop, make-span, job, scheduling, completion-time, resource, open-shop, order, preempt, no preempt, task, machine	Open Shop Scheduling Problem, OSP	disjunctive		Gecode			benchmark	not-last, not-first, edge-finding	204	765
MonetteDH09 [302]	8	precedence, release-date, job-shop, tardiness, make-span, job, scheduling, completion-time, resource, order, preempt, activity, earliness, distributed, due-date, task, machine		cycle, disjunctive, cumulative					benchmark	not-last	182	743
MossigeGSMC17 [305]	18	activity, job, distributed, order, completion-time, preempt, scheduling, make-span, machine, task, job-shop, resource, precedence	FJS, single machine, RCPSP	cumulative, cycle, disjunctive	Prolog	SICStus, CHIP	rectangle-packing, robot		industrial partner, real-world, benchmark, random instance, CSPlib, generated instance		86	647
MouraSCL08 [307]	16	scheduling, preempt, activity, order, transportation, inventory, precedence, distributed, resource		table constraint, disjunctive, cycle	C++	Ilog Solver, OZ, Ilog Scheduler	pipeline			max-flow	192	753
MouraSCL08a [306]	8	transportation, re-scheduling, order, scheduling, due-date, resource, inventory, distributed		disjunctive, cumulative	C++	Ilog Solver, Ilog Scheduler	pipeline		real-world, benchmark		193	754

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MurinR19 [309]	16	job-shop, task, make-span, transportation, order, resource, scheduling, machine, setup-time, job, activity, completion-time, precedence	JSPT	noOverlap, alternative constraint, endBeforeStart		Cplex, OPL	patient, robot		real-life, benchmark, github		61	622
MurphyMB15 [310]	17	scheduling, task, order, machine, activity, re-scheduling, resource		cycle, circuit, cumulative, disjunctive cycle	Java	Choco Solver			real-world		115	676
Muscettola02 [311]	16	job-shop, resource, activity, precedence, scheduling, order, job, cmax								edge-finding, max-flow	254	815
NattafM20 [315]	16	setup-time, resource, scheduling, make-span, order, completion-time, machine, job, flow-time	single machine, PMSP, parallel machine, PTC	cumulative, noOverlap		CPO, Cplex	semiconductor		benchmark, industrial instance		46	607
NishikawaSTT18 [317]	6	make-span, order, resource, activity, task, distributed, precedence, scheduling		alternative constraint, endBeforeStart		Cplex, OZ	pipeline, robot		real-world, benchmark		73	634
NishikawaSTT18a [318]	6	task, order, activity, make-span, scheduling, distributed, resource, precedence, re-scheduling		endBeforeStart, alternative constraint		OZ, Cplex	robot, nurse, pipeline		real-world, benchmark, real-life		74	635
NuijtenA94 [325]	5	precedence, resource, job-shop, scheduling, preempt, order, completion-time, machine, make-span, job	JSSP	disjunctive	C++	Ilog Solver, CPO				time-tabling	281	842
OddiPCC03 [327]	15	preempt, distributed, resource, scheduling, precedence, order, completion-time, task, machine, activity	single machine	cycle	Java		satellite, earth observation		benchmark		243	804
OuelletQ13 [328]	16	scheduling, task, order, preempt, make-span, completion-time, precedence, resource	CuSP, RCPSP, psplib	cumulative, disjunctive		Choco Solver			benchmark	edge-finding, not-first, edge-finder, energetic reasoning, not-last, time-tabling, sweep	141	702
OuelletQ18 [329]	18	scheduling, task, order, make-span, completion-time, precedence, resource	RCPSP, psplib	cumulative, disjunctive	Java	OZ, Choco Solver			benchmark, Roadeff	edge-finding, not-first, energetic reasoning, not-last, time-tabling	75	636

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
OuelletQ22 [330]	17	scheduling, task, order, preempt, activity, completion-time, resource, lazy clause generation		cumulative, dis-junctive	Java	MiniZinc, Choco Solver	nurse		github, benchmark, random instance	edge-finding, not-first, energetic reasoning, not-last, time-tabling, sweep	22	583
OujanaAYB22 [331]	6	distributed, due-date, tardiness, make to order, precedence, flow-shop, job-shop, batch process, buffer-capacity, make-span, setup-time, job, scheduling, completion-time, sequence dependent setup, resource, open-shop, order, task, machine, preempt	PMSP, parallel machine, FJS, HFF	span constraint, noOverlap, dis-junctive		CPO, OPL	COVID, robot	food industry, steel industry	benchmark, industrial instance, real-world, real-life		23	584
ParkUJR19 [336]	8	task, machine, flow-time, order, cmax, tardiness, job, lateness, preempt, no preempt, distributed, due-date, job-shop, flow-shop, resource, scheduling, make-span, open-shop, completion-time	parallel machine, single machine	endBeforeStart, cycle, noOverlap					real-world		62	623
PembertonG98 [337]	14	job-shop, resource, activity, preempt, scheduling, machine, order, job, task		geost, cycle		Ilog Solver, OPL	satellite, robot				265	826
PerezGSL23 [338]	7	resource, inventory, scheduling, task, order, machine, activity, make-span, completion-time, transportation, re-scheduling		table constraint, cumulative		OPL	nurse, steel mill, container terminal		real-world, generated instance		9	570
PesantRR15 [340]	16	activity, transportation, lazy clause generation, scheduling, order		cumulative, table constraint		Gurobi, Gecode, Ilog Solver					116	677
PoderB08 [342]	8	resource, producer/consumer, release-date, task, activity, preempt, due-date, order, scheduling		cumulative		CHIP				sweep	194	755
PopovicCGNC22 [346]	15	order, completion-time, scheduling, make-span, machine, task, resource, transportation, activity	TMS	cumulative, alwaysIn, noOverlap	C++, Prolog	Cplex, SICStus, CHIP, OZ	pipeline	electricity industry			24	585
PovedaAA23 [348]	21	make-span, resource, job, precedence, lazy clause generation, release-date, task, job-shop, scheduling, preempt, activity, order	RCPSP	cumulative, dis-junctive	Python	Chuffed, Cplex, MiniZinc, CPO	automotive, aircraft		real-world, github, benchmark, industrial instance, real-life		10	571
Pralet17 [349]	19	setup-time, job, activity, precedence, job-shop, due-date, order, sequence dependent setup, make-span, resource, scheduling, machine	RCPSP, psplib, JSSP	cycle, cumulative, disjunctive		CPO, Cplex, CHIP	satellite		benchmark		87	648

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PraletLJ15 [350]	16	order, job-shop, activity, make-span, precedence, resource, job, due-date, scheduling, tardiness, task	JSSP	alternative constraint, noOverlap, cycle		CPO, Cplex	earth observation, satellite				117	678
Puget95 [352]	4	resource, job-shop, task, job, activity, order, scheduling, transportation, manpower		disjunctive		OPL			benchmark		276	837
QuSN06 [355]	4	task, scheduling, distributed, resource, precedence		circuit	Prolog	SICStus					211	772
QuirogaZH05 [356]	6	release-date, tardiness, precedence, flow-shop, scheduling, completion-time, make-span, resource, order, inventory, activity, earliness, due-date, flow-time, task, machine				Ilog Solver, OPL, OZ, Ilog Scheduler, ECLiPSe	robot				225	786
RendlPHPR12 [357]	17	re-scheduling, job, scheduling, order, machine, transportation			Java	OZ	medical, patient, nurse		real-world, CSplib, benchmark		150	711
RiahiNS018 [358]	9	flow-shop, completion-time, job, scheduling, distributed, tardiness, setup-time, order, buffer-capacity, machine, make-span, sequence dependent setup							real-world, real-life, benchmark		76	637
RodosekW98 [359]	15	task, order, transportation, machine, activity, make-span, job, resource, scheduling		circuit, disjunctive, cycle	Prolog	OPL, CHIP, ECLiPSe, Cplex	hoist, electroplating		benchmark		266	827
RossiTHP07 [360]	15	resource, inventory, scheduling, distributed, stock level, order		cumulative, cycle		OPL, Choco Solver					205	766
Sadykov04 [363]	7	release-date, due-date, preempt, scheduling, completion-time, task, precedence, machine, job, lateness	parallel machine, single machine	disjunctive						edge-finding	235	796
SchuttCSW12 [368]	17	scheduling, resource, order, preempt, activity, lazy clause generation, precedence, make-span		cumulative		CHIP			benchmark		151	712
SchuttFS13 [370]	17	resource, job, lazy clause generation, scheduling, task, order, job-shop, machine, activity, make-span, completion-time, precedence	RCPSP, FJS	disjunctive, span constraint, alternative constraint, cumulative		MiniZinc			benchmark	time-tabling, energetic reasoning	142	703
SchuttFS13a [369]	17	make-span, scheduling, completion-time, resource, order, task, machine, preempt, activity, lazy clause generation, precedence	RCPSP, psplib	disjunctive, cumulative, circuit		CHIP, OZ			benchmark	not-last, edge-finding, energetic reasoning	143	704
SchuttFSW09 [371]	16	scheduling, resource, open-shop, order, task, machine, preempt, activity, lazy clause generation, precedence, make-span, job	psplib	disjunctive, cumulative		ECLiPSe, CHIP, SICStus, OZ			benchmark, real-world	edge-finder	183	744

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SchuttS16 [373]	17	machine, producer/consumer, precedence, order, inventory, lazy clause generation, activity, preempt, manpower, resource, scheduling, make-span	RCPSP	cumulative		Chuffed, MiniZinc, Ilog Scheduler, OPL			benchmark		100	661
SchuttW10 [374]	15	task, order, lazy clause generation, activity, preempt, release-date, due-date, resource, scheduling, make-span	psplib, CuSP, RCPSP	disjunctive, cumulative	Java	CHIP	rectangle-packing		benchmark	edge-finding, not-last, not-first	174	735
SerraNM12 [375]	17	preempt, resource, scheduling, precedence, order, machine, activity, release-date, inventory		alwaysIn, cumulative, cycle		OPL, Cplex			benchmark, real-world		152	713
SialaAH15 [380]	10	make-span, open-shop, task, machine, precedence, order, cmax, tardiness, job, setup-time, earliness, lazy clause generation, job-shop, resource, scheduling	RCPSP, JSSP	disjunctive, cumulative		Mistral			github, benchmark	edge-finding	118	679
SimoninAHL12 [381]	15	resource, activity, precedence, preempt, scheduling, order, task		disjunctive, span constraint, cumulative, cycle		CHIP	satellite			sweep	153	714
Simonis95 [383]	4	transportation, resource, scheduling, task, machine, producer/consumer, precedence, order		cumulative, cycle, diffn, circuit	Prolog	CHIP	aircraft	food industry			277	838
SimonisC95 [385]	14	manpower, flow-shop, task, order, transportation, machine, inventory, job, batch process, producer/consumer, stock level, resource, continuous-process, job-shop, due-date, scheduling		diffn, cumulative	Prolog	OZ, CHIP	aircraft, pipeline	food industry	real-life		278	839
SquillaciPR23 [387]	17	resource, activity, multi-agent, distributed, order, scheduling, task	OSP, Earth Observation Scheduling Problem, EOSP	noOverlap	Python	Cplex	earth orbit, earth observation, satellite		github, benchmark		11	572
SunLYL10 [390]	6	task, order, scheduling, distributed		cycle		Cplex, OPL	automotive				175	736
SvancaraB22 [392]	8	multi-agent, batch process, make-span, order, activity, scheduling, resource, task		alternative constraint, noOverlap			railway		benchmark, real-world	time-tabling	25	586
SzerediS16 [393]	10	task, order, machine, preempt, activity, make-span, resource, precedence, lazy clause generation, scheduling	RCPSP, psplib	cumulative		Cplex, MiniZinc, Chuffed, Gecode			benchmark		101	662
TangB20 [394]	16	batch process, machine, job, flow-shop, precedence, resource, make-span, scheduling, tardiness, due-date, order	2BPHFSP, single machine	span constraint, bin-packing, alwaysIn, endBeforeStart, cycle	Java	Cplex, CPO	semiconductor	manufacturing industry	real-world		47	608

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
TardivoDFMP23 [396]	18	activity, order, preempt, scheduling, make-span, lazy clause generation, task, resource, precedence	RCPSP, psplib, CuSP	disjunctive, cumulative	C++	CHIP, Gecode, MiniZinc			bitbucket, github, benchmark, real-world	energetic reasoning, not-last, not-first, edge-finding, time-tabling, sweep	12	573
TasselGS23 [397]	9	scheduling, preempt, flow-time, flow-shop, task, order, completion-time, machine, make-span, re-scheduling, job, precedence, tardiness, resource, job-shop	JSSP	cumulative, noOverlap, disjunctive	Java	Choco Solver			industrial instance, real-world, supplementary material, github, benchmark		13	574
Teppan22 [400]	8	job-shop, task, make-span, order, cmax, preempt, distributed, resource, completion-time, scheduling, machine, setup-time, job, flow-shop	parallel machine, PTC, FJS, JSSP	noOverlap, end-BeforeStart	Java	OR-Tools, OPL			real-life, benchmark		26	587
Tesch16 [401]	27	scheduling, order, job, completion-time, precedence, resource, make-span	CuSP, psplib, RCPSP	cumulative, disjunctive	C++	OPL			Roadef	sweep, edge-finding, energetic reasoning, not-last, time-tabling, not-first	102	663
Tesch18 [402]	17	scheduling, preempt, due-date, order, machine, task, job, completion-time, precedence, lateness, release-date, resource, make-span	CuSP, psplib, single machine, RCPSP	cumulative					Roadef	sweep, edge-finding, energetic reasoning, not-last, time-tabling	77	638
ThiruvadyBME09 [403]	15	tardiness, open-shop, machine, due-date, job, make-span, scheduling, order, resource, setup-time	single machine	cumulative	C++	Gecode					184	745
Tom19 [405]	6	job-shop, job, re-scheduling, task, tardiness, activity, resource, make-span, scheduling, machine, transportation	single machine		Java	OZ, OPL			real-world		63	624
TouatBT22 [407]	8	tardiness, job, activity, preempt, release-date, no preempt, earliness, distributed, due-date, job-shop, flow-shop, resource, scheduling, make-span, completion-time, task, machine, precedence, order	RCPSP, single machine	noOverlap		OZ, Cplex, OPL	robot, container terminal, satellite		benchmark, generated instance	time-tabling	27	588
Touraivane95 [408]	3	scheduling, order, task			Prolog		crew-scheduling		real-life		279	840

Table 3: Automatically Extracted PAPER Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ValleMGT03 [411]	8	machine, order, transportation, make-span, resource, job, precedence, task, job-shop, scheduling	Open Shop Scheduling Problem	disjunctive, cycle		Ilog Solver	robot		real-life	edge-finder	244	805
VanczaM01 [416]	15	resource, scheduling, precedence, task, machine, order				OZ	robot		real-life, real-world		257	818
VerfaillieL01 [417]	15	job, open-shop, order, scheduling, task, job-shop				Cplex, OPL	earth observation, satellite				258	819
Vilim02 [418]	1	scheduling, precedence, sequence dependent setup, batch process, activity, setup-time, resource								edge-finding	255	816
Vilim03 [419]	1	scheduling, job, open-shop, order, job-shop		cumulative, disjunctive					benchmark	not-last, edge-finding	245	806
Vilim04 [420]	13	scheduling, precedence, sequence dependent setup, batch process, machine, task, job, completion-time, activity, order, setup-time, resource, job-shop								sweep, not-last, edge-finding	236	797
Vilim05 [421]	14	scheduling, precedence, preempt, machine, task, job, open-shop, completion-time, activity, order, resource, make-span, job-shop				C++				not-last	226	787
Vilim09 [422]	15	scheduling, precedence, preempt, job, completion-time, activity, order, resource, job-shop				CPO				energetic reasoning, not-last, edge-finding, not-first	185	746
Vilim09a [423]	15	order, scheduling, resource, completion-time, task, activity, preempt	psplib, RCPSP	cycle, cumulative		Ilog Scheduler			benchmark	edge-finding, not-last, energetic reasoning	186	747
Vilim11 [424]	16	scheduling, precedence, preempt, machine, task, completion-time, activity, order, manpower, resource								sweep, energetic reasoning, not-last, time-tabling, edge-finding	165	726
VilimBC04 [425]	15	distributed, job-shop, resource, scheduling, make-span, open-shop, completion-time, machine, precedence, order, job, activity								not-first, edge-finding, not-last	237	798
VilimLS15 [427]	17	machine, precedence, order, cmax, job, activity, earliness, job-shop, resource, scheduling, make-span, completion-time, task				Cplex, CPO, OZ	rectangle-packing		benchmark	time-tabling	119	680
WangB20 [432]	8	job, order, machine, task, distributed, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		OZ, Gurobi	aircraft		github		48	609

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
WangB23 [433]	8	job, lazy clause generation, order, task, transportation, resource, scheduling	Fixed Job Scheduling, FJS	alldifferent		Gurobi	crew-scheduling, aircraft		real-world, random instance		14	575
WatsonB08 [435]	15	job-shop, resource, scheduling, make-span, completion-time, machine, order, cmax, job		disjunctive	C++	Ilog Scheduler			benchmark, real-world		195	756
WessenCS20 [436]	10	make-span, completion-time, precedence, job, scheduling, task, order, job-shop, multi-agent		circuit		Gecode, OZ	robot		real-world		49	610
WinterMMW22 [438]	18	tardiness, precedence, release-date, setup-time, job, scheduling, completion-time, resource, order, task, machine, distributed, due-date	parallel machine, PMSP	alternative constraint, noOverlap		CPO, Gurobi, Cplex	farming	manufacturing industry, agricultural industry	supplementary material, real-life, industry partner, zenodo, industrial partner, benchmark		28	589
Wolf03 [439]	15	completion-time, resource, job, make-span, machine, activity, job-shop, task, order, preempt, scheduling		cumulative, disjunctive	Java		pipeline		benchmark	not-last, not-first, edge-finding, sweep	246	807
WolfS05 [440]	14	preempt, activity, order, task, completion-time, scheduling, distributed, resource		cumulative		CHIP			real-world	energetic reasoning, not-last, sweep	227	788
WolinskiKG04 [441]	8	resource, precedence, scheduling, machine, order, distributed	SCC	cycle	Java		pipeline				239	800
WuBB05 [443]	1	scheduling, resource, job, make-span, release-date				Ilog Scheduler			benchmark		228	789
YangSS19 [444]	10	resource, completion-time, machine, task, activity, preempt, order, scheduling, lazy clause generation		cumulative, disjunctive	Prolog	Choco Solver, Gecode, CHIP, SICStus, OPL, OR-Tools	rectangle-packing		generated instance	not-last, energetic reasoning, edge-finding	64	625
YoungFS17 [446]	10	lazy clause generation, resource, scheduling, make-span, task, machine, precedence, order, activity, preempt	RCPSP, pspLib	disjunctive, cumulative		Chuffed, MiniZinc			benchmark, github, instance generator	time-tabling	88	649
YuraszekMC23 [448]	6	cmax, job, open-shop, distributed, order, preempt, scheduling, due-date, job-shop, flow-time, make-span, machine, release-date, precedence	OSSP, JSSP	noOverlap					github, benchmark		15	576
ZhangJZL22 [454]	6	setup-time, due-date, scheduling, flow-shop, task, order, completion-time, transportation, machine, make-span, job, precedence, tardiness, resource	parallel machine, single machine	alternative constraint, cumulative, noOverlap, endBeforeStart		OZ	semiconductor		benchmark		29	590
ZhangLS12 [457]	4	scheduling, order, cmax								time-tabling	154	715

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Zhou96 [458]	15	release-date, job-shop, due-date, task, order, scheduling, precedence, completion-time, job, machine		disjunctive	Prolog	Z3				edge-finding	274	835
ZhouGL15 [460]	5	scheduling, distributed, resource, completion-time, tardiness, machine, setup-time, job, job-shop, flow-shop, task, re-scheduling, make-span, transportation, order, cmax	FJS, HFF, parallel ma- chine	cumulative		CHIP, OR-Tools, Gecode, OZ	railway		real-world		120	681
ZhuS02 [461]	5	activity, scheduling, distributed, resource									256	817
ZibranR11 [462]	4	scheduling, order, activity			Java	OPL, Cplex					166	727
ZibranR11a [463]	10	scheduling, distributed, order, activity, resource				Cplex, OPL				time-tabling	167	728

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
AalianPG23 AalianPG23 [1]	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	CP Opt	real-world	1	n		n			?	1	285
Bit-Monnot23 Bit-Monnot23 [63]	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	ARIES CP Opt OR-Tools Mistral OR-Tools	real-world, github, bench- mark	1	y		y	-	JSSP OSSP	-	2	321
EfthymiouY23 EfthymiouY23 [125]	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems		benchmark, random instance, generated instance, real-life, industrial instance	3	n		n	-	CHSP	-	3	361
JuvinHHL23 JuvinHHL23 [217]	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	CP Opt Mistral	supplementary material, github, bench- mark	6	ref		y		PJSSP	endBeforeStart span noOverlap	4	420
JuvinHL23 JuvinHL23 [218]	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	CP Opt Cplex	real-world	0	ref		n	-	Perm FSSP	endBeforeStart noOverlap sameSequence	5	421
KameugneFND23 KameugneFND23 [222]	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	?	benchmark	5	BL PSPLib		n	-	RCPSPs	cumulative	6	424
KimCMLLP23 KimCMLLP23 [231]	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	Gurobi OR-Tools	real-world, benchmark, zenodo	0	y		n	-	SCC	alternative noOverlap	7	429
Mehdizadeh-Somarin23 Mehdizadeh-Somarin23 [295]	A Constraint Programming Model for a Reconfigurable Job Shop Scheduling Problem with Machine Availability	CP Opt	random instance	0	n		n	-	JSSP RMS	alternative endBeforeStart noOverlap	8	468
PerezGSL23 PerezGSL23 [338]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	9	491
PovedaAA23 PovedaAA23 [348]	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	CP Opt MiniZinc Chuffed	real-world, github, bench- mark, industrial instance, real- life	4	y		y		PP-MS- MMRCPSP/max- cal		10	495
SquillaciPR23 SquillaciPR23 [387]	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	Cplex Studio	github, bench- mark	2	y		n	-	EOSP	?	11	517
TardivoDFMP23 TardivoDFMP23 [396]	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	MiniCPP MiniZinc	bitbucket, github, bench- mark, real- world	9	PSPLib BL Pack		y	-	RCPSP	cumulative	12	522
TasselGS23 TasselGS23 [397]	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	industrial instance, real- world, supple- mentary ma- terial, github, benchmark	0	ref		y	-	JSSP	noOverlap	13	523
WangB23 WangB23 [433]	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	FaCiLe	real-world, random instance	0	(y)		n	[432]	FJS	-	14	544
YuraszeckMC23 YuraszeckMC23 [448]	A competitive constraint programming approach for the group shop scheduling problem	CP Opt	github, bench- mark	0	ref		n	-	GSSP	noOverlap endBeforeStart	15	554

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
ArmstrongGOS22 ArmstrongGOS22 [16]	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	CP Opt	real-world, benchmark	0	(y)		-	[15]	$HFFm tt C_{\max}$	endBeforeStart alternative cumulative noOverlap	16	294
BoudreaultSLQ22 BoudreaultSLQ22 [80]	A Constraint Programming Approach to Ship Refit Project Scheduling	MiniZinc Chuffed	benchmark, generated instance, supplementary material, gitlab, real-life, industrial partner, github, real-world	9			y	-	RCPSP	cumulative	17	333
GeitzGSSW22 GeitzGSSW22 [160]	Solving the Extended Job Shop Scheduling Problem with AGVs - Classical and Quantum Approaches	firstCS QUBO	real-life, github, real-world	8	y		n	-	JSSP		18	382
JungblutK22 JungblutK22 [216]	Optimal Schedules for High-Level Programming Environments on FPGAs with Constraint Programming	MiniZinc	benchmark, github, real-world	0	y		y	-			19	419
LiFJZLL22 LiFJZLL22 [262]	Constraint Programming for a Novel Integrated Optimization of Blocking Job Shop Scheduling and Variable-Speed Transfer Robot Assignment	OPL CP Opt	benchmark	0	ref		n	-	BJSSP	endBeforeStart alternative noOverlap	20	449
LuoB22 LuoB22 [285]	Packing by Scheduling: Using Constraint Programming to Solve a Complex 2D Cutting Stock Problem	CPO	generated instance, github, real-life, real-world, industry partner, industrial instance	2	n		n	-	2SCSP-FF	pulse alwaysIn forbidExtent stateFunction	21	462
OuelletQ22 OuelletQ22 [330]	A MinCumulative Resource Constraint	Choco	github, benchmark, random instance	1	y		y	-		cumulative minCumulative	22	487
OujanaAYB22 OujanaAYB22 [331]	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company	CP Opt	benchmark, industrial instance, real-world, real-life	0	n		n	-	HFFS	alternative span noOverlap endBeforeStart	23	488
PopovicCGNC22 PopovicCGNC22 [346]	Scheduling the Equipment Maintenance of an Electric Power Transmission Network Using Constraint Programming	CP Opt		0	n		n	-	TMS	alwaysIn noOverlap	24	494
SvancaraB22 SvancaraB22 [392]	Tackling Train Routing via Multi-agent Pathfinding and Constraint-based Scheduling		benchmark, real-world	0							25	519
Teppan22 Teppan22 [400]	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	OPL	real-life, benchmark	0	ref		n	-	FJSSP	noOverlap alternative endBeforeStart	26	524
TouatBT22 TouatBT22 [407]	A Constraint Programming Model for the Scheduling Problem with Flexible Maintenance under Human Resource Constraints	OPL	benchmark, generated instance	0	n		n	-	Single Machine Scheduling	alternative noOverlap forbidExtent	27	529
WinterMMW22 WinterMMW22 [438]	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	Cplex Gurobi CP Opt Sim Anneal	supplementary material, real-life, industry partner, zenodo, industrial partner, benchmark	0	y		y	-	PMSP	alternative noOverlap	28	547
ZhangJZL22 ZhangJZL22 [454]	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem	OP Opt	benchmark	0	ref		n	-	HFSP	alternative endBeforeStart noOverlap cumulative	29	555

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
AntuoriHHEN21 AntuoriHHEN21 [13]	Combining Monte Carlo Tree Search and Depth First Search Methods for a Car Manufacturing Workshop Scheduling Problem	MCTS	gitlab, supplementary material	1	y		y				30	291
ArmstrongGOS21 ArmstrongGOS21 [15]	The Hybrid Flexible Flowshop with Transportation Times	MiniZinc Chuffed CP Opt SICStus	instance generator, industry partner, zenodo, supplementary material, real-world, industrial partner, benchmark	1	y		y	-	$HFFm tt C_{\max}$	cumulative diffn table	31	293
Astrand0F21 Astrand0F21 [22]	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	Gecode	benchmark, real-world, real-life, generated instance	0	ref generated		n	-		-	32	298
BenderWS21 BenderWS21 [54]	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics	CP Opt		9	y		n	-	MRCPSP	noOverlap alternative	33	315
GeibingerKKMMW21 GeibingerKKMMW21 [156]	Physician Scheduling During a Pandemic	MiniZinc	real-world	3	y		n	-		nvalue	34	379
GeibingerMM21 GeibingerMM21 [159]	Constraint Logic Programming for Real-World Test Laboratory Scheduling	clingcon	real-life, github, generated instance, real-world, benchmark	0	y				TLSP RCPSP	disjunctive	35	381
HanenKP21 HanenKP21 [185]	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	Python	Roadef, generated instance, random instance	1	ref		n	-	$P prec, r_i, d_i *$	-	36	399
HillTV21 HillTV21 [202]	A Computational Study of Constraint Programming Approaches for Resource-Constrained Project Scheduling with Autonomous Learning Effects	CP Opt	real-world	0	PSPlib		n	-	RCPSP	cumulative alternative endBeforeStart	37	409
KlankeBYE21 KlankeBYE21 [232]	Combining Constraint Programming and Temporal Decomposition Approaches - Scheduling of an Industrial Formulation Plant	OR-Tools	benchmark, random instance, real-life	0	n		n	-		cumulative circuit noOverlap	38	430
KovacsTKSG21 KovacsTKSG21 [244]	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	Gurobi OR-Tools Cplex CP Opt	github, supplementary material, real-world, benchmark	2	y		y	-	extended RCPSP	cumulative	39	435
LacknerMMWW21 LacknerMMWW21 [253]	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	CP Opt Chuffed OR-Tools Gurobi OPL	random instance, industrial partner, benchmark, instance generator, real-life, supplementary material	3	y		y		OSP		40	444
BarzegaranZP20 BarzegaranZP20 [42]	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming	OR-Tools		5	n		n	-	FCP		41	309
GodetLHS20 GodetLHS20 [167]	Using Approximation within Constraint Programming to Solve the Parallel Machine Scheduling Problem with Additional Unit Resources	MiniZinc Choco Chuffed	github, real-life, benchmark, generated instance	0	JSON		y	-	PMSPAUR	disjunctive cumulative alldifferent enqueueCstr approxCstr	42	388

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GroleazNS20 GroleazNS20 [178]	Solving the Group Cumulative Scheduling Problem with CPO and ACO	CP Opt ACO	benchmark, industrial instance	0	-		-	[178]	GCSP	groupCumulative	43	395
GroleazNS20a GroleazNS20a [177]	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	CPO ACO	industrial partner, benchmark	0	y		n	-	GCSP	groupCumulative	44	396
Mercier-AubinGQ20 Mercier-AubinGQ20 [298]	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	MiniZinc Chuffed	industrial instance, industrial partner	1	a		a	-		circuit cumulative	45	470
NattafM20 NattafM20 [315]	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	Cplex CP Opt	benchmark, industrial instance	7	-		-	[289]	PTC	alternative noOverlap	46	480
TangB20 TangB20 [394]	CP and Hybrid Models for Two-Stage Batching and Scheduling	Cplex CP Opt	real-world	0	n		n	-	2BPHFSP	span alwaysIn	47	521
WangB20 WangB20 [432]	Global Propagation of Transition Cost for Fixed Job Scheduling	FaCiLe	github	0	y		n	-	FJS	-	48	543
WessenCS20 WessenCS20 [436]	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	Gecode	real-world	10	n		n	-		circuit alldifferent	49	546
BadicaBIL19 BadicaBIL19 [26]	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	ECLiPSe	github	0	dead		dead	-			50	300
BehrensLM19 BehrensLM19 [47]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks	OR-Tools	real-world, github	0	y		y	-	STAAMS		51	311
BogaerdtW19 BogaerdtW19 [413]	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	custom Cplex CPO CP Opt OR-Tools	benchmark	4	n		n	-	Multi Machine Scheduling	noOverlap	52	325
ColT19 ColT19 [99]	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	CP Opt OR-Tools	github, benchmark, real-world	2	y		y	-	JSSP	noOverlap	53	347
FrimodigS19 FrimodigS19 [144]	Models for Radiation Therapy Patient Scheduling	Mini-Zinc Gecode Cplex	benchmark, real-world	1	n		n	-		cumulative regular bin-packing	54	370
FrohnerTR19 FrohnerTR19 [145]	Casual Employee Scheduling with Constraint Programming and Metaheuristics		benchmark, real-world	0							55	371
GalleguillosKSB19 GalleguillosKSB19 [147]	Constraint Programming-Based Job Dispatching for Modern HPC Applications	OR-Tools		5			y		on-line dispatch		56	373
GeibingerMM19 GeibingerMM19 [158]	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling		real-life, generated instance, industrial partner, real-world, benchmark	3							57	380
KucukY19 KucukY19 [249]	A Constraint Programming Approach for Agile Earth Observation Satellite Scheduling Problem		benchmark, generated instance	0							58	440
LiuLH19 LiuLH19 [269]	Solving the Talent Scheduling Problem by Parallel Constraint Programming		CSPlib, benchmark	0							59	456
MalapertN19 MalapertN19 [289]	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications		generated instance, benchmark, industrial instance, Roadef	3							60	466
MurinR19 MurinR19 [309]	Scheduling of Mobile Robots Using Constraint Programming	CP Opt Cplex OPL	real-life, benchmark, github	3	y		y		JSPT	endBeforeStart alternative noOverlap	61	477

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ParkUJR19 ParkUJR19 [336]	Developing a Production Scheduling System for Modular Factory Using Constraint Programming		real-world	0							62	489
Tom19 Tom19 [405]	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling		real-world	0							63	528
YangSS19 YangSS19 [444]	Time Table Edge Finding with Energy Variables		generated instance	1							64	552
ArbaouiY18 ArbaouiY18 [14]	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming		benchmark	0							65	292
AstrandJZ18 AstrandJZ18 [23]	Fleet Scheduling in Underground Mines Using Constraint Programming			0							66	299
BenediktSMVH18 BenediktSMVH18 [56]	Energy-Aware Production Scheduling with Power-Saving Modes	CPO Gurobi	github, random instance, generated instance	1	y		y	-	Energy Aware Production Scheduling		67	316
DemirovicS18 DemirovicS18 [114]	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts		real-world, benchmark	5							68	354
He0GLW18 He0GLW18 [188]	A Fast and Scalable Algorithm for Scheduling Large Numbers of Devices Under Real-Time Pricing	Gurobi Python	real-world, bit-bucket	8	y		y	-	FSDN-DS DSP-MH-RTP		69	400
HoYCLLC18 HoYCLLC18 [203]	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints		real-world	0							70	410
KameugneFGOQ18 KameugneF-GOQ18 [221]	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint		benchmark, real-world	0							71	423
Laborie18a Laborie18a [251]	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling		real-life, benchmark, real-world	0							72	443
NishikawaSTT18 NishikawaSTT18 [317]	Scheduling of Malleable Fork-Join Tasks with Constraint Programming		real-world, benchmark	0							73	481
NishikawaSTT18a NishikawaSTT18a [318]	Scheduling of Malleable Tasks Based on Constraint Programming		real-world, benchmark, real-life	0							74	482
OuelletQ18 OuelletQ18 [329]	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning		benchmark, RoaDef	0							75	486
RiahiNS018 RiahiNS018 [358]	Local Search for Flowshops with Setup Times and Blocking Constraints		real-world, real-life, benchmark	0							76	502
Tesch18 Tesch18 [402]	Improving Energetic Propagations for Cumulative Scheduling		RoaDef	0							77	526
BofillCSV17 BofillCSV17 [66]	An Efficient SMT Approach to Solve MRCPSP/max Instances with Tight Constraints on Resources		benchmark	2							78	322
CappartS17 CappartS17 [89]	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	CPO	bitbucket, random instance, real-life	1	y		n	-	Rescheduling Railway Traffic		79	337
GelainPRVW17 GelainPRVW17 [161]	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems		CSPLib, real-life, benchmark	2							80	383
GoldwaserS17 GoldwaserS17 [170]	Optimal Torpedo Scheduling	Chuffed Gurobi	instance generator, github, generated instance	4	y		n	-	Torpedo Scheduling		81	389
Hooker17 Hooker17 [208]	Job Sequencing Bounds from Decision Diagrams		benchmark, random instance	0							82	414

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KletzanderM17 KletzanderM17 [233]	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem			2							83	431
LiuCGM17 LiuCGM17 [270]	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	Chuffed OR-Tools HCSP SA	github	11	n			-	NightSplit		84	454
Madi-WambaLOBM17 Madi-WambaLOBM17 [287]	Green Energy Aware Scheduling Problem in Virtualized Datacenters		real-world	0							85	464
MossigeGSMC17 MossigeGSMC17 [305]	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems		industrial partner, real-world, benchmark, random instance, CSPLib, generated instance	4							86	474
Pralet17 Pralet17 [349]	An Incomplete Constraint-Based System for Scheduling with Renewable Resources		benchmark	1							87	496
YoungFS17 YoungFS17 [446]	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem		benchmark, github, instance generator	6							88	553
BonfiettiZLM16 BonfiettiZLM16 [76]	The Multirate Resource Constraint		generated instance, github, industrial instance, benchmark, real-world	1							89	331
BoothNB16 BoothNB16 [77]	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes		real-world	0							90	332
BridiLBBM16 BridiLBBM16 [84]	DARDIS: Distributed And Randomized Dispatching and Scheduling			0							91	334
CauwelaertDMS16 CauwelaertDMS16 [92]	Efficient Filtering for the Unary Resource with Family-Based Transition Times		real-life, bit-bucket, benchmark	2							92	340
FontaineMH16 FontaineMH16 [140]	Parallel Composition of Scheduling Solvers		benchmark	2							93	367
GilesH16 GilesH16 [163]	Solving a Supply-Delivery Scheduling Problem with Constraint Programming			0							94	385
GingrasQ16 GingrasQ16 [164]	Generalizing the Edge-Finder Rule for the Cumulative Constraint		benchmark	0							95	386
HechingH16 HechingH16 [190]	Scheduling Home Hospice Care with Logic-Based Benders Decomposition		real-world	0							96	402
JelinekB16 JelinekB16 [214]	Using Constraint Logic Programming to Schedule Solar Array Operations on the International Space Station		real-life	2							97	418
LimHTB16 LimHTB16 [265]	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control		real-world	4							98	451
Madi-WambaB16 Madi-WambaB16 [286]	The TaskIntersection Constraint		real-world, benchmark, random instance, generated instance	3							99	463
SchuttS16 SchuttS16 [373]	Explaining Producer/Consumer Constraints		benchmark	1							100	510
SzerediS16 SzerediS16 [393]	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling		benchmark	2							101	520

Table 4: Manually Defined PAPER Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
Tesch16 Tesch16 [401]	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal{O}(n^2 \log n)$		Roadef	1							102	525
BartakV15 BartakV15 [40]	Reactive Recovery from Machine Breakdown in Production Scheduling with Temporal Distance and Resource Constraints		real-world, real-life	0							103	307
BofillGSV15 BofillGSV15 [68]	MaxSAT-Based Scheduling of B2B Meetings		industrial instance	3							104	324
BurtLPS15 BurtLPS15 [86]	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study		real-world, benchmark, industry partner	5							105	336
DejemeppeCS15 DejemeppeCS15 [111]	The Unary Resource with Transition Times		real-world, bitbucket, generated instance, benchmark	4							106	352
EvenSH15 EvenSH15 [130]	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling		real-life, real-world	0							107	365
GayHLS15 GayHLS15 [151]	Conflict Ordering Search for Scheduling Problems		benchmark, bitbucket	0							108	375
GayHS15 GayHS15 [152]	Simple and Scalable Time-Table Filtering for the Cumulative Constraint		bitbucket	2							109	376
GayHS15a GayHS15a [153]	Time-Table Disjunctive Reasoning for the Cumulative Constraint		benchmark, bitbucket, real-world	0							110	377
KreterSS15 KreterSS15 [245]	Modeling and Solving Project Scheduling with Calendars		benchmark	3							111	438
LimBTBB15 LimBTBB15 [266]	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings		benchmark	3							112	450
LombardiBM15 LombardiBM15 [272]	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty		benchmark, real-world	0							113	457
MelgarejoLS15 MelgarejoLS15 [7]	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems		real-world, benchmark	1							114	469
MurphyMB15 MurphyMB15 [310]	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System		real-world	3							115	478
PesantRR15 PesantRR15 [340]	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem			1							116	492
PraletLJ15 PraletLJ15 [350]	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search			0							117	497
SialaAH15 SialaAH15 [380]	Two Clause Learning Approaches for Disjunctive Scheduling		github, benchmark	5							118	513
VilimLS15 VilimLS15 [427]	Failure-Directed Search for Constraint-Based Scheduling		benchmark	8							119	542
ZhouGL15 ZhouGL15 [460]	On complex hybrid flexible flowshop scheduling problems based on constraint programming		real-world	0							120	558
AlesioNBG14 AlesioNBG14 [118]	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing		benchmark	2							121	289
BartoliniBBLM14 BartoliniBBLM14 [41]	Proactive Workload Dispatching on the EURORA Supercomputer			4							122	308
BessiereHMQW14 BessiereHMQW14 [61]	Buffered Resource Constraint: Algorithms and Complexity		benchmark, real-life	0							123	319
BofillEGPSV14 BofillEGPSV14 [67]	Scheduling B2B Meetings		industrial instance	6							124	323

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
BonfiettiLM14 BonfiettiLM14 [74]	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!		real-world, benchmark	2							125	329
DejemeppeD14 DejemeppeD14 [112]	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling		bitbucket	0							126	353
DerrienP14 DerrienP14 [116]	A New Characterization of Relevant Intervals for Energetic Reasoning		random instance	0							127	355
DerrienPZ14 DerrienPZ14 [117]	A Declarative Paradigm for Robust Cumulative Scheduling		benchmark, random instance, real-world	0							128	356
DoulabiRP14 DoulabiRP14 [122]	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling			0							129	359
FriedrichFMRSS14 FriedrichFMRSS14 [143]	Representing Production Scheduling with Constraint Answer Set Programming			0							130	No
GaySS14 GaySS14 [154]	Continuous Casting Scheduling with Constraint Programming		real-life, CSPlib	0							131	378
HoundjiSWD14 HoundjiSWD14 [210]	The StockingCost Constraint		bitbucket, generated instance	0							132	416
KoschB14 KoschB14 [237]	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes		benchmark	0							133	433
BonfiettiLM13 BonfiettiLM13 [73]	De-Cycling Cyclic Scheduling Problems			0							134	328
CireCH13 CireCH13 [96]	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	CP Opt Cplex		1	dead		n	-			135	344
GuSS13 GuSS13 [180]	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	Chuffed	benchmark	1	dead			-	RCPSPDC	cumulative maxNVPPProp	136	398
HeinzKB13 HeinzKB13 [192]	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling			0							137	404
KelarevaTK13 KelarevaTK13 [226]	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	MiniZinc CPX G12FD SICStus Choco	real-world	5	ref		-	-	LSFRP BPCTOP	alldifferent alldifferentExcept	138	426
LetortCB13 LetortCB13 [260]	A Synchronized Sweep Algorithm for the <i>k</i> -dimensional cumulative Constraint		Roadef, benchmark, random instance	2	PSPlib		-	-	RCPSP	cumulative kDimensionalCum	139	448
LombardiM13 LombardiM13 [279]	A Min-Flow Algorithm for Minimal Critical Set Detection in Resource Constrained Project Scheduling			0							140	461
OuelletQ13 OuelletQ13 [328]	Time-Table Extended-Edge-Finding for the Cumulative Constraint		benchmark	1							141	485
SchuttFS13 SchuttFS13 [370]	Scheduling Optional Tasks with Explanation		benchmark	1							142	507
SchuttFS13a SchuttFS13a [369]	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	Mercury G12	benchmark	5	PSPlib AT BL Pack KSD15D PackD		-	-	RCPSP	cumulative	143	508
BillautHL12 BillautHL12 [62]	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem		random instance	0							144	320

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
BonfiettiLBM12 BonfiettiLBM12 [71]	Global Cyclic Cumulative Constraint		benchmark	3							145	327
BonfiettiM12 BonfiettiM12 [75]	A Constraint-based Approach to Cyclic Resource-Constrained Scheduling Problem		industrial instance	0							146	330
HeinzB12 HeinzB12 [191]	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling			0							147	403
IfrimOS12 IfrimOS12 [212]	Properties of Energy-Price Forecasts for Scheduling		real-life	1							148	417
LetortBC12 LetortBC12 [259]	A Scalable Sweep Algorithm for the cumulative Constraint		Roadef, benchmark, random instance	2							149	447
RendlPHPR12 RendlPHPR12 [357]	Hybrid Heuristics for Multimodal Homecare Scheduling		real-world, CSPLib, benchmark	2							150	501
SchuttCSW12 SchuttCSW12 [368]	Maximising the Net Present Value for Resource-Constrained Project Scheduling		benchmark	1							151	506
SerraNM12 SerraNM12 [375]	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach		benchmark, real-world	4							152	512
SimoninAHL12 SimoninAHL12 [381]	Scheduling Scientific Experiments on the Rosetta/Philae Mission	MOST Ilog Scheduler		0	n		n	-		cumulative dataTransfer	153	514
ZhangLS12 ZhangLS12 [457]	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method			0							154	556
BonfiettiLBM11 BonfiettiLBM11 [70]	A Constraint Based Approach to Cyclic RCPSP		generated instance, industrial instance, benchmark	3							155	326
ChapadosJR11 ChapadosJR11 [94]	Retail Store Workforce Scheduling by Expected Operating Income Maximization			0							156	342
ClercPBJ11 ClercPBJ11 [97]	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource		benchmark	1							157	345
EdisO11 EdisO11 [124]	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach			0							158	360
GrimesH11 GrimesH11 [174]	Models and Strategies for Variants of the Job Shop Scheduling Problem		benchmark	1							159	393
HeinzS11 HeinzS11 [194]	Explanations for the Cumulative Constraint: An Experimental Study		benchmark	1							160	405
HermenierDL11 HermenierDL11 [201]	Bin Repacking Scheduling in Virtualized Datacenters			1							161	408
KameugneFSN11 KameugneFSN11 [223]	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints		benchmark	1							162	425
LahimerLH11 LahimerLH11 [255]	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks		benchmark	2							163	445
LombardiBMB11 LombardiBMB11 [273]	Precedence Constraint Posting for Cyclic Scheduling Problems		benchmark, industrial instance, real-life	0							164	458
Vilim11 Vilim11 [424]	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources		benchmark	1							165	540
ZibranR11 ZibranR11 [462]	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach			0							166	560

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ZibranR11a	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring			0							167	561
ZibranR11a [463]												
BertholdHLS10	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling			1							168	318
BertholdHLS10 [60]												
CobanH10	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition			0							169	346
CobanH10 [98]												
Davenport10	Integrated Maintenance Scheduling for Semiconductor Manufacturing			0							170	350
Davenport10 [105]												
GrimesH10	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach		benchmark	1							171	392
GrimesH10 [173]												
LombardiM10	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution		real-world, benchmark	1							172	460
LombardiM10 [276]												
MakMS10	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems			0							173	465
MakMS10 [288]												
SchuttW10	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints		benchmark	1							174	511
SchuttW10 [374]												
SunLYL10	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming			0							175	518
SunLYL10 [390]												
Acuna-AgostMFG09	Constraint Programming and Mixed Integer Linear Programming for Rescheduling Trains under Disrupted Operations		Roadef	1							176	287
Acuna-AgostMFG09 [4]												
AronssonBK09	MILP formulations of cumulative constraints for railway scheduling - A comparative study		real-world, real-life	0							177	295
AronssonBK09 [17]												
Baptiste09	Constraint-Based Schedulers, Do They Really Work?			0							178	301
Baptiste09 [27]												
GrimesHM09	Closing the Open Shop: Contradicting Conventional Wisdom		benchmark	0							179	394
GrimesHM09 [175]												
Laborie09	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems		real-world, benchmark	2							180	442
Laborie09 [250]												
LombardiM09	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations		real-world, instance generator	1							181	459
LombardiM09 [274]												
MonetteDH09	Just-In-Time Scheduling with Constraint Programming		benchmark	0							182	473
MonetteDH09 [302]												
SchuttFSW09	Why Cumulative Decomposition Is Not as Bad as It Sounds		benchmark, real-world	1							183	509
SchuttFSW09 [371]												
ThiruvadyBME09	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling			0							184	527
ThiruvadyBME09 [403]												
Vilim09 Vilim09 [422]	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$			0							185	538
Vilim09a Vilim09a [423]	Max Energy Filtering Algorithm for Discrete Cumulative Resources			1							186	539
BarlattCG08	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems		real-world	1							187	304
BarlattCG08 [33]												
BeldiceanuCP08	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles		benchmark	0							188	313
BeldiceanuCP08 [51]												
DoomsH08	Gap Reduction Techniques for Online Stochastic Project Scheduling			0							189	358
DoomsH08 [121]												
HentenryckM08	The Steel Mill Slab Design Problem Revisited		CSPlib	0							190	407
HentenryckM08 [200]												

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Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
LauLN08 LauLN08 [257]	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)		benchmark, real-world	0							191	446
MouraSCL08 MouraSCL08 [307]	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network			0							192	475
MouraSCL08a MouraSCL08a [306]	Heuristics and Constraint Programming Hybridizations for a Real Pipeline Planning and Scheduling Problem		real-world, benchmark	0							193	476
PoderB08 PoderB08 [342]	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production			0							194	493
WatsonB08 WatsonB08 [435]	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem		benchmark, real-world	1							195	545
AkkerDH07 AkkerDH07 [412]	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems			0							196	288
BeldiceanuP07 BeldiceanuP07 [52]	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production			0							197	314
DavenportKRSH07 DavenportKRSH07 [106]	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing			0							198	351
GarganiR07 GarganiR07 [148]	An Efficient Model and Strategy for the Steel Mill Slab Design Problem		real-life, CSPLib	0							199	374
HoeveGSL07 HoeveGSL07 [415]	Optimal Multi-Agent Scheduling with Constraint Programming		benchmark	0							200	411
KeriK07 KeriK07 [228]	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method			2							201	427
KrogtLPHJ07 KrogtLPHJ07 [414]	Scheduling for Cellular Manufacturing		real-world	0							202	439
Limtanyakul07 Limtanyakul07 [267]	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming		real-life	0							203	453
MonetteDD07 MonetteDD07 [301]	A Position-Based Propagator for the Open-Shop Problem		benchmark	0							204	472
RossiTHP07 RossiTHP07 [360]	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost			0							205	504
BeniniBGM06 BeniniBGM06 [57]	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs		real-life	0							206	317
GomesHS06 GomesHS06 [172]	Constraint Programming for Distributed Planning and Scheduling		real-life	0							207	391
KhemmoudjPB06 KhemmoudjPB06 [230]	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages		real-world	0							208	428
KovacsV06 KovacsV06 [243]	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP		industrial partner, benchmark, generated instance	0							209	437
LiuJ06 LiuJ06 [271]	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming			0							210	455
QuSN06 QuSN06 [355]	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices			0							211	499

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AbrilSB05 AbrilSB05 [3]	Distributed Constraints for Large-Scale Scheduling Problems			0							212	286
ArtiouchineB05 ArtiouchineB05 [20]	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs		generated instance, random instance	0							213	297
CarchraeBF05 CarchraeBF05 [90]	Methods to Learn Abstract Scheduling Models			0							214	338
ChuX05 ChuX05 [95]	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems			0							215	343
DilkinaDH05 DilkinaDH05 [119]	Extending Systematic Local Search for Job Shop Scheduling Problems			0							216	357
FortinZDF05 FortinZDF05 [141]	Interval Analysis in Scheduling			0							217	368
FrankK05 FrankK05 [142]	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations		benchmark	0							218	369
Geske05 Geske05 [162]	Railway Scheduling with Declarative Constraint Programming		real-life	0							219	384
GodardLN05 GodardLN05 [165]	Randomized Large Neighborhood Search for Cumulative Scheduling		benchmark	0							220	387
HebrardTW05 HebrardTW05 [189]	Computing Super-Schedules			0							221	401
Hooker05a Hooker05a [206]	Planning and Scheduling to Minimize Tardiness			0							222	413
KovacsEKV05 KovacsEKV05 [240]	Proterv-II: An Integrated Production Planning and Scheduling System		real-life	0							223	434
MoffittPP05 MoffittPP05 [299]	Augmenting Disjunctive Temporal Problems with Finite-Domain Constraints			0							224	471
QuirogaZH05 QuirogaZH05 [356]	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS			0							225	500
Vilim05 Vilim05 [421]	Computing Explanations for the Unary Resource Constraint		benchmark	4							226	537
WolfS05 WolfS05 [440]	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application		real-world	0							227	549
WuBB05 WuBB05 [443]	Scheduling with Uncertain Start Dates		benchmark	0							228	551
ArtiguesBF04 ArtiguesBF04 [18]	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times		benchmark	0							229	296
HentenryckM04 HentenryckM04 [199]	Scheduling Abstractions for Local Search		benchmark	0							230	406
Hooker04 Hooker04 [204]	A Hybrid Method for Planning and Scheduling		random instance	0							231	412
KovacsV04 KovacsV04 [242]	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling		industrial partner, benchmark, real-life	0							232	436
LimRX04 LimRX04 [264]	Solving the Crane Scheduling Problem Using Intelligent Search Schemes		generated instance	0							233	452
MaraveliasG04 MaraveliasG04 [292]	Using MILP and CP for the Scheduling of Batch Chemical Processes			0							234	467
Sadykov04 Sadykov04 [363]	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem			0							235	505
Vilim04 Vilim04 [420]	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint		benchmark	1							236	536
VilimBC04 VilimBC04 [425]	Unary Resource Constraint with Optional Activities		benchmark, real-life	0							237	541

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VillaverdeP04 VillaverdeP04 [428]	An Investigation of Scheduling in Distributed Constraint Logic Programming			0							238	No
WolinskiKG04 WolinskiKG04 [441]	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures			0							239	550
WolinskiKG04a WolinskiKG04a [442]	A constraints programming approach to communication scheduling on SoPC architectures			0							240	No
DannaP03 DannaP03 [103]	Structured vs. Unstructured Large Neighborhood Search: A Case Study on Job-Shop Scheduling Problems with Earliness and Tardiness Costs		benchmark	0							241	349
Kumar03 Kumar03 [248]	Incremental Computation of Resource-Envelopes in Producer-Consumer Models			0							242	441
OddiPCC03 OddiPCC03 [327]	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem		benchmark	0							243	484
ValleMGT03 ValleMGT03 [411]	On Selecting and Scheduling Assembly Plans Using Constraint Programming		real-life	0							244	531
Vilim03 Vilim03 [419]	Computing Explanations for Global Scheduling Constraints			0							245	535
Wolf03 Wolf03 [439]	Pruning while Sweeping over Task Intervals		benchmark	0							246	548
Bartak02 Bartak02 [35]	Visopt ShopFloor: On the Edge of Planning and Scheduling		real-life	0							247	305
Bartak02a Bartak02a [34]	Visopt ShopFloor: Going Beyond Traditional Scheduling		benchmark, real-life	0							248	306
BeldiceanuC02 BeldiceanuC02 [49]	A New Multi-resource cumulatives Constraint with Negative Heights		real-life, random instance, benchmark	0							249	312
ElkhyariGJ02 ElkhyariGJ02 [126]	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems			0							250	362
ElkhyariGJ02a ElkhyariGJ02a [127]	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools		benchmark, real-life	0							251	363
HookerY02 HookerY02 [209]	A Relaxation of the Cumulative Constraint			0							252	415
KamarainenS02 KamarainenS02 [219]	Local Probing Applied to Scheduling		real-world, benchmark	2							253	422
Muscettola02 Muscettola02 [311]	Computing the Envelope for Stepwise-Constant Resource Allocations			0							254	479
Vilim02 Vilim02 [418]	Batch Processing with Sequence Dependent Setup Times			0							255	534
ZhuS02 ZhuS02 [461]	A Meeting Scheduling System Based on Open Constraint Programming			0							256	559
VanczaM01 VanczaM01 [416]	A Constraint Engine for Manufacturing Process Planning		real-life, real-world	0							257	532
VerfaillieL01 VerfaillieL01 [417]	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View			0							258	533
AngelsmarkJ00 AngelsmarkJ00 [12]	Some Observations on Durations, Scheduling and Allen's Algebra			0							259	290
FocacciLN00 FocacciLN00 [139]	Solving Scheduling Problems with Setup Times and Alternative Resources		real-world	0							260	366
KorbaaYG99 KorbaaYG99 [235]	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming			0							261	432

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CestaOS98	Scheduling Multi-capacitated Resources Under			0							262	341
CestaOS98 [93]	Complex Temporal Constraints											
FrostD98 FrostD98 [146]	Optimizing with Constraints: A Case Study in			0							263	372
	Scheduling Maintenance of Electric Power Units											
GruianK98	Operation Binding and Scheduling for Low		benchmark	0							264	397
GruianK98 [179]	Power Using Constraint Logic Programming											
PembertonG98	A constraint-based approach to satellite			0							265	490
PembertonG98 [337]	scheduling											
RodosekW98	A Generic Model and Hybrid Algorithm for		benchmark	0							266	503
RodosekW98 [359]	Hoist Scheduling Problems											
BaptisteP97	Constraint Propagation and Decomposition		benchmark	0							267	303
BaptisteP97 [30]	Techniques for Highly Disjunctive and Highly											
	Cumulative Project Scheduling Problems											
BeckDF97	Five Pitfalls of Empirical Scheduling Research		benchmark,	0							268	310
BeckDF97 [43]			real-world									
BoucherBVBL97	Multi-criteria Comparison Between Algorithmic,			0							269	No
BoucherBVBL97 [79]	Constraint Logic and Specific Constraint											
	Programming on a Real Scheduling Problem											
Caseau97 Caseau97 [91]	Using Constraint Propagation for Complex		benchmark	0							270	339
	Scheduling Problems: Managing Size, Complex											
	Resources and Travel											
PapeB97 PapeB97 [334]	A Constraint Programming Library for			0							271	No
	Preemptive and Non-Preemptive Scheduling											
BrusoniCLMMT96	Resource-Based vs. Task-Based Approaches for			0							272	335
BrusoniCLMMT96 [85]	Scheduling Problems											
Colombani96	Constraint Programming: an Efficient and			0							273	348
Colombani96 [101]	Practical Approach to Solving the Job-Shop											
	Problem											
Zhou96 Zhou96 [458]	A Constraint Program for Solving the Job-Shop			0							274	557
	Problem											
Goltz95 Goltz95 [171]	Reducing Domains for Search in CLP(FD) and		benchmark	0							275	390
	Its Application to Job-Shop Scheduling											
Puget95 Puget95 [352]	Applications of Constraint Programming		benchmark	0							276	498
Simonis95	The CHIP System and Its Applications			0							277	515
Simonis95 [383]												
SimonisC95	Modelling Producer/Consumer Constraints		real-life	0							278	516
SimonisC95 [385]												
Touraivane95	Constraint Programming and Industrial		real-life	0							279	530
Touraivane95 [408]	Applications											
JourdanFRD94	Data Alignment and Task Scheduling On			0							280	No
JourdanFRD94 [215]	Parallel Machines Using Concurrent Constraint											
	Model-based Programming											
NuijtenA94	Constraint Satisfaction for Multiple Capacitated			0							281	483
NuijtenA94 [325]	Job Shop Scheduling											
AggounB92	Extending CHIP in order to solve complex			0							282	No
AggounB92 [5]	scheduling and placement problems											
BaptisteLV92	Hoist scheduling problem: an approach based on			0							283	302
BaptisteLV92 [32]	constraint logic programming											
ErtlK91 ErtlK91 [128]	Optimal Instruction Scheduling using Constraint		real-world,	0							284	364
	Logic Programming		benchmark									

3 Journal Articles

Table 5: ARTICLES from bibtex (Total 167)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
PrataAN23	PrataAN23	Bruno A. Prata, Levi R. Abreu, Marcelo S. Nagano	Yes	[351]	2024	Results in Control and Optimization	17	1124	1174
abs-2402-00459	S. Nguyen, Dhananjay R. Thiruvady, Y. Sun, M. Zhang	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	Yes	[316]	2024	CoRR	21	1173	1175
abs-2402-00459	Levi Ribeiro de Abreu, Marcelo Seido Nagano, Bruno A. Prata	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	No	[109]	2023	Int. J. Prod. Res.	20	No	1176
AkramNHRSA23	AkramNHRSA23	Bilal Omar Akram, Nor Kamariah Noordin, F. Hashim, Mohd Fadlee A. Rasid, Mustafa Ismael Salman, Abdulrahman M. Abdulghani	Yes	[8]	2023	IEEE Access	16	1017	1177
AlfieriGPS23	AlfieriGPS23	A. Alfieri, M. Garraffa, E. Pastore, F. Salassa	Yes	[10]	2023	Computers and Industrial Engineering	13	1018	1178
Caballero23	Caballero23	Jordi Coll Caballero	Yes	[87]	2023	Constraints An Int. J.	1	1041	1179
CzerniachowskaWZ23	CzerniachowskaWZ23	C. Kateryna, W. Radosław, Żywicki, Krzysztof	Yes	[102]	2023	Advances in Science and Technology Research Journal	14	1044	1180
GurPAE23	GurPAE23	S. Gür, M. Pinarbasi, Haci Mehmet Alakas, T. Eren	Yes	[181]	2023	Central Eur. J. Oper. Res.	25	1062	1181
IsikYA23	IsikYA23	Eyüp Ensar Isik, Seyda Topaloglu Yildiz, Özge Satir Akpunar	Yes	[213]	2023	Soft Comput.	28	1074	1182
LacknerMMWW23	LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Yes	[254]	2023	Constraints An Int. J.	42	1087	1183
MontemanniD23	MontemanniD23	R. Montemanni, M. Dell'Amico	Yes	[304]	2023	Algorithms	13	1104	1184
MontemanniD23a	MontemanniD23a	R. Montemanni, M. Dell'Amico	Yes	[303]	2023	EURO J. Comput. Optim.	20	1105	1185
NaderiRR23	NaderiRR23	N. Bahman, R. Rubén, R. Vahid	Yes	[312]	2023	INFORMS Journal on Computing	27	1107	1186
ShaikhK23	ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	Yes	[376]	2023	Int. J. Electron. Secur. Digit. Forensics	12	1134	1187
YuraszeckMCCR23	YuraszeckMCCR23	F. Yuraszeck, E. Montero, D. Canut-de-Bon, N. Cuneo, M. Rojel	Yes	[450]	2023	IEEE Access	11	1155	1188
abs-2305-19888	abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Yes	[197]	2023	CoRR	42	1170	1189
abs-2306-05747	abs-2306-05747	P. Tassel, M. Gebser, K. Schekotihin	Yes	[398]	2023	CoRR	9	1171	1190
abs-2312-13682	abs-2312-13682	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	Yes	[339]	2023	CoRR	20	1172	1191
AbreuN22	AbreuN22	Levi Ribeiro de Abreu, Marcelo Seido Nagano	Yes	[108]	2022	Comput. Ind. Eng.	20	1015	1192
BourreauGGLT22	BourreauGGLT22	E. Bourreau, T. Garaix, M. Gondran, P. Lacomme, N. Tchernev	Yes	[81]	2022	Int. J. Prod. Res.	19	1039	1193
CampeauG22	CampeauG22	L. Campeau, M. Gamache	Yes	[88]	2022	Constraints An Int. J.	18	1042	1194

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Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
PandeyS21a PandeyS21a	V. Pandey, P. Saini	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization	Yes	[333]	2021	J. Supercomput.	29	1118	1214
QinWSLS21 QinWSLS21	M. Qin, R. Wang, Z. Shi, L. Liu, L. Shi	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint	Yes	[353]	2021	IEEE Trans Autom. Sci. Eng.	12	1126	1215
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks	Yes	[429]	2021	Comput. Ind. Eng.	14	1148	1216
ZhangYW21 ZhangYW21	L. Zhang, C. Yu, T. N. Wong	A graph-based constraint programming approach for the integrated process planning and scheduling problem	Yes	[455]	2021	Comput. Oper. Res.	10	1161	1217
AlizdehS20 AlizdehS20	S. Alizdeh, S. Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	No	[11]	2020	Int. J. Adv. Intell. Paradigms	14	No	1218
AstrandJZ20 AstrandJZ20	M. Åstrand, M. Johansson, A. Zanarini	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search	Yes	[24]	2020	Comput. Oper. Res.	13	1020	1219
BadicaBI20 BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	Yes	[25]	2020	AI Commun.	17	1021	1220
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	Yes	[55]	2020	Constraints An Int. J.	19	1032	1221
FallahiAC20 FallahiAC20	Abdellah El Fallahi, El Yaakoubi Anass, M. Cherkaoui	Tabu search and constraint programming-based approach for a real scheduling and routing problem	Yes	[134]	2020	International Journal of Applied Management Science	18	1052	1222
LunardiBLRV20 LunardiBLRV20	William T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem	Yes	[283]	2020	Comput. Oper. Res.	20	1098	1223
MengZRZL20 MengZRZL20	L. Meng, C. Zhang, Y. Ren, B. Zhang, C. Lv	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem	Yes	[297]	2020	Comput. Ind. Eng.	13	1102	1224
MokhtarzadehTNF20 MokhtarzadehTNF20	M. Mokhtarzadeh, R. Tavakkoli-Moghaddam, Behdin Vahedi Nouri, A. Farsi	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach	Yes	[300]	2020	Int. J. Comput. Integr. Manuf.	14	1103	1225
Polo-MejiaALB20 Polo-MejiaALB20	O. Polo-Mejía, C. Artigues, P. Lopez, V. Basini	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility	Yes	[345]	2020	Int. J. Prod. Res.	18	1122	1226
QinDCS20 QinDCS20	T. Qin, Y. Du, Jiang Hang Chen, M. Sha	Combining mixed integer programming and constraint programming to solve the integrated scheduling problem of container handling operations of a single vessel	Yes	[354]	2020	Eur. J. Oper. Res.	18	1125	1227
SacramentoSP20 SacramentoSP20	D. Sacramento, C. Solnon, D. Pisinger	Constraint Programming and Local Search Heuristic: a Matheuristic Approach for Routing and Scheduling Feeder Vessels in Multi-terminal Ports	Yes	[362]	2020	Oper. Res. Forum	33	1128	1228
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	Yes	[431]	2020	Constraints An Int. J.	19	1150	1229
ZouZ20 ZouZ20	X. Zou, L. Zhang	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic	Yes	[464]	2020	Automation in Construction	10	1163	1230
EscobetPQPRA19 EscobetPQPRA19	T. Escobet, V. Puig, J. Quevedo, P. Palà-Schönwälder, J. Romera, W. Adelman	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach	Yes	[129]	2019	Comput. Chem. Eng.	10	1048	1231
GurEA19 GurEA19	Şeyda Gür, T. Eren, Hacı Mehmet Alakaş	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study	Yes	[465]	2019	Mathematics	24	1061	1232
HauderBRPA19 HauderBRPA19	Viktoria A. Hauder, A. Beham, S. Raggl, Sophie N. Parragh, M. Affenzeller	On constraint programming for a new flexible project scheduling problem with resource constraints	Yes	[186]	2019	ArXiv	62	1066	1233
NishikawaSTT19 NishikawaSTT19	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	Yes	[319]	2019	Int. J. Netw. Comput.	16	1110	1234

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Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming	Yes	[321]	2019	Comput. Ind. Eng.	13	1112	1235
WikarekS19 WikarekS19	J. Wikarek, P. Sitek	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems	Yes	[437]	2019	Vietnam. J. Comput. Sci.	22	1152	1236
YounespourAKE19 YounespourAKE19	M. Younespour, A. Atighehchian, K. Kianfar, Ehsan Tarkesh Esfahani	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy	Yes	[445]	2019	Operations research for health care	11	1153	1237
abs-1901-07914 abs-1901-07914	Jan Kristof Behrens, R. Lange, M. Mansouri	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks	Yes	[48]	2019	CoRR	8	1165	1238
abs-1902-01193 abs-1902-01193	O. M. Alade, A. O. Amusat	Solving Nurse Scheduling Problem Using Constraint Programming Technique	Yes	[9]	2019	CoRR	9	1166	1239
abs-1902-09244 abs-1902-09244	Viktoria A. Hauder, A. Beham, S. Raggl, Sophie N. Parragh, M. Affenzeller	On constraint programming for a new flexible project scheduling problem with resource constraints	Yes	[187]	2019	CoRR	62	1167	1240
abs-1911-04766 abs-1911-04766	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming and Hybrid Methods for Real World Industrial Test Laboratory Scheduling	Yes	[157]	2019	CoRR	16	1168	1241
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds	Yes	[28]	2018	Discret. Appl. Math.	10	1022	1242
BorghesiBLMB18 BorghesiBLMB18	A. Borghesi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	Scheduling-based power capping in high performance computing systems	Yes	[78]	2018	Sustain. Comput. Informatics Syst.	13	1038	1243
FahimiOQ18 FahimiOQ18	H. Fahimi, Y. Ouellet, C. Quimper	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last	Yes	[132]	2018	Constraints An Int. J.	22	1050	1244
GedikKEK18 GedikKEK18	R. Gedik, D. Kalathia, G. Egilmez, E. Kirac	A constraint programming approach for solving unrelated parallel machine scheduling problem	Yes	[155]	2018	Comput. Ind. Eng.	11	1057	1245
GokgurHO18 GokgurHO18	B. Gökgür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	Yes	[169]	2018	Int. J. Prod. Res.	17	1059	1246
Ham18 Ham18	A. Ham	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming	Yes	[183]	2018	Transportation Research Part C: Emerging Technologies	14	1064	1247
LaborieRSV18 LaborieRSV18	P. Laborie, J. Rogerie, P. Shaw, P. Vilím	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	Yes	[252]	2018	Constraints An Int. J.	41	1086	1248
PourDERB18 PourDERB18	Shahrzad M. Pour, John H. Drake, Lena Secher Ejlertsen, Kourosh Marjani Rasmussen, Edmund K. Burke	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem	Yes	[347]	2018	Eur. J. Oper. Res.	12	1123	1249
ShinBBHO18 ShinBBHO18	Seung Yeob Shin, Y. Brun, H. Balasubramanian, Philip L. Henneman, Leon J. Osterweil	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling	Yes	[378]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16	1135	1250
TangLWSK18 TangLWSK18	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	Yes	[395]	2018	Comput. Aided Civ. Infrastructure Eng.	28	1142	1251
ZhangW18 ZhangW18	S. Zhang, S. Wang	Flexible Assembly Job-Shop Scheduling With Sequence-Dependent Setup Times and Part Sharing in a Dynamic Environment: Constraint Programming Model, Mixed-Integer Programming Model, and Dispatching Rules	Yes	[456]	2018	IEEE Trans. Engineering Management	18	1160	1252
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal	Yes	[246]	2017	Constraints An Int. J.	31	1084	1253
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Yes	[314]	2017	Constraints An Int. J.	18	1109	1254
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	Yes	[69]	2016	Intelligenza Artificiale	13	1036	1255
BridiBLMB16 BridiBLMB16	T. Bridi, A. Bartolini, M. Lombardi, M. Milano, L. Benini	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines	Yes	[83]	2016	IEEE Trans. Parallel Distributed Syst.	14	1040	1256

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DoulabiRP16 DoulabiRP16	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling	Yes	[123]	2016	INFORMS J. Comput.	17	1047	1257
NovaraNH16 NovaraNH16	Franco M. Novara, Juan M. Novas, Gabriela P. Henning	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation	Yes	[320]	2016	Comput. Chem. Eng.	17	1111	1258
ZarandiKS16 ZarandiKS16	M. H. Fazel Zarandi, H. Khorshidian, Mohsen Akbarpour Shirazi	A constraint programming model for the scheduling of JIT cross-docking systems with preemption	Yes	[451]	2016	J. Intell. Manuf.	17	1157	1259
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling	Yes	[131]	2015	CoRR	16	1049	1260
GoelSHFS15 GoelSHFS15	V. Goel, M. Slusky, Willem-Jan van Hoeve, Kevin C. Furman, Y. Shao	Constraint programming for LNG ship scheduling and inventory management	Yes	[168]	2015	Eur. J. Oper. Res.	12	1058	1261
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	Yes	[220]	2015	Constraints An Int. J.	2	1075	1262
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	Yes	[261]	2015	Constraints An Int. J.	52	1089	1263
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Yes	[313]	2015	Constraints An Int. J.	21	1108	1264
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems	Yes	[379]	2015	Constraints An Int. J.	2	1136	1265
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	Yes	[382]	2015	Constraints An Int. J.	23	1137	1266
WangMD15 WangMD15	T. Wang, N. Meskens, D. Duvivier	Scheduling operating theatres: Mixed integer programming vs. constraint programming	Yes	[434]	2015	Eur. J. Oper. Res.	13	1151	1267
BonfiettiLBM14 BonfiettiLBM14	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	CROSS cyclic resource-constrained scheduling solver	Yes	[72]	2014	Artif. Intell.	28	1037	1268
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	Yes	[176]	2014	Sustain. Comput. Informatics Syst.	16	1060	1269
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Yes	[224]	2014	Constraints An Int. J.	27	1076	1270
NovashH14 NovashH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming	Yes	[324]	2014	Expert Syst. Appl.	14	1115	1271
BegB13 BegB13	Mirza Omer Beg, Peter van Beek	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures	Yes	[46]	2013	ACM Trans. Embed. Comput. Syst.	23	1029	1272
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints	Yes	[195]	2013	Constraints An Int. J.	36	1068	1273
OzturkTHO13 OzturkTHO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines	Yes	[332]	2013	Constraints An Int. J.	36	1117	1274
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	Yes	[193]	2012	Constraints An Int. J.	12	1069	1275
LimtanyakulS12 LimtanyakulS12	K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Yes	[268]	2012	Constraints An Int. J.	32	1091	1276
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	Yes	[278]	2012	Constraints An Int. J.	35	1093	1277
LombardiM12a LombardiM12a	M. Lombardi, M. Milano	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling	Yes	[277]	2012	Artif. Intell.	10	1094	1278
NovashH12 NovashH12	Juan M. Novas, Gabriela P. Henning	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations	Yes	[323]	2012	Comput. Chem. Eng.	17	1114	1279
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems	Yes	[38]	2011	Constraints An Int. J.	5	1025	1280
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	Yes	[44]	2011	INFORMS J. Comput.	14	1027	1281

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BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demasse, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles	Yes	[50]	2011	Ann. Oper. Res.	24	1030	1282
BeniniLMR11	L. Benini, M. Lombardi, M. Milano, M. Ruggiero	Optimal resource allocation and scheduling for the CELL BE platform	Yes	[58]	2011	Ann. Oper. Res.	27	1033	1283
HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem	Yes	[182]	2011	Ann. Oper. Res.	16	1063	1284
KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming	Yes	[227]	2011	J. Intell. Manuf.	10	1077	1285
KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources	Yes	[239]	2011	Constraints An Int. J.	24	1082	1286
KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	Yes	[241]	2011	Constraints An Int. J.	24	1083	1287
SchausHMCMD11	P. Schaus, Pascal Van Hentenryck, J. Monette, C. Coffrin, L. Michel, Y. Deville	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Yes	[366]	2011	Constraints An Int. J.	23	1131	1288
SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator	Yes	[372]	2011	Constraints An Int. J.	33	1133	1289
TopalogluO11	S. Topaloglu, I. Ozkarahan	A constraint programming-based solution approach for medical resident scheduling problems	Yes	[406]	2011	Comput. Oper. Res.	10	1144	1290
TrojetHL11	M. Trojet, F. H'Mida, P. Lopez	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework	Yes	[409]	2011	Comput. Ind. Eng.	7	1145	1291
BartakCS10	R. Barták, O. Cepek, P. Surynek	Discovering implied constraints in precedence graphs with alternatives	Yes	[37]	2010	Ann. Oper. Res.	31	1024	1292
BartakSR10	R. Barták, Miguel A. Salido, F. Rossi	New trends in constraint satisfaction, planning, and scheduling: a survey	Yes	[39]	2010	Knowl. Eng. Rev.	31	1026	1293
LombardiM10a	M. Lombardi, M. Milano	Allocation and scheduling of Conditional Task Graphs	Yes	[275]	2010	Artif. Intell.	30	1092	1294
LopesCSM10	Tony Minoru Tamura Lopes, André A. Ciré, Cid Carvalho de Souza, Arnaldo Vieira Moura	A hybrid model for a multiproduct pipeline planning and scheduling problem	Yes	[280]	2010	Constraints An Int. J.	39	1095	1295
NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming	Yes	[322]	2010	Comput. Chem. Eng.	20	1113	1296
ZeballosQH10	L. Zeballos, O. Quiroga, Gabriela P. Henning	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations	Yes	[453]	2010	Eng. Appl. Artif. Intell.	20	1159	1297
BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	Yes	[65]	2009	Int. J. Intell. Inf. Database Syst.	19	1035	1298
GarridoAO09	A. Garrido, M. Arangú, E. Onaindia	A constraint programming formulation for planning: from plan scheduling to plan generation	Yes	[149]	2009	J. Sched.	30	1055	1299
RuggieroBBMA09	M. Ruggiero, D. Bertozzi, L. Benini, M. Milano, A. Andrei	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms	Yes	[361]	2009	IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.	14	1127	1300
abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint	Yes	[341]	2009	CoRR	12	1164	1301
GarridoOS08	A. Garrido, E. Onaindia, Óscar Sapena	Planning and scheduling in an e-learning environment. A constraint-programming-based approach	Yes	[150]	2008	Eng. Appl. Artif. Intell.	11	1056	1302
KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources	Yes	[238]	2008	Eng. Appl. Artif. Intell.	7	1081	1303
LiessM08	O. Liess, P. Michelon	A constraint programming approach for the resource-constrained project scheduling problem	Yes	[263]	2008	Ann. Oper. Res.	12	1090	1304
MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	Yes	[291]	2008	Int. J. Artif. Intell. Tools	18	1099	1305
Simonis07	H. Simonis	Models for Global Constraint Applications	Yes	[384]	2007	Constraints An Int. J.	30	1138	1306
Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness	Yes	[207]	2006	Constraints An Int. J.	19	1072	1307

Table 5: ARTICLES from bibtex (Total 167)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming	Yes	[229]	2006	Eur. J. Oper. Res.	15	1078	1308
SadykovW06 SadykovW06	R. Sadykov, Laurence A. Wolsey	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates	Yes	[364]	2006	INFORMS J. Comput.	9	1129	1309
SureshMOK06 SureshMOK06	S. Sundaram, V. Mani, S. N. Omkar, H. J. Kim	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach	Yes	[391]	2006	Int. J. Parallel Emergent Distributed Syst.	19	1141	1310
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling	Yes	[205]	2005	Constraints An Int. J.	17	1071	1311
VilimBC05 VilimBC05	P. Vilím, R. Barták, O. Cepek	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities	Yes	[426]	2005	Constraints An Int. J.	23	1147	1312
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources	Yes	[452]	2005	Inteligencia Artif.	10	1158	1313
PoderBS04 PoderBS04	E. Poder, N. Beldiceanu, E. Sanlaville	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption	Yes	[343]	2004	Eur. J. Oper. Res.	16	1120	1314
KuchcinskiW03 KuchcinskiW03	K. Kuchcinski, C. Wolinski	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming	Yes	[247]	2003	J. Syst. Archit.	15	1085	1315
Tsang03 Tsang03	Edward P. K. Tsang	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems	Yes	[410]	2003	J. Sched.	2	1146	1316
LorigeonBB02 LorigeonBB02	T. Lorigeon, J. Billaut, J. Bouquard	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint	Yes	[282]	2002	J. Oper. Res. Soc.	8	1097	1317
Timpe02 Timpe02	C. Timpe	Solving planning and scheduling problems with combined integer and constraint programming	Yes	[404]	2002	OR Spectr.	18	1143	1318
MartinPY01 MartinPY01	F. Martin, A. Pinkney, X. Yu	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application	Yes	[293]	2001	Ann. Oper. Res.	17	1100	1319
Mason01 Mason01	Andrew J. Mason	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling	Yes	[294]	2001	Ann. Oper. Res.	38	1101	1320
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes	Yes	[19]	2000	Eur. J. Oper. Res.	20	1019	1321
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	Yes	[31]	2000	Constraints An Int. J.	21	1023	1322
HeipckeCCS00 HeipckeCCS00	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza	Scheduling under Labour Resource Constraints	Yes	[198]	2000	Constraints An Int. J.	8	1070	1323
KorbaaYG00 KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	Yes	[236]	2000	Eur. J. Control	10	1080	1324
LopezAKYG00 LopezAKYG00	P. Lopez, H. Alla, O. Korbaa, P. Yim, J. Gentina	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina	Yes	[281]	2000	Eur. J. Control	4	1096	1325
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Yes	[365]	2000	Constraints An Int. J.	30	1130	1326
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	Yes	[367]	2000	Constraints An Int. J.	23	1132	1327
SourdN00 SourdN00	F. Sourd, W. Nuijten	Multiple-Machine Lower Bounds for Shop-Scheduling Problems	Yes	[386]	2000	INFORMS J. Comput.	12	1139	1328
BensanaLV99 BensanaLV99	E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	Yes	[59]	1999	Constraints An Int. J.	7	1034	1329
BelhadjiI98 BelhadjiI98	S. Belhadji, A. Isli	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	Yes	[53]	1998	Constraints An Int. J.	9	1031	1330

Table 5: ARTICLES from bibtex (Total 167)

Key	Authors	Title	LC	Cite	Year	Conference /Journal	Pages	b	c
NuijtenP98 NuijtenP98	W. Nuijten, Claude Le Pape	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler	Yes	[326]	1998	J. Heuristics	16	1116	1331
PapaB98 PapaB98	Claude Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	Yes	[335]	1998	Constraints An Int. J.	25	1119	1332
Darby-DowmanLMZ97 Darby-DowmanLMZ97	K. Darby-Dowman, J. Little, G. Mitra, M. Zaffalon	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Yes	[104]	1997	Constraints An Int. J.	20	1045	1333
FalaschiGMP97 FalaschiGMP97	M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators	Yes	[133]	1997	Inf. Comput.	27	1051	1334
LammaMM97 LammaMM97	E. Lamma, P. Mello, M. Milano	A distributed constraint-based scheduler	Yes	[256]	1997	Artif. Intell. Eng.	15	1088	1335
Zhou97 Zhou97	J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	Yes	[459]	1997	Constraints An Int. J.	29	1162	1336
Wallace96 Wallace96	M. Wallace	Practical Applications of Constraint Programming	Yes	[430]	1996	Constraints An Int. J.	30	1149	1337
AggounB93 AggounB93	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	Yes	[6]	1993	Mathematical and Computer Modelling	17	1016	1338
Tay92 Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	No	[399]	1992	Comput. J.	null	No	1339
DincbasSH90 DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck	Solving Large Combinatorial Problems in Logic Programming	Yes	[120]	1990	J. Log. Program.	19	1046	1340

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
AbohashimaEG21 [2]	14	scheduling, order, resource, setup-time, cmax, machine, transportation	parallel machine	cycle	Python	Gurobi			real-world, generated instance, github		879	1207
AbreuAPNM21 [107]	21	scheduling, completion-time, make-span, open-shop, order, setup-time, job, resource, task, machine, preempt, multi-agent, release-date, job-shop, distributed, cmax, tardiness, precedence, flow-shop	OSSP, single machine, Open Shop Scheduling Problem, parallel machine	noOverlap, cycle	Python, C++	OZ, Cplex	automotive, medical, patient	oil industry	generated instance, benchmark, real-world		880	1208
AbreuN22 [108]	20	preempt, make-span, transportation, order, tardiness, inventory, scheduling, flow-time, distributed, resource, completion-time, machine, setup-time, job, job-shop, task, flow-shop, open-shop, batch process, cmax	single machine, Open Shop Scheduling Problem, OSSP	noOverlap, cycle, cumulative	Python	OZ, Cplex	medical		real-world, benchmark		864	1192
AggounB93 [6]	17	task, machine, precedence, order, job, activity, due-date, job-shop, flow-shop, resource, scheduling		circuit, bin-packing, disjunctive, cumulative	Prolog	OPL, CHIP	perfect-square, rectangle-packing		real-world		1010	1338
AkramNHRSA23 [8]	16	resource, completion-time, preempt, scheduling, order, machine, task, distributed		cycle, bin-packing	Python	OR-Tools	medical, agriculture		benchmark		849	1177
AlfieriGPS23 [10]	13	setup-time, order, tardiness, flow-shop, job, make-span, distributed, flow-time, completion-time, job-shop, resource, precedence, earliness, scheduling, machine, inventory, transportation	single machine, parallel machine		Java	Cplex	patient		benchmark		850	1178
ArtiguesR00 [19]	20	no preempt, machine, preempt, release-date, job-shop, transportation, cmax, lateness, precedence, scheduling, completion-time, re-scheduling, make-span, resource, order, setup-time, job, activity, earliness, due-date	RCPSP	cycle, cumulative, disjunctive		OZ					993	1321
AstrandJZ20 [24]	13	resource, open-shop, task, machine, precedence, flow-shop, job-shop, re-scheduling, make-span, order, setup-time, job, activity, scheduling, completion-time, due-date	parallel machine	alldifferent, disjunctive, cycle	C++	OZ, Gecode	robot	potash industry, mining industry, mineral industry	benchmark, real-world, real-life		891	1219
BadicaBI20 [25]	17	machine, activity, make-span, manpower, completion-time, resource, precedence, scheduling, distributed, task, order	psplib	bin-packing, cycle	Prolog	Gecode, ECLiPSe			real-world, benchmark		892	1220

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BaptisteB18 [28]	10	resource, task, machine, preempt, manpower, lazy clause generation, precedence, scheduling, make-span, order, job	parallel machine, RCPSP, psplib	cumulative, bin-packing		CHIP				time-tabling, edge-finding, edge-finder	914	1242
BaptisteP00 [31]	21	resource, task, preempt, cmax, precedence, release-date, flow-shop, job-shop, scheduling, re-scheduling, make-span, order, job, activity, due-date	RCPSP	disjunctive, cumulative	C++	Claire, Ilog Scheduler, CHIP			benchmark	edge-finding, edge-finder, energetic reasoning	994	1322
BartakCS10 [37]	31	resource, setup-time, task, job-shop, scheduling, machine, activity, flow-shop, order, job, precedence	RCPSP	disjunctive	Prolog	SICStus			benchmark, real-life, real-world		964	1292
BartakS11 [38]	5	distributed, resource, scheduling, task, multi-agent, order		cumulative		OPL			random instance, real-world, real-life		952	1280
BartakSR10 [39]	31	scheduling, machine, preempt, activity, flow-shop, order, temporal constraint reasoning, completion-time, make-span, cmax, job, precedence, release-date, open-shop, distributed, tardiness, resource, task, lateness, job-shop, multi-agent, due-date	TCSP, single machine, Temporal Constraint Satisfaction Problem	cumulative, disjunctive		CPO, Choco Solver, OPL	robot		real-life, real-world	edge-finding, not-last, sweep, not-first	965	1293
BeckFW11 [44]	14	order, cmax, scheduling, resource, completion-time, machine, job, job-shop, precedence, preempt, make-span		disjunctive, table constraint, cumulative	C++	Ilog Scheduler			real-world, benchmark		953	1281
Bedhief21 [45]	7	setup-time, preempt, no preempt, sequence dependent setup, due-date, transportation, flow-shop, scheduling, make-span, completion-time, machine, job, order, release-date, tardiness	single machine, parallel machine	noOverlap		OZ, OPL, Cplex	robot, medical		real-life		881	1209
BegB13 [46]	23	scheduling, re-scheduling, machine, resource, task, completion-time, order, distributed	TMS	cycle			pipeline		benchmark		944	1272
BeldiceanuCDP11 [50]	24	cmax, preempt, resource, task, order, scheduling		diffn, geost, disjunctive, cumulative, bin-packing	Prolog	SICStus, CHIP	rectangle-packing, perfect-square		benchmark	edge-finding, sweep, energetic reasoning	954	1282
BelhadjiI98 [53]	9	precedence, release-date, job-shop, order, job, scheduling, resource, task, machine, preempt, due-date	Temporal Constraint Satisfaction Problem, TCSP, JSSP	disjunctive					real-life		1002	1330

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
BenediktMH20 [55]	19	preempt, order, job, re-scheduling, task, job-shop, scheduling, machine	single machine	noOverlap, endBeforeStart		Gurobi	robot		github, benchmark, random instance, generated instance		893	1221
BeniniLMR11 [58]	27	resource, order, activity, task, machine, preempt, release-date, tardiness, precedence, scheduling, re-scheduling, make-span	SCC, single machine	table constraint, cumulative, circuit		Ilog Scheduler, Cplex, OZ	pipeline		benchmark, real-world, instance generator		955	1283
BensanaLV99 [59]	7	order		cycle		Cplex, Ilog Solver	satellite, earth observation		benchmark		1001	1329
BocewiczBB09 [65]	19	job-shop, resource, multi-agent, precedence, scheduling, machine, transportation, order, tardiness, job, task, distributed, completion-time		cycle		OZ	robot			not-last	970	1298
Bonfietti16 [69]	13	order, activity, scheduling, resource, task, distributed, precedence		disjunctive, cumulative, circuit	C++	OZ	pipeline		benchmark		927	1255
BonfiettiLBM14 [72]	28	buffer-capacity, scheduling, order, job, resource, make-span, activity, distributed, machine, precedence, task, job-shop	RCPSP	circuit, cumulative, cycle		Ilog Solver	pipeline, hoist, robot, medical		real-world, generated instance, industrial instance, benchmark	time-tabling, sweep	940	1268
BorghesiBLMB18 [78]	13	job, re-scheduling, make-span, resource, distributed, activity, task, machine, scheduling, order		cumulative, cycle			super-computer		benchmark, real-life		915	1243
BourreauGGLT22 [81]	19	re-scheduling, scheduling, order, manpower, job, resource, precedence, transportation		disjunctive, alldifferent, diffn, cycle	C++	OZ, Choco Solver, Cplex, CHIP	crew-scheduling, nurse		real-world, benchmark		865	1193
BridiBLMB16 [83]	14	re-scheduling, make-span, job, scheduling, resource, order, machine, activity, distributed, tardiness		cycle, cumulative, circuit		OZ	medical, super-computer		real-world, real-life		928	1256
Caballero23 [87]	1	resource, scheduling	RCPSP								851	1179
CampeauG22 [88]	18	task, order, activity, make-span, completion-time, precedence, resource, job, scheduling	RCPSP, RCPSPDC	alwaysIn, noOverlap, endBeforeStart, cumulative, cycle	Python	Cplex, OZ		mining industry	real-life, real-world	edge-finding	866	1194
ColT22 [100]	19	no preempt, tardiness, task, order, transportation, due-date, flow-shop, completion-time, distributed, preempt, scheduling, precedence, make-span, machine, batch process, resource, job, open-shop, job-shop, lateness, setup-time	single machine, PMSP, Open Shop Scheduling Problem, FJS, JSSP, OSSP, parallel machine	alldifferent, cumulative, noOverlap, circuit, disjunctive	Java, C++	MiniZinc, CPO, OR-Tools, Cplex, OPL	robot, semiconductor, oven scheduling		generated instance, supplementary material, github, real-life, benchmark, real-world		867	1195

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
CzerniachowskaWZ23 [102]	14	setup-time, transportation, flow-shop, machine, activity, order, completion-time, task, job, resource, job-shop, make-span, scheduling	PTC, JSSP, parallel machine	endBeforeStart, noOverlap		OPL, OZ, Cplex, CPO	automotive, robot	manufacturing industry, pharmaceutical industry, automotive industry	benchmark, Roadef, real-world		852	1180
Darby-DowmanLMZ97 [104]	20	machine, scheduling, order, task, make-span, resource	MGAP, single machine	span constraint, disjunctive	Prolog	Cplex, ECLiPSe	pipeline, aircraft		real-life, real-world, benchmark		1005	1333
DincbasSH90 [120]	19	task, machine, job-shop, distributed, precedence, scheduling, resource, order, job		circuit, disjunctive	Prolog	CHIP, OPL			real-life		1012	1340
DoulabiRP16 [123]	17	scheduling, resource, machine, distributed, transportation, order	single machine	cycle, bin-packing		OPL, Cplex	nurse, medical, patient, steel mill, rectangle-packing, crew-scheduling, robot		real-world, generated instance		929	1257
EscobetPQPRA19 [129]	10	task, job-shop, release-date, scheduling, order, batch process, job, resource, activity, distributed, machine, due-date		alternative constraint, noOverlap, circuit, cycle		OPL, Cplex	energy-price, dairy	food industry, manufacturing industry			903	1231
EvenSH15a [131]	16	preempt, distributed, transportation, resource, scheduling, completion-time, task, machine, order		disjunctive, cumulative	Java	Choco Solver, OPL			real-world, real-life	sweep	932	1260
FahimiOQ18 [132]	22	completion-time, resource, job, precedence, batch process, lazy clause generation, open-shop, scheduling, distributed, setup-time, task, order, lateness, job-shop, due-date, machine, preempt, make-span, sequence dependent setup	RCPSP, psplib	cumulative, disjunctive, alldifferent		Choco Solver			benchmark, random instance	not-last, time-tabling, sweep, edge-finding, not-first	916	1244
FalaschiGMP97 [133]	27	order, scheduling			Prolog						1006	1334
FallahiAC20 [134]	18	order, resource, task, transportation, scheduling		cycle		OR-Tools, OZ	robot, nurse, medical, container terminal		github, real-life	sweep	894	1222
FanXG21 [135]	15	due-date, no preempt, preempt, tardiness, job, order, batch process, machine, task, earliness, completion-time, flow-shop, distributed, precedence, setup-time, resource, make-span, job-shop, scheduling, flow-time	single machine, parallel machine	cycle	Java, Python	OZ, ECLiPSe, Cplex, Gurobi	semiconductor	manufacturing industry	benchmark	max-flow	882	1210

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
FetgoD22 [138]	32	task, precedence, cmax, preempt, lazy clause generation, make-span, order, scheduling, resource, completion-time	CuSP, RCPSP	cumulative	Python, Java	OZ, CHIP, Choco Solver			benchmark, real-world	not-first, not-last, energetic reasoning, edge-finding, sweep, edge-finder, time-tabling	870	1198
GarridoAO09 [149]	30	re-scheduling, precedence, scheduling, make-span, resource, order, task		disjunctive	Java	CPO, OPL, Choco Solver			benchmark		971	1299
GarridoOS08 [150]	11	scheduling, make-span, resource, order, activity, task, machine			Java, C	Choco Solver, CPO			real-world		974	1302
GedikKEK18 [155]	11	cmax, resource, job, setup-time, due-date, scheduling, tardiness, task, order, machine, preempt, make-span, sequence dependent setup, completion-time, transportation	single machine, parallel machine, PMSP	cumulative, noOverlap		Cplex, OZ	nurse, medical	manufacturing industry	benchmark		917	1245
GoelSHFS15 [168]	12	precedence, resource, inventory, setup-time, scheduling, activity, task, order, transportation, machine		cumulative, noOverlap, disjunctive, alwaysIn		OPL, Cplex, CPO	pipeline				933	1261
GokgurHO18 [169]	17	setup-time, task, earliness, job-shop, due-date, scheduling, machine, preempt, activity, flow-shop, order, completion-time, transportation, make-span, cmax, job, precedence, release-date, tardiness, resource	single machine, parallel machine	alternative constraint, cumulative, disjunctive		OZ, OPL, CHIP	robot, semiconductor		real-life, real-world	not-first, edge-finding, energetic reasoning, not-last	918	1246
GrimesIOS14 [176]	16	completion-time, due-date, resource, task, machine, preempt, distributed, re-scheduling, order, activity, scheduling		disjunctive		Cplex, CHIP	energy-price, real-time pricing, HVAC		real-world, real-life		941	1269
GurEA19 [465]	24	order, distributed, resource, job-shop, scheduling, re-scheduling, job, completion-time				OZ, Cplex	patient, medical		real-life		904	1232
GurPAE23 [181]	25	re-scheduling, order, scheduling, distributed, resource, inventory, machine		cumulative		OPL, Cplex, OZ	physician, patient, COVID, nurse		real-life		853	1181
HachemiGR11 [182]	16	task, precedence, job-shop, transportation, make-span, scheduling, resource, order, job, activity		cycle, alldifferent		OPL, Ilog Scheduler, Cplex	crew-scheduling, forestry	food industry			956	1284

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Ham18 [183]	14	cmax, precedence, batch process, resource, completion-time, make-span, scheduling, machine, inventory, transportation, job-shop, job, distributed, sequence dependent setup, due-date, task, order	parallel machine	cumulative, noOverlap, endBeforeStart, disjunctive, cycle		Cplex, OPL	robot, aircraft, semiconductor				919	1247
HamPK21 [184]	12	distributed, precedence, cmax, setup-time, resource, make-span, job-shop, scheduling, sequence dependent setup, tardiness, re-scheduling, order, machine, task, job, completion-time, flow-shop	parallel machine, single machine, FJS	noOverlap, endBeforeStart, cycle		OPL, Cplex	robot, agriculture, semiconductor		benchmark, github		883	1211
HauderBRPA19 [186]	62	scheduling, order, tardiness, flow-shop, job, make-span, task, completion-time, release-date, job-shop, resource, activity, precedence, earliness, machine, inventory, transportation, due-date, setup-time	RCPSP, FJS	cycle, endBeforeStart, cumulative		Cplex, OPL, OZ	aircraft	food-processing industry, steel industry	real-world, benchmark, industry partner		905	1233
HeinzNVH22 [196]	16	activity, make-span, job, precedence, re-scheduling, distributed, resource, setup-time, scheduling, preempt, sequence dependent setup, flow-shop, task, order, completion-time, machine	parallel machine	cumulative, noOverlap, alternative constraint		Gurobi	robot, crew-scheduling		real-world, generated instance, benchmark, gitlab		871	1199
HeinzSB13 [195]	36	preempt, due-date, resource, scheduling, precedence, order, completion-time, machine, job, release-date	RCPSP, single machine, psplib	disjunctive, cumulative		MiniZinc, Cplex	satellite		benchmark	time-tabling, edge-finding	945	1273
HeinzSSW12 [193]	12	inventory, task, order		bin-packing		Cplex	steel mill	steel industry, process industry	real-world, CSPLib		947	1275
HeipckeCCS00 [198]	8	make-span, release-date, resource, activity, precedence, completion-time, job-shop, due-date, preempt, scheduling, order, machine, job, task	single machine, RCPSP	disjunctive, cumulative					benchmark, instance generator		995	1323
Hooker05 [205]	17	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, distributed, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance	edge-finding	983	1311
Hooker06 [207]	19	machine, job, task, precedence, release-date, due-date, make-span, order, tardiness, scheduling, resource		cumulative, circuit, disjunctive		Cplex, OPL, Ilog Scheduler			random instance		979	1307
HubnerGSV21 [211]	22	completion-time, resource, order, job, inventory, activity, due-date, task, machine, preempt, transportation, cmax, tardiness, make-span, precedence, scheduling	RCPSPDC, RCPSP	cycle, cumulative, endBeforeStart, alternative constraint	C	Gurobi, Cplex, OPL	automotive		benchmark, real-life		884	1212

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
IsikYA23 [213]	28	tardiness, scheduling, machine, distributed, job, resource, completion-time, flow-shop, batch process, setup-time, job-shop, release-date, due-date, task, precedence, transportation, earliness, order, cmax, sequence dependent setup, preempt, make-span	parallel machine, single machine	circuit, noOverlap, cumulative, endBeforeStart		OPL, Cplex, OZ	medical, robot	steel industry	real-world, benchmark, generated instance, real-life	energetic reasoning	854	1182
Kameugne15 [220]	2	resource, scheduling, task, preempt, completion-time		cumulative						not-last, edge-finding, not-first	934	1262
KameugneFSN14 [224]	27	job-shop, release-date, resource, precedence, job, order, preempt, scheduling, make-span, completion-time, task	RCPSP, psplib, CuSP	disjunctive, cumulative		CHIP, Gecode			random instance, benchmark	energetic reasoning, edge-finding, not-last, not-first, edge-finder, time-tabling	942	1270
KelbelH11 [227]	10	release-date, inventory, earliness, due-date, preempt, job-shop, resource, scheduling, make-span, distributed, task, precedence, order, completion-time, machine, tardiness, job	JSSP	cumulative, disjunctive		Ilog Solver, OPL, Cplex			benchmark, random instance, generated instance	edge-finder, edge-finding	957	1285
KhayatLR06 [229]	15	job-shop, due-date, scheduling, preempt, task, order, machine, activity, make-span, cmax, job, precedence, resource, setup-time				OPL, Cplex			real-life, benchmark		980	1308
KoehlerBFFHPSSS21 [234]	51	flow-shop, scheduling, lateness, job, task, make-span, machine, tardiness, precedence, resource, job-shop, flow-time, order	CTW, single machine	cycle, circuit, cumulative, disjunctive, alldifferent	C , Python	Z3, MiniZinc, OPL, Cplex, Gurobi, OR-Tools, Chuffed	cable tree, automotive, robot		real-world, benchmark, github		885	1213
KorbAAYG00 [236]	10										996	1324
KovacsB08 [238]	7	order, tardiness, job, activity, preempt, release-date, resource, scheduling, completion-time, machine	single machine	bin-packing, disjunctive, cumulative, cycle		Ilog Scheduler, Ilog Solver	aircraft		benchmark	sweep	975	1303
KovacsB11 [239]	24	flow-time, precedence, order, tardiness, job, activity, preempt, release-date, earliness, distributed, due-date, job-shop, flow-shop, resource, scheduling, make-span, completion-time, machine	parallel machine, single machine	disjunctive, cumulative, cycle	C++	Ilog Scheduler, Ilog Solver			benchmark	edge-finding	958	1286

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
KovacsK11 [241]	24	tardiness, job, release-date, earliness, sequence dependent setup, due-date, job-shop, transportation, flow-shop, resource, scheduling, completion-time, task, machine, order	single machine	cycle	C++	Ilog Solver, Gecode, Cplex					959	1287
KreterSS17 [246]	31	scheduling, task, order, machine, preempt, activity, make-span, completion-time, precedence, resource, lazy clause generation	RCPSP, parallel machine	cycle, alwaysIn, cumulative, diffn		CPO, Cplex, MiniZinc, CHIP, Chuffed			benchmark	edge-finding	925	1253
KuchcinskiW03 [247]	15	scheduling, precedence, resource, distributed, order		cycle, circuit	Java		pipeline		benchmark		987	1315
LaborieRSV18 [252]	41	release-date, job-shop, resource, activity, precedence, sequence dependent setup, earliness, scheduling, machine, inventory, transportation, manpower, due-date, setup-time, batch process, order, tardiness, flow-shop, job, make-span, re-scheduling, task, distributed	psplib, parallel machine, RCPSP	alternative constraint, cumulative, noOverlap, disjunctive, span constraint, cycle, alwaysIn, endBeforeStart	C , Python, C++, Java	CHIP, Gecode, Ilog Solver, Cplex, Ilog Scheduler, OPL, Choco Solver, CPO	semiconductor, railway, container terminal, satellite, robot, pipeline, aircraft	chemical industry, petro-chemical industry	real-world, CSPLib, benchmark	edge-finding	920	1248
LacknerMMWW23 [254]	42	release-date, batch process, setup-time, job, order, due-date, tardiness, scheduling, make-span, machine, task, lateness, job-shop, earliness	parallel machine, OSP, single machine	alternative constraint, disjunctive, bin-packing, noOverlap, cumulative, endBeforeStart		Chuffed, Cplex, OPL, CPO, OR-Tools, MiniZinc, Gurobi	semiconductor, oven scheduling	electronics industry, steel industry, manufacturing industry	random instance, industrial partner, benchmark, instance generator, zenodo, real-life	time-tabling	855	1183
LammaMM97 [256]	15	job-shop, resource, scheduling, precedence, order, task, job, distributed		circuit, disjunctive	C++, Prolog	ECLiPSe, OPL, CHIP	railway		real-life		1007	1335
LetortCB15 [261]	52	machine, make-span, job, precedence, resource, scheduling, task, order	psplib	cumulative, cycle, bin-packing	Java, Prolog	Choco Solver, CHIP, SICStus			generated instance, RoadeF, benchmark, random instance	energetic reasoning, sweep, edge-finding	935	1263
LiessM08 [263]	12	preempt, resource, scheduling, machine, job, activity, precedence, job-shop, task, make-span, order, cmax	RCPSP, psplib	disjunctive, cumulative	C++	OZ			benchmark	edge-finding	976	1304
LimtanyakulS12 [268]	32	release-date, scheduling, order, completion-time, job, resource, activity, tardiness, machine, due-date, precedence		table constraint, disjunctive, bin-packing, cumulative		OZ, Ilog Scheduler, Cplex	robot, automotive	automotive industry	random instance, real-life, generated instance, industrial partner, benchmark	not-last, energetic reasoning, not-first, edge-finding	948	1276
LombardiM10a [275]	30	due-date, distributed, order, job, make-span, release-date, re-scheduling, task, completion-time, resource, activity, precedence, preempt, scheduling, machine	TCSP	cycle, span constraint, cumulative, disjunctive, table constraint	C	Cplex			real-world, benchmark, real-life	sweep	966	1294

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
LombardiM12 [278]	35	precedence, flow-shop, job-shop, transportation, completion-time, re-scheduling, make-span, sequence dependent setup, order, setup-time, job, activity, earliness, scheduling, due-date, resource, task, machine, inventory, preempt, distributed, manpower, lazy clause generation, tardiness	parallel machine, RCPSP, psplib	cycle, disjunctive, cumulative, circuit		OZ, OR-Tools	aircraft	chemical industry	real-world, benchmark	energetic reasoning, edge-finding	949	1277
LombardiM12a [277]	10	order, make-span, completion-time, resource, activity, precedence, producer/consumer, scheduling	psplib, RCPSP	disjunctive		Ilog Solver			benchmark		950	1278
LopesCSM10 [280]	39	distributed, stock level, resource, inventory, job-shop, due-date, scheduling, activity, task, order, transportation, make-span, job, precedence, re-scheduling		disjunctive, table constraint, cycle, alldifferent	C++	Ilog Scheduler, Ilog Solver, OZ, OPL	pipeline	oil industry	benchmark, real-world	max-flow	967	1295
LopezAKYG00 [281]	4										997	1325
LorigeonBB02 [282]	8	setup-time, preempt, scheduling, machine, order, flow-shop, job, cmax, make-span, open-shop, completion-time, resource, activity	parallel machine, Open Shop Scheduling Problem			OZ, Cplex, OPL					989	1317
LunardiBLRV20 [283]	20	scheduling, due-date, make-span, machine, completion-time, job-shop, flow-shop, resource, precedence, setup-time, activity, re-scheduling, job, order, tardiness, preempt	FJS	endBeforeStart, noOverlap	Python	Cplex			benchmark, random instance, generated instance, github		895	1223
MalikMB08 [291]	18	distributed, resource, scheduling, machine, precedence, order		cycle			pipeline		benchmark	edge-finding	977	1305
MartinPY01 [293]	17	scheduling, task, order, machine, transportation, re-scheduling, resource		circuit	Prolog	ECLiPSe, Ilog Solver	railway, aircraft		real-life		991	1319
Mason01 [294]	38	scheduling, order, task, activity, transportation				OPL, OZ, Cplex	railway, crew-scheduling, nurse				992	1320
MengZRZL20 [297]	13	earliness, job-shop, scheduling, machine, preempt, sequence dependent setup, flow-time, flow-shop, order, completion-time, transportation, make-span, cmax, job, precedence, batch process, open-shop, distributed, tardiness, resource, no preempt, setup-time, task	Open Shop Scheduling Problem, OSP, parallel machine, FJS	alternative constraint, noOverlap, endBeforeStart		OPL, Gecode, Gurobi, OR-Tools, Cplex	robot, semiconductor		supplementary material, benchmark		896	1224

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
MokhtarzadehTNF20 [300]	14	task, make-span, multi-agent, setup-time, distributed, manpower, precedence, resource, completion-time, machine, scheduling, order, job	parallel machine	alldifferent, cycle, circuit		Cplex	robot, crew-scheduling		generated instance, real-world	time-tabling	897	1225
MontemanniD23 [304]	13	resource, distributed, order, scheduling, machine, task		circuit	Python	OPL, OR-Tools, Gurobi	robot		benchmark, supplementary material		856	1184
MontemanniD23a [303]	20	order, completion-time, task, transportation, scheduling		circuit	Python	OR-Tools			benchmark		857	1185
MullerMKP22 [308]	18	precedence, job-shop, batch process, scheduling, completion-time, make-span, order, setup-time, job, activity, due-date, resource, task, machine, preempt, cmax	FJS	disjunctive, circuit	Java, Python	Chuffed, MiniZinc, OZ, Gecode, Choco Solver, OPL, Cplex, OR-Tools	robot, semiconductor		benchmark, random instance, real-world, github		872	1200
NaderiRR23 [312]	27	preempt, sequence dependent setup, flow-shop, task, order, earliness, transportation, machine, make-span, cmax, completion-time, job, precedence, re-scheduling, distributed, resource, setup-time, job-shop, open-shop, due-date, scheduling, tardiness	RCPSP, FJS, OSP, Open Shop Scheduling Problem, PMSP, PTC, single machine, parallel machine	cumulative, noOverlap, endBeforeStart, disjunctive, alternative constraint	Python	CPO, OZ, Z3, Gurobi, Cplex	crew-scheduling, automotive		github, benchmark		858	1186
NattafAL15 [313]	21	resource, release-date, due-date, scheduling, preempt, task, order, activity, make-span	CECSP, CuSP, RCPSP	cumulative	C++	Cplex			generated instance	in-sweep, energetic reasoning	936	1264
NattafAL17 [314]	18	resource, release-date, scheduling, task, order, activity, make-span, job	CECSP	disjunctive, cumulative	C++	Cplex			real-world	edge-finding, energetic reasoning	926	1254
NishikawaSTT19 [319]	16	re-scheduling, make-span, order, preempt, resource, activity, task, distributed, machine, precedence, scheduling	parallel machine	cumulative, alternative constraint		Cplex, OZ	pipeline, robot		real-world, benchmark		906	1234
NovaraNH16 [320]	17	earliness, machine, make-span, job, precedence, batch process, re-scheduling, tardiness, resource, setup-time, due-date, scheduling, activity, sequence dependent setup, manpower, task, order, completion-time		cumulative, noOverlap, endBeforeStart, disjunctive, alternative constraint		OPL, Cplex		pharmaceutical industry	CSPlib, benchmark		930	1258

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
Novas19 [321]	13	inventory, lateness, setup-time, resource, make-span, scheduling, flow-shop, transportation, flow-time, precedence, cmax, release-date, job-shop, sequence dependent setup, due-date, machine, task, tardiness, job, completion-time, activity, order, distributed	parallel machine, FJS	cycle, cumulative, noOverlap, endBeforeStart		OPL, Cplex, OZ	medical, semiconductor, robot		benchmark		907	1235
NovasH10 [322]	20	precedence, batch process, due-date, re-scheduling, make-span, earliness, order, tardiness, scheduling, resource, completion-time, machine, setup-time, lateness, job, task, manpower, activity				OZ, Ilog, OPL, Scheduler	pipeline				968	1296
NovasH12 [323]	17	precedence, make-span, transportation, order, scheduling, resource, completion-time, machine, job, task, activity		cycle		Ilog, Solver, OZ, OPL, Scheduler	semiconductor robot, hoist, electroplating, container terminal				951	1279
NovasH14 [324]	14	precedence, make-span, transportation, order, scheduling, buffer-capacity, resource, completion-time, machine, job, job-shop, task, activity	parallel machine, single machine			Ilog, Solver, OPL, Scheduler	robot		benchmark		943	1271
NuijtenP98 [326]	16	resource, setup-time, job-shop, scheduling, preempt, manpower, flow-shop, task, order, completion-time, transportation, machine, make-span, job, precedence	JSSP, single machine	disjunctive	C++	Ilog, Solver, Scheduler, OPL	satellite		real-life	edge-finding	1003	1331
OzturkTHO13 [332]	36	order, setup-time, job, activity, scheduling, completion-time, resource, task, machine, preempt, cmax, precedence, flow-shop, make-span	SBSFMMAL	cycle, disjunctive, cumulative		OPL, Cplex, CHIP, Ilog, Solver, OZ			real-world, real-life	edge-finding	946	1274
PandeyS21a [333]	29	make-span, re-scheduling, job, precedence, distributed, resource, task, scheduling, machine, activity, flow-shop, order, completion-time	single machine, parallel machine, PMSP	cumulative, endBeforeStart, alternative constraint		OPL, Cplex, OZ	semiconductor		benchmark		886	1214
PapaB98 [335]	25	due-date, preempt, machine, re-scheduling, job, activity, order, task, make-span, completion-time, scheduling, flow-shop, distributed, cmax, setup-time, resource, job-shop	PJSSP, JSSP	cumulative, table constraint, disjunctive	C++	Ilog, Solver, CHIP, Claire	hoist		benchmark	edge-finder, energetic reasoning, edge-finding	1004	1332
PoderBS04 [343]	16	precedence, due-date, resource, scheduling, precedence, order, task, machine, activity, producer/consumer, release-date	RCPSP	cumulative	Prolog	CHIP		chemical industry			986	1314

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
PohlAK22 [344]	16	resource, activity, completion-time, setup-time, lateness, release-date, precedence, transportation, earliness, order, sequence dependent setup, re-scheduling, tardiness, inventory, scheduling, machine, job	SCC, single machine	noOverlap, cumulative	Python	Gurobi, Cplex, OZ	aircraft		benchmark, real-world		873	1201
Polo-MejiaALB20 [345]	18	cmax, resource, preempt, precedence, earliness, tardiness, task, due-date, job, order, activity, release-date, make-span, machine, scheduling, completion-time, setup-time	RCPSP	alternative constraint, alwaysIn, cumulative, noOverlap, disjunctive, endBeforeStart	C++	Cplex, CPO			Roadef, github		898	1226
PourDERB18 [347]	12	scheduling, task, order, machine, transportation, job				Cplex, OR-Tools	crew-scheduling, railway		real-life, benchmark, real-world, generated instance		921	1249
PrataAN23 [351]	17	machine, tardiness, job, lateness, activity, re-scheduling, flow-time, setup-time, release-date, inventory, earliness, sequence dependent setup, distributed, due-date, preempt, job-shop, batch process, flow-shop, resource, scheduling, make-span, open-shop, completion-time, task, precedence, order	single machine, parallel machine, Open Shop Scheduling Problem	circuit, cumulative		OZ, CHIP	robot, aircraft, energy-price, dairy	manufacturing industry	benchmark, real-world, real-life	time-tabling	846	1174
QinDCS20 [354]	18	transportation, order, cmax, tardiness, scheduling, resource, completion-time, machine, setup-time, job, task, activity, precedence, make-span	parallel machine	endBeforeStart, cycle, noOverlap		Cplex, OPL	yard crane, container terminal		real-life, benchmark		899	1227
QinWSLS21 [353]	12	preempt, job-shop, flow-shop, batch process, scheduling, make-span, order, cmax, completion-time, machine, tardiness, job, lateness	single machine		C++	OZ, OPL, Cplex	agriculture, semiconductor				887	1215
RuggieroBBMA09 [361]	14	scheduling, order, resource, activity, preempt, setup-time, distributed, machine, precedence, task		circuit, cumulative, cycle		OZ, Ilog Solver, Ilog Scheduler, Cplex	pipeline, satellite		instance generator, real-life		972	1300
SacramentoSP20 [362]	33	preempt, distributed, machine, precedence, task, flow-shop, job-shop, open-shop, transportation, scheduling, order, completion-time, job, resource, make-span, activity	parallel machine, Open Shop Scheduling Problem	disjunctive, cumulative, alternative constraint, endBeforeStart, noOverlap	Java	Cplex, OZ, CPO	container terminal		benchmark, real-life, zenodo, real-world		900	1228
SadykovW06 [364]	9	scheduling, lateness, due-date, machine, completion-time, job, release-date	single machine, parallel machine	disjunctive		CHIP	robot		generated instance		981	1309

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SakkoutW00 [365]	30	scheduling, distributed, task, order, job-shop, machine, preempt, activity, precedence, transportation, re-scheduling, resource, job	KRFP, single machine	bin-packing, disjunctive		CHIP, Cplex	aircraft		benchmark, real-world	edge-finding, edge-finder	998	1326
SchausHMCMD11 [366]	23	order, task	SCC	bin-packing			steel mill	steel industry	benchmark, CSPLib, generated instance		960	1288
SchildW00 [367]	23	distributed, job-shop, flow-shop, resource, scheduling, completion-time, task, machine, precedence, order, job	single machine	disjunctive, cycle, bin-packing		OZ, Ilog Solver	automotive	automotive industry, aerospace industry		time-tabling, edge-finding	999	1327
SchuttFSW11 [372]	33	scheduling, completion-time, resource, open-shop, order, task, machine, preempt, activity, lazy clause generation, precedence, make-span	psplib, RCPSP	disjunctive, cumulative, circuit, span constraint		Ilog Scheduler, ECLiPSe, CHIP, SICStus, OZ			benchmark, real-world	not-last, not-first, edge-finding, edge-finder	961	1289
ShaikhK23 [376]	12	order, job, activity, re-scheduling, distributed, job-shop, resource, scheduling, open-shop, task, machine					medical		benchmark, real-world	time-tabling	859	1187
ShinBBHO18 [378]	16	scheduling, task, order, machine, preempt, activity, transportation, resource, inventory, job					patient, physician, medical, nurse		github, real-world		922	1250
Siala15 [379]	2	resource, scheduling		disjunctive					benchmark		937	1265
SimoninAHL15 [382]	23	resource, activity, precedence, preempt, scheduling, order, inventory, transportation, task, make-span		disjunctive, span constraint, cumulative, cycle		CHIP	earth observation, satellite, pipeline, robot			sweep	938	1266
Simonis07 [384]	30	due-date, job-shop, batch process, transportation, resource, scheduling, make to order, task, machine, producer/consumer, order, bill of material, job, activity, re-scheduling, setup-time, release-date, sequence dependent setup		disjunctive, cumulative, alldifferent, cycle, diffn, bin-packing	Prolog	OZ, OPL, CHIP, Ilog Scheduler	aircraft, patient, nurse, medical			time-tabling, sweep, bi-partite matching	978	1306
SourdN00 [386]	12	make-span, order, scheduling, resource, completion-time, machine, setup-time, job, job-shop, flow-shop, precedence, open-shop, cmax, release-date, preempt	single machine, JSSP	disjunctive, cumulative		Ilog Scheduler	robot		real-life, benchmark	edge-finding, not-first	1000	1328
SubulanC22 [388]	38	scheduling, tardiness, task, order, due-date, machine, preempt, activity, make-span, BOM, completion-time, precedence, transportation, resource, inventory	RCPSP	endBeforeStart, cumulative		Cplex, OZ, OPL	offshore		real-life, benchmark, real-world		875	1203

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
SureshMOK06 [391]	19	distributed, scheduling, buffer-capacity, order, job, task, machine		cumulative, cycle		Z3, OZ					982	1310
TangLWSK18 [395]	28	scheduling, task, order, preempt, activity, job, transportation, re-scheduling, resource	RCPSP	cycle, circuit	C	Cplex, OZ, OPL	crew-scheduling, railway, pipeline				923	1251
Timpe02 [404]	18	due-date, order, machine, inventory, task, job, activity, stock level, setup-time, resource, make-span, scheduling, producer/consumer		cumulative, disjunctive, diffn, cycle	C++	CHIP, Cplex		chemical industry			990	1318
TopalogluO11 [406]	10	order, re-scheduling, task, distributed, transportation, preempt, scheduling				Cplex, OPL, OZ, Ilog Solver	nurse, medical, physician, patient		real-life	time-tabling	962	1290
TrojetHL11 [409]	7	order, job-shop, machine, activity, make-span, completion-time, job, precedence, distributed, resource, due-date, scheduling, task	RCPSP	cumulative, diffn, disjunctive, cycle, alldifferent	Prolog	OZ, CHIP, SICStus	robot		real-world		963	1291
Tsang03 [410]	2	resource, scheduling							real-life	time-tabling	988	1316
VilimBC05 [426]	23	setup-time, sequence dependent setup, distributed, job-shop, batch process, resource, scheduling, make-span, open-shop, completion-time, task, machine, precedence, order, job, activity		disjunctive, cumulative, cycle					benchmark, real-life	not-first, sweep, edge-finding, not-last	984	1312
VlkHT21 [429]	14	tardiness, due-date, completion-time, order, distributed, precedence, resource, scheduling	PMSP	alternative constraint, noOverlap		OPL, Cplex, Gurobi, Z3	automotive, robot		industrial partner, random instance, github, benchmark		888	1216
Wallace96 [430]	30	job-shop, transportation, distributed, task, resource, scheduling, multi-agent, order, machine, job, activity		circuit, disjunctive, cycle	Prolog, Lisp	CHIP, Ilog Solver, ECLiPSe, OZ, OPL	automotive, aircraft, railway, robot	process industry, automotive industry		time-tabling	1009	1337
WallaceY20 [431]	19	scheduling, machine, flow-shop, order, transportation, job, lazy clause generation, resource, task, job-shop	CHSP	circuit, cumulative, disjunctive, cycle		Chuffed, OPL, Gecode, Gurobi, Cplex, MiniZinc	robot, hoist, electroplating, yard crane, container terminal		random instance, real-life, real-world, benchmark	edge-finding, time-tabling	901	1229
WangMD15 [434]	13	make-span, scheduling, job, resource, activity, completion-time, job-shop, task, precedence, order, cmax, re-scheduling		noOverlap, cumulative		OPL, Cplex, OZ	nurse, medical, physician, patient		real-life, real-world	time-tabling	939	1267
WikarekS19 [437]	22	multi-agent, scheduling, machine, preempt, manpower, flow-shop, order, make-span, cmax, resource, inventory, job, precedence, distributed, setup-time, task, job-shop	JSSP, RCPSP	cumulative, disjunctive		OZ, Z3, ECLiPSe	robot				908	1236

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Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
YounespourAKE19 [445]	11	precedence, re-scheduling, resource, inventory, order, scheduling, completion-time, cmax, activity, make-span, distributed, machine		noOverlap, alternative constraint, span constraint, cumulative		OPL, Z3	nurse, medical, patient		real-life, real-world		909	1237
YunusogluY22 [447]	18	due-date, batch process, order, tardiness, job, cmax, make-span, release-date, re-scheduling, lateness, flow-time, precedence, completion-time, sequence dependent setup, job-shop, resource, activity, setup-time, earliness, preempt, scheduling, machine, inventory, transportation	PMSP, parallel machine	noOverlap, bin-packing, endBeforeStart, cumulative		Cplex, OPL, OZ	robot, medical		real-world, benchmark, generated instance, real-life, supplementary material		876	1204
YuraszeckMCCR23 [450]	11	setup-time, cmax, activity, make-span, machine, open-shop, precedence, resource, preempt, batch process, task, flow-shop, order, scheduling, job, job-shop, flow-time	RCPSP, Open Shop Scheduling Problem, JSSP, FJS, OSSP	endBeforeStart, cumulative		OPL, Cplex		pharmaceutical industry	github, real-world, benchmark		860	1188
YuraszeckMPV22 [449]	26	completion-time, sequence dependent setup, resource, setup-time, task, distributed, open-shop, machine, due-date, transportation, flow-shop, flow-time, job-shop, scheduling, order, job, re-scheduling, make-span, release-date	Open Shop Scheduling Problem, OSSP, single machine, JSSP	noOverlap, dis-junctive	Java	Cplex	semiconductor, automotive, robot	manufacturing industry	generated instance, github, benchmark, real-life		877	1205
ZarandiKS16 [451]	17	make-span, job, scheduling, completion-time, resource, order, task, machine, preempt, earliness, distributed, due-date, tardiness, flow-shop, job-shop, transportation	single machine			Ilog Solver	robot		real-world	time-tabling	931	1259
ZeballosH05 [452]	10	transportation, scheduling, buffer-capacity, completion-time, make-span, order, job, activity, due-date, resource, task, machine, tardiness, precedence				Ilog Scheduler, OPL, Ilog Solver	robot				985	1313
ZeballosQH10 [453]	20	cmax, make-span, resource, activity, precedence, completion-time, earliness, job-shop, transportation, due-date, preempt, scheduling, order, machine, tardiness, job, task				ECLiPSe, Ilog Solver, OZ, Cplex, Ilog Scheduler, OPL	robot		benchmark, real-world		969	1297
ZhangW18 [456]	18	job, completion-time, flow-shop, precedence, lateness, job-shop, re-scheduling, transportation, multi-agent, earliness, order, preempt, flow-time, make-span, distributed, resource, tardiness, scheduling, machine, setup-time	FJS	noOverlap, cumulative		Cplex, Z3, OPL	robot		benchmark		924	1252

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
ZhangYW21 [455]	10	cmax, task, machine, job, activity, re-scheduling, release-date, setup-time, preempt, distributed, job-shop, batch process, resource, scheduling, multi-agent, make-span, precedence, order	RCPSP	endBeforeStart, disjunctive		Cplex	robot		benchmark		889	1217
Zhou97 [459]	29	release-date, job-shop, due-date, task, order, preempt, scheduling, precedence, completion-time, job, machine		cumulative, disjunctive	Prolog	CHIP, Ilog Scheduler, Z3			benchmark	edge-finding, edge-finder	1008	1336
ZouZ20 [464]	10	resource, activity, task, order, scheduling, precedence, completion-time, distributed		cumulative, endBeforeStart, noOverlap, span constraint		Cplex, OPL	pipeline		benchmark		902	1230
abs-0907-0939 [341]	12	resource, order, activity, due-date, preempt, scheduling, make-span, release-date, task		cumulative	Java	Choco Solver, CHIP			real-world	sweep, energetic reasoning, edge-finding	973	1301
abs-1901-07914 [48]	8	multi-agent, scheduling, order, resource, make-span, distributed, machine, task			Python	OZ, MiniZinc, OR-Tools	robot		benchmark, real-world, github		910	1238
abs-1902-01193 [9]	9	order, resource, activity, BOM, task, scheduling			C++, Prolog, Python	Ilog Solver, CHIP, OPL	medical, nurse			time-tabling	911	1239
abs-1902-09244 [187]	62	order, tardiness, completion-time, resource, setup-time, activity, inventory, task, machine, due-date, precedence, transportation, earliness, flow-shop, job-shop, scheduling, job, make-span, release-date	FJS, RCPSP	cumulative, endBeforeStart, cycle		Cplex, OZ, OPL	aircraft	steel industry, food-processing industry	benchmark, industry partner, real-world		912	1240
abs-1911-04766 [157]	16	release-date, scheduling, order, completion-time, job, re-scheduling, resource, make-span, activity, due-date, precedence, task	RCPSP	noOverlap, disjunctive, cumulative, alternative constraint, endBeforeStart	Java	OZ, MiniZinc, CPO, Chuffed, Gecode, Cplex	automotive		real-world, generated instance, industrial partner, github, benchmark, instance generator, real-life	time-tabling	913	1241
abs-2211-14492 [389]	17	resource, setup-time, distributed, activity, due-date, precedence, task, flow-shop, machine, transportation, job-shop, scheduling, order, job, make-span, tardiness, completion-time, cmax	single machine	bin-packing, cumulative, disjunctive	Python	Cplex, OR-Tools, OZ	semiconductor		benchmark, random instance, generated instance		878	1206
abs-2305-19888 [197]	42	scheduling, order, job, re-scheduling, make-span, completion-time, cmax, sequence dependent setup, preempt, resource, setup-time, distributed, activity, precedence, task, flow-shop, machine	parallel machine	noOverlap, cumulative, alternative constraint		Gurobi	robot		real-world, generated instance, gitlab, benchmark		861	1189

Table 6: Automatically Extracted ARTICLE Properties (Requires Local Copy)

Work	Pages	Concepts	Classification	Constraints	Prog Languages	CP Systems	Areas	Industries	Benchmarks	Algorithm	a	c
abs-2306-05747 [398]	9	job-shop, re-scheduling, flow-time, scheduling, order, completion-time, job, resource, make-span, tardiness, preempt, machine, precedence, task, flow-shop	JSSP	noOverlap, disjunctive, cumulative	Java	Choco Solver			real-world, supplementary material, github, industrial instance, benchmark		862	1190
abs-2312-13682 [339]	20	re-scheduling, scheduling, order, resource, make-span, activity, machine, transportation, inventory, task		cumulative, table constraint		OPL	steel mill, container terminal, nurse		real-world, generated instance		863	1191
abs-2402-00459 [316]	21	machine, due-date, earliness, job-shop, scheduling, order, job, multi-agent, tardiness, completion-time, resource, precedence, task	single machine	disjunctive, bin-packing, cumulative		OPL, OR-Tools		mining industry	instance generator, real-world, generated instance, github, benchmark		847	1175

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
PrataAN23 PrataAN23 [351]	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	-	benchmark, real-world, real-life	1	-		-	-	survey	-	846	1124
abs-2402-00459 abs-2402-00459 [316]	Genetic-based Constraint Programming for Resource Constrained Job Scheduling	OR-Tools	instance generator, real-world, generated instance, github, benchmark	2	y		n	-	RCJS	cumulatives	847	1173
AbreuNP23 AbreuNP23 [109]	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	?		0	?		?	?	?	?	848	No
AkramNHRSA23 AkramNHRSA23 [8]	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming	OR-Tools	benchmark	0	n		n	-	TSN	-	849	1017
AlfieriGPS23 AlfieriGPS23 [10]	Permutation flowshop problems minimizing core waiting time and core idle time		benchmark	0							850	1018
Caballero23 Caballero23 [87]	Scheduling through logic-based tools	SAT		1	-		-	PhD Thesis	RCPSP	-	851	1041
CzerniachowskaWZ23 CzerniachowskaWZ23 [102]	Constraint Programming for Flexible Flow Shop Scheduling Problem with Repeated Jobs and Repeated Operations		benchmark, Roadef, real-world	0							852	1044
GurPAE23 GurPAE23 [181]	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming	Cplex	real-life	0	n		n	-	-	-	853	1062
IsikYA23 IsikYA23 [213]	Constraint programming models for the hybrid flow shop scheduling problem and its extensions	OPL CP Opt	real-world, benchmark, generated instance, real-life	4	y		y	-	HFSP	alternative endBeforeStart noOverlap cumulative	854	1074
LacknerMMWW23 LacknerMMWW23 [254]	Exact methods for the Oven Scheduling Problem	MiniZinc OPL	random instance, industrial partner, benchmark, instance generator, zenodo, real-life	0	DZN JSON		y	[253]	OSP	alternative noOverlap forbidExtent	855	1087
MontemanniD23 MontemanniD23 [304]	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming	OR-Tools	benchmark, supplementary material	6	ref	y	n	-	PDSTSP	circuit	856	1104
MontemanniD23a MontemanniD23a [303]	Constraint programming models for the parallel drone scheduling vehicle routing problem	OR-Tools	benchmark	0	ref		n	-	PDSTSP	circuit multipleCircuit	857	1105
NaderiRR23 NaderiRR23 [312]	Mixed-Integer Programming vs. Constraint Programming for Shop Scheduling Problems: New Results and Outlook		github, benchmark	8							858	1107
ShaikhK23 ShaikhK23 [376]	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	?	benchmark, real-world	2	?		?	?	?	?	859	1134
YuraszeckMCCR23 YuraszeckMCCR23 [450]	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem	CP Opt	github, real-world, benchmark	0	ref		n	-	FJSSP	alternative endBeforeStart cumulative	860	1155
abs-2305-19888 abs-2305-19888 [197]	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers	CP Opt Gurobi	real-world, generated instance, gitlab, benchmark	1	y	y	n	-	$P seq, ser C_{max}$	alternative noOverlap cumulative	861	1170

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
abs-2306-05747 abs-2306-05747 [398]	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming	custom Choco	real-world, supplementary material, github, industrial instance, benchmark	0	ref		n	-	JSSP	noOverlap	862	1171
abs-2312-13682 abs-2312-13682 [339]	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended	custom	real-world, generated instance	0	n		n	-	SUTP	table disjunctive	863	1172
AbreuN22 AbreuN22 [108]	A new hybridization of adaptive large neighborhood search with constraint programming for open shop scheduling with sequence-dependent setup times	Cplex CP Opt	real-world, benchmark	0	y		n	-	OSSPST	noOverlap	864	1015
BourreauGGLT22 BourreauGGLT22 [81]	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)		real-world, benchmark	2							865	1039
CampeauG22 CampeauG22 [88]	Short- and medium-term optimization of underground mine planning using constraint programming	CP Opt	real-life, real-world	0	ref		n			pulse alwaysIn endBeforeStart noOverlap	866	1042
ColT22 ColT22 [100]	Industrial-size job shop scheduling with constraint programming		generated instance, supplementary material, github, real-life, benchmark, real-world	4							867	1043
FarsiTM22 FarsiTM22 [136]	Integrated surgery scheduling by constraint programming and meta-heuristics			0							868	No
Fatemi-AnarakiMFN22 Fatemi-AnarakiMFN22 [137]	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches			0							869	No
FetgoD22 FetgoD22 [138]	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited		benchmark, real-world	7							870	1054
HeinzNVH22 HeinzNVH22 [196]	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers		real-world, generated instance, benchmark, gitlab	3							871	1067
MullerMKP22 MullerMKP22 [308]	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning		benchmark, random instance, real-world, github	3							872	1106
PohlAK22 PohlAK22 [344]	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach		benchmark, real-world	2							873	1121
ShiYXQ22 ShiYXQ22 [377]	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach			0							874	No
SubulanC22 SubulanC22 [388]	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem		real-life, benchmark, real-world	2							875	1140

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
YunusogluY22 YunusogluY22 [447]	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times		real-world, benchmark, generated instance, real-life, supplementary material	10							876	1154
YuraszeckMPV22 YuraszeckMPV22 [449]	A Novel Constraint Programming Decomposition Approach for the Total Flow Time Fixed Group Shop Scheduling Problem		generated instance, github, benchmark, real-life	5							877	1156
abs-2211-14492 abs-2211-14492 [389]	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling		benchmark, random instance, generated instance	1							878	1169
AbohashimaEG21 AbohashimaEG21 [2]	A Mathematical Programming Model and a Firefly-Based Heuristic for Real-Time Traffic Signal Scheduling With Physical Constraints		real-world, generated instance, github	0							879	1013
AbreuAPNM21 AbreuAPNM21 [107]	A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions		generated instance, benchmark, real-world	8							880	1014
Bedhief21 Bedhief21 [45]	Comparing Mixed-Integer Programming and Constraint Programming Models for the Hybrid Flow Shop Scheduling Problem with Dedicated Machines		real-life	0							881	1028
FanXG21 FanXG21 [135]	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints		benchmark	0							882	1053
HamPK21 HamPK21 [184]	Energy-Aware Flexible Job Shop Scheduling Using Mixed Integer Programming and Constraint Programming		benchmark, github	4							883	1065
HubnerGSV21 HubnerGSV21 [211]	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics		benchmark, real-life	4							884	1073
KoehlerBFFHPSSS21 KoehlerBFFH-PSSS21 [234]	Cable tree wiring - benchmarking solvers on a real-world scheduling problem with a variety of precedence constraints	CP Opt OR-Tools Chuffed Cplex Gurobi Z3 OptiMathSat	real-world, benchmark, github	9	DZN		y	-	CTW	alldifferent inverse	885	1079
PandeyS21a PandeyS21a [333]	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization		benchmark	1							886	1118
QinWSLS21 QinWSLS21 [353]	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint			0							887	1126
VlkHT21 VlkHT21 [429]	Constraint programming approaches to joint routing and scheduling in time-sensitive networks		industrial partner, random instance, github, benchmark	0							888	1148

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
ZhangYW21 ZhangYW21 [455]	A graph-based constraint programming approach for the integrated process planning and scheduling problem		benchmark	0							889	1161
AlizdehS20 AlizdehS20 [11]	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming			0							890	No
AstrandJZ20 AstrandJZ20 [24]	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search		benchmark, real-world, real-life	0							891	1020
BadicaBI20 BadicaBI20 [25]	Block structured scheduling using constraint logic programming		real-world, benchmark	5							892	1021
BenediktMH20 BenediktMH20 [55]	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	CP Opt Gurobi	github, benchmark, random instance, generated instance	4	JSON		y				893	1032
FallahiAC20 FallahiAC20 [134]	Tabu search and constraint programming-based approach for a real scheduling and routing problem		github, real-life	0							894	1052
LunardiBLRV20 LunardiBLRV20 [283]	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem		benchmark, random instance, generated instance, github	1							895	1098
MengZRZL20 MengZRZL20 [297]	Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem		supplementary material, benchmark	0							896	1102
MokhtarzadehTNF20 MokhtarzadehTNF20 [300]	Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach		generated instance, real-world	12							897	1103
Polo-MejiaALB20 Polo-MejiaALB20 [345]	Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility		Roadef, github	2							898	1122
QinDCS20 QinDCS20 [354]	Combining mixed integer programming and constraint programming to solve the integrated scheduling problem of container handling operations of a single vessel		real-life, benchmark	0							899	1125
SacramentoSP20 SacramentoSP20 [362]	Constraint Programming and Local Search Heuristic: a Matheuristic Approach for Routing and Scheduling Feeder Vessels in Multi-terminal Ports		benchmark, real-life, zenodo, real-world	4							900	1128
WallaceY20 WallaceY20 [431]	A new constraint programming model and solving for the cyclic hoist scheduling problem	MiniZinc	random instance, real-life, real-world, benchmark	2	DZN		y		CHSP		901	1150
ZouZ20 ZouZ20 [464]	A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic		benchmark	3							902	1163
EscobetPQPRA19 EscobetPQPRA19 [129]	Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach			1							903	1048
GurEA19 GurEA19 [465]	Surgical Operation Scheduling with Goal Programming and Constraint Programming: A Case Study		real-life	11							904	1061
HauderBRPA19 HauderBRPA19 [186]	On constraint programming for a new flexible project scheduling problem with resource constraints		real-world, benchmark, industry partner	0							905	1066

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
NishikawaSTT19 NishikawaSTT19 [319]	A Constraint Programming Approach to Scheduling of Malleable Tasks		real-world, benchmark	0							906	1110
Novas19 Novas19 [321]	Production scheduling and lot streaming at flexible job-shops environments using constraint programming		benchmark	0							907	1112
WikarekS19 WikarekS19 [437]	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems			0							908	1152
YounespourAKE19 YounespourAKE19 [445]	Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy		real-life, real-world	6							909	1153
abs-1901-07914 abs-1901-07914 [48]	A Constraint Programming Approach to Simultaneous Task Allocation and Motion Scheduling for Industrial Dual-Arm Manipulation Tasks		benchmark, real-world, github	0							910	1165
abs-1902-01193 abs-1902-01193 [9]	Solving Nurse Scheduling Problem Using Constraint Programming Technique			0							911	1166
abs-1902-09244 abs-1902-09244 [187]	On constraint programming for a new flexible project scheduling problem with resource constraints		benchmark, industry partner, real-world	0							912	1167
abs-1911-04766 abs-1911-04766 [157]	Investigating Constraint Programming and Hybrid Methods for Real World Industrial Test Laboratory Scheduling		real-world, generated instance, industrial partner, github, benchmark, instance generator, real-life	10							913	1168
BaptisteB18 BaptisteB18 [28]	Redundant cumulative constraints to compute preemptive bounds			1							914	1022
BorghesiBLMB18 BorghesiBLMB18 [78]	Scheduling-based power capping in high performance computing systems		benchmark, real-life	3							915	1038
FahimiOQ18 FahimiOQ18 [132]	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last	Choco	benchmark, random instance	0	(y)		n		RCPSP	disjunctive cumulative	916	1050
GedikKEK18 GedikKEK18 [155]	A constraint programming approach for solving unrelated parallel machine scheduling problem		benchmark	9							917	1057
GokgurHO18 GokgurHO18 [169]	Parallel machine scheduling with tool loading: a constraint programming approach		real-life, real-world	9							918	1059
Ham18 Ham18 [183]	Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming			7							919	1064
LaborieRSV18 LaborieRSV18 [252]	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	OP Opt	real-world, CSPLib, benchmark	3	-		-	-	-	-	920	1086
PourDERB18 PourDERB18 [347]	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem		real-life, benchmark, real-world, generated instance	1							921	1123
ShinBBHO18 ShinBBHO18 [378]	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling		github, real-world	4							922	1135
TangLWSK18 TangLWSK18 [395]	Scheduling Optimization of Linear Schedule with Constraint Programming			0							923	1142

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
ZhangW18 ZhangW18 [456]	Flexible Assembly Job-Shop Scheduling With Sequence-Dependent Setup Times and Part Sharing in a Dynamic Environment: Constraint Programming Model, Mixed-Integer Programming Model, and Dispatching Rules		benchmark	0							924	1160
KreterSS17 KreterSS17 [246]	Using constraint programming for solving RCPSP/max-cal	MiniZinc Chuffed Cplex	benchmark	5	dead			[245]	RCPSP	cumulative cumulativeCalend.	925	1084
NattafAL17 NattafAL17 [314]	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	Cplex	real-world	2	n		n	-	CECSP	-	926	1109
Bonfietti16 Bonfietti16 [69]	A constraint programming scheduling solver for the MPOpt programming environment		benchmark	10							927	1036
BridiBLMB16 BridiBLMB16 [83]	A Constraint Programming Scheduler for Heterogeneous High-Performance Computing Machines		real-world, real-life	0							928	1040
DoulabiRP16 DoulabiRP16 [123]	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling		real-world, generated instance	3							929	1047
NovaraNH16 NovaraNH16 [320]	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation		CSPLib, benchmark	5							930	1111
ZarandiKS16 ZarandiKS16 [451]	A constraint programming model for the scheduling of JIT cross-docking systems with preemption		real-world	0							931	1157
EvenSH15a EvenSH15a [131]	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling		real-world, real-life	2							932	1049
GoelSHFS15 GoelSHFS15 [168]	Constraint programming for LNG ship scheduling and inventory management			0							933	1058
Kameugne15 Kameugne15 [220]	Propagation techniques of resource constraint for cumulative scheduling	-		2	-		-	PhDThesis	RCPSP		934	1075
LetortCB15 LetortCB15 [261]	Synchronized sweep algorithms for scalable scheduling constraints	Choco SICStus	generated instance, Roadef, benchmark, random instance	4	dead		-	[260]	-	cumulative dimCumulative dimCumulativePr	935	1089
NattafAL15 NattafAL15 [313]	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	Cplex	generated instance	1	n		n		CSCSP		936	1108
Siala15 Siala15 [379]	Search, propagation, and learning in sequencing and scheduling problems	-	benchmark	2	-		-	PhD Thesis			937	1136
SimoninAHL15 SimoninAHL15 [382]	Scheduling scientific experiments for comet exploration	MOST Ilog Scheduler		0	n		n	[381]		cumulative dataTransfer	938	1137
WangMD15 WangMD15 [434]	Scheduling operating theatres: Mixed integer programming vs. constraint programming		real-life, real-world	2							939	1151
BonfiettiLBM14 BonfiettiLBM14 [72]	CROSS cyclic resource-constrained scheduling solver		real-world, generated instance, industrial instance, benchmark	0							940	1037
GrimesIOS14 GrimesIOS14 [176]	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling		real-world, real-life	9							941	1060
KameugneFSN14 KameugneFSN14 [224]	A quadratic edge-finding filtering algorithm for cumulative resource constraints	Gecode	random instance, benchmark	2	y			[223]	CuSP	cumulative	942	1076

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
NovasH14 NovasH14 [324]	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming		benchmark	0							943	1115
BegB13 BegB13 [46]	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures		benchmark	0							944	1029
HeinzSB13 HeinzSB13 [195]	Using dual presolving reductions to reformulate cumulative constraints	Cplex SCIP	benchmark	1	ref		-	-	RCPSP RCPSP/max	cumulative	945	1068
OzturkTHO13 OzturkTHO13 [332]	Balancing and scheduling of flexible mixed model assembly lines	Ilog Solver Ilog Scheduler Cplex	real-world, real-life	2	y		-	-	SBSFMMAL	alldifferent disjunctive	946	1117
HeinzSSW12 HeinzSSW12 [193]	Solving steel mill slab design problems		real-world, CSPLib	2	Cplex		dead	-	SMSDP	-	947	1069
LimtanyakulS12 LimtanyakulS12 [268]	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	Cplex Ilog Scheduler	random instance, real-life, generated instance, industrial partner, benchmark	1	dead		-	-			948	1091
LombardiM12 LombardiM12 [278]	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	-	real-world, benchmark	0	-		-	-	survey	-	949	1093
LombardiM12a LombardiM12a [277]	A min-flow algorithm for Minimal Critical Set detection in Resource Constrained Project Scheduling		benchmark	1							950	1094
NovasH12 NovasH12 [323]	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations			0							951	1114
BartakS11 BartakS11 [38]	Constraint satisfaction for planning and scheduling problems	-	random instance, real-world, real-life	2	-		-		survey		952	1025
BeckFW11 BeckFW11 [44]	Combining Constraint Programming and Local Search for Job-Shop Scheduling		real-world, benchmark	0							953	1027
BeldiceanuCDP11 BeldiceanuCDP11 [50]	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles		benchmark	1							954	1030
BeniniLMR11 BeniniLMR11 [58]	Optimal resource allocation and scheduling for the CELL BE platform		benchmark, real-world, instance generator	0							955	1033
HachemiGR11 HachemiGR11 [182]	A hybrid constraint programming approach to the log-truck scheduling problem			1							956	1063
KelbelH11 KelbelH11 [227]	Solving production scheduling with earliness/tardiness penalties by constraint programming		benchmark, random instance, generated instance	3							957	1077
KovacsB11 KovacsB11 [239]	A global constraint for total weighted completion time for unary resources	Ilog Scheduler	benchmark	2	n		n	-		Completion	958	1082
KovacsK11 KovacsK11 [241]	Constraint programming approach to a bilevel scheduling problem	Ilog Solver		2	n		n	-	Bilevel Opt		959	1083
SchausHMCMD11 SchausHMCMD11 [366]	Solving Steel Mill Slab Problems with constraint-based techniques: CP, LNS, and CBLS	Comet	benchmark, CSPLib, generated instance	3	dead				SMSDP		960	1131
SchuttFSW11 SchuttFSW11 [372]	Explaining the cumulative propagator	MiniZinc	benchmark, real-world	7	PSPLib		-	-	RCPSP	cumulative	961	1133
TopalogluO11 TopalogluO11 [406]	A constraint programming-based solution approach for medical resident scheduling problems		real-life	2							962	1144

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
TrojetHL11 TrojetHL11 [409]	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework		real-world	2							963	1145
BartakCS10 BartakCS10 [37]	Discovering implied constraints in precedence graphs with alternatives		benchmark, real-life, real-world	3							964	1024
BartakSR10 BartakSR10 [39]	New trends in constraint satisfaction, planning, and scheduling: a survey		real-life, real-world	0							965	1026
LombardiM10a LombardiM10a [275]	Allocation and scheduling of Conditional Task Graphs		real-world, benchmark, real-life	3							966	1092
LopesCSM10 LopesCSM10 [280]	A hybrid model for a multiproduct pipeline planning and scheduling problem	Ilog Solver	benchmark, real-world	2	-		-	[307, 306]			967	1095
NovashH10 NovashH10 [322]	Reactive scheduling framework based on domain knowledge and constraint programming			0							968	1113
ZeballosQH10 ZeballosQH10 [453]	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations		benchmark, real-world	4							969	1159
BocewiczBB09 BocewiczBB09 [65]	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling			0							970	1035
GarridoAO09 GarridoAO09 [149]	A constraint programming formulation for planning: from plan scheduling to plan generation		benchmark	8							971	1055
RuggieroBBMA09 RuggieroBBMA09 [361]	Reducing the Abstraction and Optimality Gaps in the Allocation and Scheduling for Variable Voltage/Frequency MPSoC Platforms		instance generator, real-life	0							972	1127
abs-0907-0939 abs-0907-0939 [341]	The Soft Cumulative Constraint		real-world	0							973	1164
GarridoOS08 GarridoOS08 [150]	Planning and scheduling in an e-learning environment. A constraint-programming-based approach		real-world	0							974	1056
KovacsB08 KovacsB08 [238]	A global constraint for total weighted completion time for cumulative resources		benchmark	0							975	1081
LiessM08 LiessM08 [263]	A constraint programming approach for the resource-constrained project scheduling problem		benchmark	0							976	1090
MalikMB08 MalikMB08 [291]	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming		benchmark	0							977	1099
Simonis07 Simonis07 [384]	Models for Global Constraint Applications	CHIP		0	n		n			cumulative diffn cycle inverse cumulative	978	1138
Hooker06 Hooker06 [207]	An Integrated Method for Planning and Scheduling to Minimize Tardiness	OPL Cplex Ilog Scheduler	random instance	2	n		n	[206]	CuSP		979	1072
KhayatLR06 KhayatLR06 [229]	Integrated production and material handling scheduling using mathematical programming and constraint programming		real-life, benchmark	1							980	1078
SadykovW06 SadykovW06 [364]	Integer Programming and Constraint Programming in Solving a Multitask Assignment Scheduling Problem with Deadlines and Release Dates		generated instance	1							981	1129
SureshMOK06 SureshMOK06 [391]	Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach			0							982	1141

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
Hooker05 Hooker05 [205]	A Hybrid Method for the Planning and Scheduling	OPL Cplex Ilog Scheduler	random instance	0	n		n	[204]	CuSP	cumulative	983	1071
VilimBC05 VilimBC05 [426]	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities		benchmark, real-life	0	n		n	[425]	JSSP	disjunctive	984	1147
ZeballosH05 ZeballosH05 [452]	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources			0							985	1158
PoderBS04 PoderBS04 [343]	Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption			0							986	1120
KuchcinskiW03 KuchcinskiW03 [247]	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming		benchmark	0							987	1085
Tsang03 Tsang03 [410]	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems		real-life	0							988	1146
LorigeonBB02 LorigeonBB02 [282]	A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint			0							989	1097
Timpe02 Timpe02 [404]	Solving planning and scheduling problems with combined integer and constraint programming			0							990	1143
MartinPY01 MartinPY01 [293]	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application		real-life	0							991	1100
Mason01 Mason01 [294]	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling			0							992	1101
ArtiguesR00 ArtiguesR00 [19]	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes			0							993	1019
BaptisteP00 BaptisteP00 [31]	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	CLAIRE	benchmark	0	n		n		RCCSP	cumulative	994	1023
HeipckeCCS00 HeipckeCCS00 [198]	Scheduling under Labour Resource Constraints	COME SchedEns	benchmark, instance generator	0	dead		n	-			995	1070
KorbaaYG00 KorbaaYG00 [236]	Solving Transient Scheduling Problems with Constraint Programming			0							996	1080
LopezAKYG00 LopezAKYG00 [281]	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina			0							997	1096
SakkoutW00 SakkoutW00 [365]	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling	Cplex ECLiPSe	benchmark, real-world	0	n		n	-	KRFP		998	1130
SchildW00 SchildW00 [367]	Scheduling of Time-Triggered Real-Time Systems	OZ		0	n		n	-		disjunctive	999	1132
SourdN00 SourdN00 [386]	Multiple-Machine Lower Bounds for Shop-Scheduling Problems		real-life, bench- mark	1							1000	1139
BensanaLV99 BensanaLV99 [59]	Earth Observation Satellite Management	Ilog Solver	benchmark	0	?		-	-			1001	1034
BelhadjiI98 BelhadjiI98 [53]	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	-	real-life	0	n		n	-	TCSP JSSP		1002	1031
NuijtenP98 NuijtenP98 [326]	Constraint-Based Job Shop Scheduling with \sc Ilog Scheduler		real-life	0							1003	1116

Table 7: Manually Defined ARTICLE Properties

Key	Title (Local Copy)	CP System	Bench	Links	Data Avail	Sol Avail	Code Avail	Based On	Classification	Constraints	a	b
PapaB98 PapaB98 [335]	Resource Constraints for Preemptive Job-shop Scheduling	Ilog Solver	benchmark	0	dead		-	-	PJSSP	disjunctive flow	1004	1119
Darby-DowmanLMZ97 Darby-DowmanLMZ97 [104]	Constraint Logic Programming and Integer Programming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	Cplex ECLiPSe	real-life, real-world, bench-mark	0	n		n	-	MGAP		1005	1045
FalaschiGMP97 FalaschiGMP97 [133]	Constraint Logic Programming with Dynamic Scheduling: A Semantics Based on Closure Operators			0							1006	1051
LammaMM97 LammaMM97 [256]	A distributed constraint-based scheduler		real-life	0							1007	1088
Zhou97 Zhou97 [459]	A Permutation-Based Approach for Solving the Job-Shop Problem	-	benchmark	0	n		n	[458]	JSSP	sort alldifferent permutation	1008	1162
Wallace96 Wallace96 [430]	Practical Applications of Constraint Programming	-		0	-		-	-	Survey	-	1009	1149
AggounB93 AggounB93 [6]	Extending CHIP in order to solve complex scheduling and placement problems		real-world	0							1010	1016
Tay92 Tay92 [399]	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling			0							1011	No
DincbasSH90 DincbasSH90 [120]	Solving Large Combinatorial Problems in Logic Programming		real-life	0							1012	1046

4 Authors

Table 8: Co-Authors of Articles/Papers

Author	Entries
Michela Milano	BorghesiBLMB18 [78], BonfiettiZLM16 [76], BridiBLMB16 [83], BridiLBBM16 [84], LombardiBM15 [272], BartoliniBBLM14 [41], BonfiettiLM14 [74], BonfiettiLBM14 [72], BonfiettiLM13 [73], LombardiM13 [279], LombardiM12 [278], BonfiettiLBM12 [71], LombardiM12a [277], BonfiettiM12 [75], BonfiettiLBM11 [70], LombardiBMB11 [273], BeniniLMR11 [58], LombardiM10 [276], LombardiM10a [275], LombardiM09 [274], RuggieroBBMA09 [361], BeniniBGM06 [57], LamaMM97 [256], BrusoniCLMMT96 [85]
Michele Lombardi	BorghesiBLMB18 [78], BonfiettiZLM16 [76], BridiBLMB16 [83], BridiLBBM16 [84], LombardiBM15 [272], BartoliniBBLM14 [41], BonfiettiLM14 [74], BonfiettiLBM14 [72], BonfiettiLM13 [73], LombardiM13 [279], LombardiM12 [278], BonfiettiLBM12 [71], LombardiM12a [277], BonfiettiLBM11 [70], LombardiBMB11 [273], BeniniLMR11 [58], LombardiM10 [276], LombardiM10a [275], LombardiM09 [274], HoeveGSL07 [415]
Andreas Schutt	YangSS19 [444], KreterSS17 [246], YoungFS17 [446], GoldwaserS17 [170], SchuttS16 [373], SzerediS16 [393], KreterSS15 [245], EvenSH15 [130], EvenSH15a [131], SchuttFS13 [370], SchuttFS13a [369], GuSS13 [180], SchuttCSW12 [368], SchuttFSW11 [372], SchuttW10 [374], SchuttFSW09 [371]
Nicolas Beldiceanu	Madi-WambaLOBM17 [287], Madi-WambaB16 [286], LetortCB15 [261], LetortCB13 [260], LetortBC12 [259], ClercqPBJ11 [97], BeldiceanuCDP11 [50], BeldiceanuCP08 [51], PoderB08 [342], BeldiceanuP07 [52], PoderBS04 [343], BeldiceanuC02 [49], AggounB93 [6], AggounB92 [5]
J. Christopher Beck	LuoB22 [285], TangB20 [394], BoothNB16 [77], KoschB14 [237], HeinzSB13 [195], HeinzKB13 [192], HeinzB12 [191], KovacsB11 [239], BeckFW11 [44], WatsonB08 [435], KovacsB08 [238], CarchraeBF05 [90], WuBB05 [443], BeckDF97 [43]
Emmanuel Hebrard	JuvinHHL23 [217], AntuoriHHEN21 [13], GodetLHS20 [167], SimoninAHL15 [382], SialaAH15 [380], BessiereHMQW14 [61], SimoninAHL12 [381], BillautHL12 [62], GrimesH11 [174], GrimesH10 [173], GrimesHM09 [175], HebrardTW05 [189]
Peter J. Stuckey	YangSS19 [444], DemirovicS18 [114], KreterSS17 [246], SchuttS16 [373], KreterSS15 [245], BurtLPS15 [86], SchuttFS13 [370], SchuttFS13a [369], GuSS13 [180], SchuttCSW12 [368], SchuttFSW11 [372], SchuttFSW09 [371]
Roman Barták	SvancaraB22 [392], JelínekB16 [214], BartakV15 [40], Bartak14 [36], BartakS11 [38], BartakCS10 [37], BartakSR10 [39], VilimBC05 [426], VilimBC04 [425], Bartak02 [35], Bartak02a [34]
Pierre Lopez	JuvinHHL23 [217], JuvinHL23 [218], Polo-MejiaALB20 [345], NattafAL17 [314], SimoninAHL15 [382], NattafAL15 [313], SimoninAHL12 [381], BillautHL12 [62], LahimerLH11 [255], TrojetHL11 [409], LopezAKYG00 [281]
Petr Vilím	LaborieRSV18 [252], VilimLS15 [427], Vilim11 [424], Vilim09 [422], Vilim09a [423], VilimBC05 [426], Vilim05 [421], VilimBC04 [425], Vilim04 [420], Vilim03 [419], Vilim02 [418]
Christian Artigues	PovedaAA23 [348], PohlAK22 [344], Polo-MejiaALB20 [345], NattafAL17 [314], SimoninAHL15 [382], NattafAL15 [313], SialaAH15 [380], SimoninAHL12 [381], ArtiguesBF04 [18], ArtiguesR00 [19]
Luca Benini	BorghesiBLMB18 [78], BridiBLMB16 [83], BridiLBBM16 [84], BonfiettiLBM14 [72], BonfiettiLBM12 [71], BonfiettiLBM11 [70], LombardiBMB11 [273], BeniniLMR11 [58], RuggieroBBMA09 [361], BeniniBGM06 [57]
Alessio Bonfietti	BonfiettiZLM16 [76], Bonfietti16 [69], LombardiBM15 [272], BonfiettiLM14 [74], BonfiettiLBM14 [72], BonfiettiLM13 [73], BonfiettiLBM12 [71], BonfiettiM12 [75], BonfiettiLBM11 [70], LombardiBMB11 [273]
Philippe Laborie	LunardiBLRV20 [283], LaborieRSV18 [252], Laborie18a [251], MelgarejoLS15 [7], VilimLS15 [427], Laborie09 [250], BaptisteLPN06 [29], GodardLN05 [165], FocacciLN00 [139]
John N. Hooker	Hooker17 [208], HechingH16 [190], CireCH13 [96], CobanH10 [98], Hooker06 [207], Hooker05 [205], Hooker05a [206], Hooker04 [204], HookerY02 [209]
Claude-Guy Quimper	BoudreaultSLQ22 [80], OuelletQ22 [330], Mercier-AubinGQ20 [298], FahimiOQ18 [132], KameugneFGOQ18 [221], OuelletQ18 [329], GingrasQ16 [164], BessiereHMQW14 [61], OuelletQ13 [328]
Pierre Schaus	CappartS17 [89], CauwelaertDMS16 [92], DejemeppeCS15 [111], GayHLS15 [151], GayHS15 [152], GayHS15a [153], HoundjiSWD14 [210], GaySS14 [154], SchausHMCMD11 [366]
Pascal Van Hentenryck	FontaineMH16 [140], EvenSH15 [130], EvenSH15a [131], SchausHMCMD11 [366], MonetteDH09 [302], DoomsH08 [121], HentenryckM08 [200], HentenryckM04 [199], DincbasSH90 [120]
Philippe Baptiste	BaptisteB18 [28], Baptiste09 [27], BaptisteLPN06 [29], ArtiouchineB05 [20], BaptisteP00 [31], PapaB98 [335], BaptisteP97 [30], PapeB97 [334]
Mats Carlsson	WessenCS20 [436], MossigeGSMC17 [305], LetortCB15 [261], LetortCB13 [260], LetortBC12 [259], BeldiceanuCDP11 [50], BeldiceanuCP08 [51], BeldiceanuC02 [49]
Nysret Musliu	LacknerMMWW23 [254], WinterMMW22 [438], LacknerMMWW21 [253], GeibingerKKMMW21 [156], GeibingerMM21 [159], GeibingerMM19 [158], abs-1911-04766 [157], KletzanderM17 [233]
Helmut Simonis	ArmstrongGOS22 [16], ArmstrongGOS21 [15], GrimesIOS14 [176], IfrimOS12 [212], Simonis07 [384], SimonisC95 [385], Simonis95 [383], DincbasSH90 [120]
Zdenek Hanzálek	Mehdizadeh-Somarin23 [295], abs-2305-19888 [197], HeinzNVH22 [196], VlkHT21 [429], BenediktMH20 [55], BenediktSMVH18 [56], KelbelH11 [227]
Gabriela P. Henning	NovaraNH16 [320], NovasH14 [324], NovasH12 [323], NovasH10 [322], ZeballosQH10 [453], ZeballosH05 [452], QuirogaZH05 [356]
Stefan Heinz	HeinzSB13 [195], HeinzKB13 [192], HeinzSSW12 [193], HeinzB12 [191], HeinzS11 [194], BertholdHLSM10 [60]
András Kovács	KovacsB11 [239], KovacsK11 [241], KovacsB08 [238], KovacsV06 [243], KovacsEKV05 [240], KovacsV04 [242]
Claude Le Pape	BaptisteLPN06 [29], BaptisteP00 [31], PapaB98 [335], NuijtenP98 [326], BaptisteP97 [30], PapeB97 [334]
Emmanuel Poder	BeldiceanuCDP11 [50], abs-0907-0939 [341], BeldiceanuCP08 [51], PoderB08 [342], BeldiceanuP07 [52], PoderBS04 [343]
Mark Wallace	WallaceY20 [431], HeOGLW18 [188], SchuttFSW09 [371], SakkoutW00 [365], RodosekW98 [359], Wallace96 [430]
Yves Deville	HoundjiSWD14 [210], DejemeppeD14 [112], SchausHMCMD11 [366], MonetteDH09 [302], MonetteDD07 [301]
Thibaut Feydy	YoungFS17 [446], SchuttFS13 [370], SchuttFS13a [369], SchuttFSW11 [372], SchuttFSW09 [371]

Table 8: Co-Authors of Articles/Papers

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Roger Kameugne	KameugneFND23 [222], KameugneFGOQ18 [221], Kameugne15 [220], KameugneFSN14 [224], KameugneFSN11 [223]
Juan M. Novas	Novas19 [321], NovaraNH16 [320], NovasH14 [324], NovasH12 [323], NovasH10 [322]
Wim Nuijten	BaptisteLPN06 [29], GodardLN05 [165], SourdN00 [386], FocacciLN00 [139], NuijtenP98 [326]
Louis-Martin Rousseau	DoulabiRP16 [123], PesantRR15 [340], DoulabiRP14 [122], ChapadosJR11 [94], HachemiGR11 [182]
Marek Vlk	abs-2305-19888 [197], HeinzNVH22 [196], VlkHT21 [429], BenediktSMVH18 [56], BartakV15 [40]
André A. Ciré	CireCH13 [96], LopesCSM10 [280], MouraSCL08 [307], MouraSCL08a [306]
Andrea Bartolini	BorghesiBLMB18 [78], BridiBLMB16 [83], BridiLBBM16 [84], BartoliniBBLM14 [41]
Cyrille Dejemeppe	CauwelaertDMS16 [92], Dejemeppe16 [110], DejemeppeCS15 [111], DejemeppeD14 [112]
Steven Gay	GayHLS15 [151], GayHS15 [152], GayHS15a [153], GaySS14 [154]
Tobias Geibinger	GeibingerKKMMW21 [156], GeibingerMM21 [159], GeibingerMM19 [158], abs-1911-04766 [157]
Diarmuid Grimes	GrimesIOS14 [176], GrimesH11 [174], GrimesH10 [173], GrimesHM09 [175]
Krzysztof Kuchcinski	WolinskiKG04 [441], WolinskiKG04a [442], KuchcinskiW03 [247], GruianK98 [179]
Laurent Michel	TardivoDFMP23 [396], SchausHMCMD11 [366], HentenryckM08 [200], HentenryckM04 [199]
Florian Mischek	GeibingerKKMMW21 [156], GeibingerMM21 [159], GeibingerMM19 [158], abs-1911-04766 [157]
Jean-Noël Monette	CauwelaertDMS16 [92], SchausHMCMD11 [366], MonetteDH09 [302], MonetteDD07 [301]
Margaux Nattaf	NattafM20 [315], MalapertN19 [289], NattafAL17 [314], NattafAL15 [313]
Barry O’Sullivan	ArmstrongGOS22 [16], ArmstrongGOS21 [15], GrimesIOS14 [176], IfrimOS12 [212]
Yanick Ouellet	OuelletQ22 [330], FahimiOQ18 [132], KameugneFGOQ18 [221], OuelletQ18 [329]
Gilles Pesant	AalianPG23 [1], DoulabiRP16 [123], PesantRR15 [340], DoulabiRP14 [122]
Thierry Petit	DerrienP14 [116], DerrienPZ14 [117], ClercqPBJ11 [97], abs-0907-0939 [341]
Christine Solnon	GroleazNS20 [178], GroleazNS20a [177], SacramentoSP20 [362], MelgarejoLS15 [7]
József Váncza	KovacsV06 [243], KovacsEKV05 [240], KovacsV04 [242], VanczaM01 [416]
Felix Winter	LacknerMMWW23 [254], WinterMMW22 [438], LacknerMMWW21 [253], GeibingerKKMMW21 [156]
Armin Wolf	GeitzGSSW22 [160], SchuttW10 [374], WolfS05 [440], Wolf03 [439]
Max Åstrand	Astrand0F21 [22], Astrand21 [21], AstrandJZ20 [24], AstrandJZ18 [23]
Miguel A. Salido	BartakS11 [38], BartakSR10 [39], AbrilSB05 [3]
Séverine Betmbe Fetgo	KameugneFND23 [222], FetgoD22 [138], KameugneFGOQ18 [221]
Miquel Bofill	BofillCSV17 [66], BofillGSV15 [68], BofillEGPSV14 [67]
Thomas Bridi	BridiBLMB16 [83], BridiLBBM16 [84], BartoliniBBLM14 [41]
Cid C. de Souza	MouraSCL08 [307], MouraSCL08a [306], HeipckeCCS00 [198]
Ondrej Cepek	BartakCS10 [37], VilimBC05 [426], VilimBC04 [425]
Erich Christian Teppan	Teppan22 [400], ColT22 [100], ColT19 [99]
Sophie Demassey	HermenierDL11 [201], BeldiceanuCDP11 [50], Demassey03 [113]
Alban Derrien	Derrien15 [115], DerrienP14 [116], DerrienPZ14 [117]
Michele Garraffa	AlfieriGPS23 [10], ArmstrongGOS22 [16], ArmstrongGOS21 [15]
Martin Gebser	TasselGS23 [397], abs-2306-05747 [398], KovacsTKSG21 [244]
Jean-Claude Gentina	KorbaaYG00 [236], LopezAKYG00 [281], KorbaaYG99 [235]
Renaud Hartert	GayHLS15 [151], GayHS15 [152], GayHS15a [153]
Brahim Hnich	GokgurHO18 [169], OzturkTHO13 [332], RossiTHP07 [360]
Andrew J. Davenport	Davenport10 [105], DavenportKRSH07 [106], BeckDF97 [43]
Mikael Johansson	Astrand0F21 [22], AstrandJZ20 [24], AstrandJZ18 [23]
Narendra Jussien	ClercqPBJ11 [97], ElkhyariGJ02 [126], ElkhyariGJ02a [127]
Tamás Kis	KovacsK11 [241], KeriK07 [228], KovacsEKV05 [240]
Ouajdi Korbaa	KorbaaYG00 [236], LopezAKYG00 [281], KorbaaYG99 [235]
Arnaud Letort	LetortCB15 [261], LetortCB13 [260], LetortBC12 [259]
Arnaud Malapert	NattafM20 [315], MalapertN19 [289], GrimesHM09 [175]
Tony Minoru Tamura Lopes	LopesCSM10 [280], MouraSCL08 [307], MouraSCL08a [306]
Hiroki Nishikawa	NishikawaSTT19 [319], NishikawaSTT18 [317], NishikawaSTT18a [318]
Cédric Pralet	SquillaciPR23 [387], Pralet17 [349], PraletLJ15 [350]
Dhananjay R. Thiruvady	abs-2402-00459 [316], abs-2211-14492 [389], ThiruvadyBME09 [403]
Levi Ribeiro de Abreu	AbreuNP23 [109], AbreuN22 [108], AbreuAPNM21 [107]
Jens Schulz	HeinzSB13 [195], HeinzS11 [194], BertholdHLMS10 [60]
Marcelo Seido Nagano	AbreuNP23 [109], AbreuN22 [108], AbreuAPNM21 [107]
Kana Shimada	NishikawaSTT19 [319], NishikawaSTT18 [317], NishikawaSTT18a [318]
Gilles Simonin	GodetLHS20 [167], SimoninAHL15 [382], SimoninAHL12 [381]
Josep Suy	BofillCSV17 [66], BofillGSV15 [68], BofillEGPSV14 [67]

Table 8: Co-Authors of Articles/Papers

Author	Entries
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Daniel Walkiewicz	LacknerMMWW23 [254], WinterMMW22 [438], LacknerMMWW21 [253]
Toby Walsh	GelainPRVW17 [161], BessiereHMQW14 [61], HebrardTW05 [189]
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Luis Zeballos	ZeballosQH10 [453], ZeballosH05 [452], QuirogaZH05 [356]
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Viktoria A. Hauder	abs-1902-09244 [187], HauderBRPA19 [186]
Michael Affenzeller	abs-1902-09244 [187], HauderBRPA19 [186]
Abderrahmane Aggoun	AggounB93 [6], AggounB92 [5]
Eddie Armstrong	ArmstrongGOS22 [16], ArmstrongGOS21 [15]
Maya B. Gokhale	WolinskiKG04 [441], WolinskiKG04a [442]
Amelia Badica	BadicaBI20 [25], BadicaBIL19 [26]
Costin Badica	BadicaBI20 [25], BadicaBIL19 [26]
Pierre Baptiste	BoucherBVBL97 [79], BaptisteLV92 [32]
Nicolas Barnier	WangB23 [433], WangB20 [432]
Andreas Beham	abs-1902-09244 [187], HauderBRPA19 [186]
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Davide Bertozzi	RuggieroBBMA09 [361], BeniniBGM06 [57]
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Dario Canut-de-Bon	YuraszeckMCCR23 [450], YuraszeckMC23 [448]
Quentin Cappart	PopovicCGNC22 [346], CappartS17 [89]
Amedeo Cesta	OddiPCC03 [327], CestaOS98 [93]
Elvin Coban	CireCH13 [96], CobanH10 [98]
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Joseph D. Scott	KameugneFSN14 [224], KameugneFSN11 [223]
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Mauro Dell’Amico	MontemanniD23 [304], MontemanniD23a [303]
Hani El Sakkout	KamarainenS02 [219], SakkoutW00 [365]
Abdallah Elkhyari	ElkhyariGJ02 [126], ElkhyariGJ02a [127]
Tamer Eren	GurPAE23 [181], GurEA19 [465]
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Minhaz F. Zibran	ZibranR11 [462], ZibranR11a [463]
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Mark G. Wallace	SchuttCSW12 [368], SchuttFSW11 [372]
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Michel Gamache	AalianPG23 [1], CampeauG22 [88]
Marc Garcia	BofillGSV15 [68], BofillEGPSV14 [67]
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Chanchal K. Roy	ZibranR11 [462], ZibranR11a [463]
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Evelina Lamma	LammaMM97 [256], BrusoniCLMMT96 [85]
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Gilles Madi-Wamba	Madi-WambaLOBM17 [287], Madi-WambaB16 [286]
Masoumeh Mansouri	BehrensLM19 [47], abs-1901-07914 [48]
Paola Mello	LammaMM97 [256], BrusoniCLMMT96 [85]
Philippe Michelon	Acuna-AgostMFG09 [4], LiessM08 [263]
Mahdi Mokhtarzadeh	FarsiTM22 [136], MokhtarzadehTNF20 [300]
Roberto Montemanni	MontemanniD23 [304], MontemanniD23a [303]
Christoph Mrkvicka	LacknerMMWW23 [254], LacknerMMWW21 [253]
István Módos	BenediktMH20 [55], BenediktSMVH18 [56]
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E. Bensana	BensanaLV99 [59]
Russell Bent	LimBTBB15 [266]
Timo Berthold	BertholdHLMS10 [60]
Christian Bessiere	BessiereHMQW14 [61]
Arthur Bit-Monnot	Bit-Monnot23 [63]
Jacek Blazewicz	BlazewiczEP19 [64]
Christian Blum	ThiruvadyBME09 [403]
Grzegorz Bocewicz	BocewiczBB09 [65]
Markus Bohlin	AronssonBK09 [17]
Nicolas Bonifas	BaptisteB18 [28]
Eric Boucher	BoucherBVBL97 [79]
Raphaël Boudreault	BoudreaultSLQ22 [80]
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Silvia Breiteringer	BreiteringerL95 [82]
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Jordi Coll	BofillCSV17 [66]
Luca Console	BrusoniCLMMT96 [85]
Trijntje Cornelissens	SimonisC95 [385]
Gabriella Cortellessa	OddiPCC03 [327]
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Emilie Danna	DannaP03 [103]
Ken Darby-Dowman	Darby-DowmanLMZ97 [104]
Vivian De Smedt	GaySS14 [154]
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Roberto Di Cosmo	LiuCGM17 [270]
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Bistra Dilkina	DilkinaDH05 [119]
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David Duvivier	WangMD15 [434]
Kyle E. C. Booth	BoothNB16 [77]
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Ignacio E. Grossmann	MaraveliasG04 [292]
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Philippe Lacomme	BourreauGGLT22 [81]
Daniel Lafond	BoudreaultSLQ22 [80]
Asma Lahimer	LahimerLH11 [255]
Feipei Lai	HoYCLLC18 [203]
Jui-Fen Lai	HoYCLLC18 [203]
André Langevin	KhayatLR06 [229]
Christophe Lecoutre	GayHLS15 [151]
Myungho Lee	KimCMLLP23 [231]
Kangbok Lee	KimCMLLP23 [231]
Solange Lemaï-Chenevier	PraletLJ15 [350]
Xingyang Li	LiFJZLL22 [262]
Siyi Li	LiFJZLL22 [262]
Xiaodong Li	abs-2211-14492 [389]
Guipeng Li	ZhouGL15 [460]
Hong Li	SunLYL10 [390]
Nan Li	SunLYL10 [390]
Yunbo Li	Madi-WambaLOBM17 [287]
Wan-Chung Liao	HoYCLLC18 [203]
Ariel Liebman	He0GLW18 [188]
Olivier Liess	LiessM08 [263]
Andrew Lim	LimRX04 [264]
Nir Lipovetzky	BurtLPS15 [86]
Tong Liu	LiuCGM17 [270]
Lingxuan Liu	QinWSLS21 [353]
Ke Liu	LiuLH19 [269]
Rengkui Liu	TangLWSK18 [395]
Yuechang Liu	LiuJ06 [271]
Doina Logofatu	BadicaBIL19 [26]
Thomas Lorigeon	LorigeonBB02 [282]
Chang Lv	MengZRZL20 [297]
Zhimin Lv	ZhangLS12 [457]
Sven Löffler	LiuLH19 [269]
J. M. van den Akker	AkkerDH07 [412]
Abdulrahman M. Abdulghani	AkramNHRSA23 [8]
O. M. Alade	abs-1902-01193 [9]
Shahrazad M. Pour	PourDERB18 [347]
Franco M. Novara	NovaraNH16 [320]
Rafael M. Gasca	ValleMGTO3 [411]
Jun Ma	MakMS10 [288]
Amy Mainville Cohn	BarlattCG08 [33]
Kai-Ling Mak	MakMS10 [288]
V. Mani	SureshMOK06 [391]
Oscar Manzano	MurphyMB15 [310]
Kourosh Marjani Rasmussen	PourDERB18 [347]
Kim Marriott	FalaschiGMP97 [133]
Fae Martin	MartinPY01 [293]
Jacopo Mauro	LiuCGM17 [270]

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Author	Entries
Jim McInnes	MalikMB08 [291]
Zahra Mehdizadeh-Somarin	Mehdizadeh-Somarin23 [295]
Haci Mehmet Alakas	GurPAE23 [181]
Haci Mehmet Alakaş	GurEA19 [465]
Sebastian Meiswinkel	WinterMMW22 [438]
Gonzalo Mejía	YuraszeckMPV22 [449]
Gonzalo Mejía	YuraszeckMC23 [448]
Hein Meling	MossigeGSMC17 [305]
Julien Menana	Menana11 [296]
Jean-Marc Menaud	Madi-WambaLOBM17 [287]
Leilei Meng	MengZRZL20 [297]
Alexandre Mercier-Aubin	Mercier-AubinGQ20 [298]
Vera Mersheeva	FriedrichFMRSS14 [143]
Nadine Meskens	WangMD15 [434]
Bernd Meyer	ThiruvadyBME09 [403]
Kyung Min Kim	HamPK21 [184]
Gautam Mitra	Darby-DowmanLMZ97 [104]
Elizabeth Montero	YuraszeckMCCR23 [450]
Kyungduk Moon	KimCMLLP23 [231]
Morten Mossige	MossigeGSMC17 [305]
Alix Munier Kordon	HanenKP21 [185]
Stanislav Murfn	MurinR19 [309]
Nicola Muscettola	Muscettola02 [311]
David Müller	MullerMKP22 [308]
András Márkus	VanczaM01 [416]
Marc-André Ménard	BessiereHMQW14 [61]
Christina N. Burt	BurtLPS15 [86]
T. N. Wong	ZhangYW21 [455]
S. N. Omkar	SureshMOK06 [391]
Goldie Nejat	BoothNB16 [77]
Shiva Nejati	AlesioNBG14 [118]
Franklin Nguewouo	PopovicCGNC22 [346]
Alain Nguyen	AntuoriHHEN21 [13]
Gilberto Nishioka	SerraNM12 [375]
Thierry Noulamo	KameugneFND23 [222]
Jari Nurmi	QuSN06 [355]
A. O. Amusat	abs-1902-01193 [9]
Ceyda Oguz	EdisO11 [124]
Bilal Omar Akram	AkramNHRSA23 [8]
Mirza Omer Beg	BegB13 [46]
Anne-Cécile Orgerie	Madi-WambaLOBM17 [287]
Mohand Ou Idir Khemmoudj	KhemmoudjPB06 [230]
Pierre Ouellet	OuelletQ13 [328]
Soukaina Oujana	OujanaAYB22 [331]
Asma Ouled Bedhief	Bedhief21 [45]
Irem Ozkarahan	TopalogluO11 [406]
Débora P. Ronconi	LunardiBLRV20 [283]
Edward P. K. Tsang	Tsang03 [410]
W. P. M. Nuijten	NuijtenA94 [325]
Miquel Palahí	BofillEGPSV14 [67]
Catuscia Palamidessi	FalaschiGMP97 [133]
Pere Palà-Schönwälder	EscobetPQPRA19 [129]
Vaibhav Pandey	PandeyS21a [333]
Hoonseok Park	ParkUJR19 [336]
Myoung-Ju Park	HamPK21 [184]
Erica Pastore	AlfieriGPS23 [10]

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Author	Entries
Theo Pedersen	HanenKP21 [185]
Bart Peintner	MoffittPP05 [299]
Jordi Pereira	YuraszeckMPV22 [449]
Laurent Perron	DannaP03 [103]
Mehmet Pinarbasi	GurPAE23 [181]
Arthur Pinkney	MartinPY01 [293]
David Pisinger	SacramentoSP20 [362]
Maximilian Pohl	PohlAK22 [344]
Nicola Policella	OddiPCC03 [327]
Oliver Polo-Mejía	Polo-MejiaALB20 [345]
Paul Pop	BarzegaranZP20 [42]
Louis Popovic	PopovicCGNC22 [346]
Marc Porcheron	KhemmoudjPB06 [230]
Marc Pouly	KoehlerBFFHPSSS21 [234]
Guillaume Povéda	PovedaAA23 [348]
Matthias Prandtstetter	RendlPHPR12 [357]
Jakob Puchinger	RendlPHPR12 [357]
Jean-Francois Puget	Puget95 [352]
Vicenç Puig	EscobetPQPRA19 [129]
Kenneth Pulliam	KrogtLPHJ07 [414]
Kenny Qili Zhu	ZhuS02 [461]
Ming Qin	QinWSLS21 [353]
Tianbao Qin	QinDCS20 [354]
Yang Qu	QuSN06 [355]
Yuchen Quan	ShiYXQ22 [377]
Joseba Quevedo	EscobetPQPRA19 [129]
Dominik R. Bleidorn	KlankeBYE21 [232]
Aliza R. Heching	HechingH16 [190]
Adrian R. Pearce	BurtLPS15 [86]
Levi R. Abreu	PrataAN23 [351]
Wichniarek, Radosław	CzerniachowskaWZ23 [102]
Vinasétan Ratheil Houndji	HoundjiSWD14 [210]
Chandra Reddy	DavenportKRSH07 [106]
Philippe Refalo	GarganiR07 [148]
Yaping Ren	MengZRZL20 [297]
Andrea Rendl	RendlPHPR12 [357]
Hamid Reza Feyzmahdavian	Astrand0F21 [22]
Vahid Riahi	RiahiNS018 [358]
Diane Riopel	KhayatLR06 [229]
Gregory Rix	PesantRR15 [340]
Robert Rodosek	RodosekW98 [359]
Brian Rodrigues	LimRX04 [264]
Jerome Rogerie	LaborieRSV18 [252]
Mohammad Rohaninejad	Mehdizadeh-Somarin23 [295]
Maximiliano Rojel	YuraszeckMCCR23 [450]
Juli Romera	EscobetPQPRA19 [129]
Roberto Rossi	RossiTHP07 [360]
François Roubellat	ArtiguesR00 [19]
Stéphanie Roussel	SquillaciPR23 [387]
Didier Rozzonelli	JourdanFRD94 [215]
Ruiz, Rubén	NaderiRR23 [312]
Hana Rudová	MurinR19 [309]
Martin Ruskowski	ParkUJR19 [336]
Anna Ryabokon	FriedrichFMRSS14 [143]
William S. Havens	DilkinaDH05 [119]
Mark S. Fox	BeckDF97 [43]

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Author	Entries
Marcelo S. Nagano	PrataAN23 [351]
Mohamed S. Gheith	AbohashimaEG21 [2]
David Sacramento	SacramentoSP20 [362]
Shahram Saeidi	AlizdehS20 [11]
Poonam Saini	PandeyS21a [333]
Fabio Salassa	AlfieriGPS23 [10]
Sophia Saller	KoehlerBFFHPSSS21 [234]
Anastasia Salyaeva	KoehlerBFFHPSSS21 [234]
Maria Sander	FriedrichFMRSS14 [143]
Eric Sanlaville	PoderBS04 [343]
Óscar Sapena	GarridoOS08 [150]
Özge Satir Akpunar	IsikYA23 [213]
Abdul Sattar	RiahiNS018 [358]
Peter Scheiblechner	KoehlerBFFHPSSS21 [234]
Klaus Schild	SchildW00 [367]
Thomas Schlechte	HeinzSSW12 [193]
Thorsten Schmidt	BenderWS21 [54]
Günter Schmidt	BlazewiczEP19 [64]
Gunnar Schrader	WolfS05 [440]
Philipp Schrott-Kostwein	KovacsTKSG21 [244]
Uwe Schwiegelshohn	LimtanyakulS12 [268]
Lena Secher Ejlersen	PourDERB18 [347]
Thiago Serra	SerraNM12 [375]
Mei Sha	QinDCS20 [354]
Yufen Shao	GoelSHFS15 [168]
Ganquan Shi	ShiYXQ22 [377]
Zhongshun Shi	QinWSLS21 [353]
Leyuan Shi	QinWSLS21 [353]
Stuart Siegel	DavenportKRSH07 [106]
Maria Silvia Pini	GelainPRVW17 [161]
Vanessa Simard	BoudreaultSLQ22 [80]
Paweł Sitek	WikarekS19 [437]
M. Slusky	GoelSHFS15 [168]
Juha-Pekka Soininen	QuSN06 [355]
Xiaoqing Song	ZhangLS12 [457]
Francis Sourd	SourdN00 [386]
Helge Spieker	MossigeGSMC17 [305]
Samuel Squillaci	SquillaciPR23 [387]
Andreas Starzacher	FriedrichFMRSS14 [143]
Wolfgang Steigerwald	GeitzGSSW22 [160]
Rüdiger Stephan	HeinzSSW12 [193]
Malgorzata Sterna	BlazewiczEP19 [64]
Robin Stöhr	GeitzGSSW22 [160]
Christian Stürck	HubnerGSV21 [211]
Kaile Su	RiahiNS018 [358]
Wei Su	MakMS10 [288]
Kemal Subulan	SubulanC22 [388]
Premysl Sucha	BenediktSMVH18 [56]
Quanxin Sun	TangLWSK18 [395]
Zheng Sun	SunLYL10 [390]
Suresh Sundaram	SureshMOK06 [391]
Pavel Surynek	BartakCS10 [37]
Jirí Svancara	SvancaraB22 [392]
Ria Szeredi	SzerediS16 [393]
Alina Sirbu	GalleguillosKSB19 [147]
Christos T. Maravelias	MaraveliasG04 [292]

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Author	Entries
Willian T. Lunardi	LunardiBLRV20 [283]
Siyu Tang	VlkHT21 [429]
Yuanjie Tang	TangLWSK18 [395]
Fabio Tardivo	TardivoDFMP23 [396]
Armagan Tarim	RossiTHP07 [360]
Ehsan Tarkesh Esfahani	YounespourAKE19 [445]
Reza Tavakkoli-Moghaddam	Fatemi-AnarakiMFN22 [137]
Nikolay Tchernev	BourreauGGLT22 [81]
Erich Teppan	FriedrichFMRST14 [143]
Paolo Terenziani	BrusoniCLMMT96 [85]
Willian Tessaro Lunardi	Lunardi20 [284]
Stephan Teuschl	FrohnerTR19 [145]
Jordan Ticktin	HillTV21 [202]
Kevin Tierney	KelarevaTK13 [226]
Christian Timpe	Timpe02 [404]
Mary Tom	Tom19 [405]
Seyda Topaloglu	TopalogluO11 [406]
Miguel Toro	ValleMGT03 [411]
Meriem Touat	TouatBT22 [407]
Touraivane	Touraivane95 [408]
Mariem Trojet	TrojetHL11 [409]
Semra Tunalı	OzturkTHO13 [332]
Paul Tyler	HebrardTW05 [189]
Jumyung Um	ParkUJR19 [336]
J. V. Moccellini	AbreuAPNM21 [107]
Behdin Vahedi-Nouri	Fatemi-AnarakiMFN22 [137]
Roshanaei, Vahid	NaderiRR23 [312]
Karen Villaverde	VillaverdeP04 [428]
Mariona Vilà	YuraszeckMPV22 [449]
Rebekka Volk	HubnerGSV21 [211]
Holger Voos	LunardiBLRV20 [283]
Thomas W. M. Vossen	HillTV21 [202]
Kai Waelti	KoehlerBFFHPSSS21 [234]
Runsen Wang	QinWSLS21 [353]
Futian Wang	TangLWSK18 [395]
Shouyang Wang	ZhangW18 [456]
Tao Wang	WangMD15 [434]
Jan Weglarz	BlazewiczEP19 [64]
Christine Wei Wu	WuBB05 [443]
Kong Wei Lye	LauLN08 [257]
Johan Wessén	WessenCS20 [436]
Jaroslav Wikarek	WikarekS19 [437]
Campbell Wilson	He0GLW18 [188]
Michael Winkler	HeinzSSW12 [193]
David Wittwer	BenderWS21 [54]
Jörg Würtz	SchildW00 [367]
Quanshi Xia	ChuX05 [95]
Hegen Xiong	FanXG21 [135]
Zhou Xu	LimRX04 [264]
Yang Xu	ShiYXQ22 [377]
Tanya Y. Tang	TangB20 [394]
El Yaakoubi Anass	FallahiAC20 [134]
Hong Yan	HookerY02 [209]
Moli Yang	YangSS19 [444]
Zhouwang Yang	ShiYXQ22 [377]
Jia-Sheng Yao	HoYCLLC18 [203]

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Author	Entries
Min Yao	SunLYL10 [390]
Seung Yeob Shin	ShinBBHO18 [378]
Vassilios Yfantis	KlankeBYE21 [232]
Maryam Younespour	YounespourAKE19 [445]
Chunxia Yu	ZhangYW21 [455]
Xinghuo Yu	MartinPY01 [293]
Oleg Yu. Gusikhin	BarlattCG08 [33]
Pinar Yunusoglu	YunusogluY22 [447]
Marco Zaffalon	Darby-DowmanLMZ97 [104]
Stéphane Zampelli	DerrienPZ14 [117]
Bahram Zarrin	BarzegaranZP20 [42]
Mengjie Zhang	abs-2402-00459 [316]
Haotian Zhang	ZhangJZL22 [454]
Luping Zhang	ZhangYW21 [455]
Chaoyong Zhang	MengZRZL20 [297]
Biao Zhang	MengZRZL20 [297]
Sicheng Zhang	ZhangW18 [456]
Xujun Zhang	ZhangLS12 [457]
Lihui Zhang	ZouZ20 [464]
Jinlian Zhou	ZhouGL15 [460]
Pawel Zielinski	FortinZDF05 [141]
Xin Zou	ZouZ20 [464]
Mathijs de Weerd	BogaerdW19 [413]
Bruno de Athayde Prata	AbreuAPNM21 [107]
Roman van der Krogt	KrogtLPHJ07 [414]
Pim van den Bogaerd	BogaerdW19 [413]
Stefano Di Alesio	AlesioNBG14 [118]
Selin Özpeynirci	GokgurHO18 [169]
Cemalettin Öztürk	OzturkTHO13 [332]
Nahum Álvarez	PovedaAA23 [348]
Seán Óg Murphy	MurphyMB15 [310]
Gizem Çakir	SubulanC22 [388]

5 Problem Classification

Table 9: Problem Classification Types

Code	Name
JSSP	Job-Shop Scheduling Problem
JSPT	Job-Shop Scheduling Problem with Transportation
PP-MS-MMRCPSP/max-cal	partially preemptive- multi-skill/mode resource-constrained project scheduling problem with generalized precedence relations and resource calendars
RCPSP	Resource Constrained Project Scheduling Problem
TMS	Transmission Network Maintenance Planning
PMSP	Parallel Machine Scheduling Problem
HFF	Hybrid Flexible Flow-shop
$HFFm tt C_{\max}$	Hybrid Flexible Flowshop with Transportation Times
OSP	Oven Scheduling Problem
PTC	Scheduling Problem with Time Constraints
GCSP	Group Cumulative Scheduling Problem
2BPHFSP	Two-Stage Bin Packing and Hybrid Flow Shop Scheduling Problem
CTW	Cable Tree Wiring Problem
CHSP	Cyclic Hoist Scheduling Problem
CECSP	Continuous Energy-Constrained Scheduling Problem
CuSP	Cumulative Scheduling Problem
SBSFMMAL	Simultaneous Balancing and Scheduling of Flexible Mixed Model Assembly Lines
SMSDP	steel mill slab design problem
KRFP	kernel resource feasibility problem
TCSP	Temporal Constraint Satisfaction Problem
PJSSP	Pre-emptive Job-Shop scheduling Problem
MGAP	Modified Generalized Assignment Problem
EOSP	Earth Observation Scheduling Problem
SCC	Steel-making and continuous casting
OSSP	Open Shop Scheduling Problem
FJS	Fixed Job Scheduling
RCPSPDC	Resource-constrained Project Scheduling Problem with Discounted Cashflow
LSFRP	Liner Shipping Fleet Repositioning Problem
BPCTOP	Bulk Port Cargo Throughput Optimisation Problem

6 Concept Matching

In order to find out properties of the articles, we try to find concepts in the pdf versions of the articles. We use the *pdfgrep* command to search for the number of occurrences of certain regular expressions in the files. This often clearly identifies the constraints used in the model, and the solvers that are discussed.

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	Allen's algebra			
Concepts	BOM	SubulanC22 [388]		abs-1902-01193 [9]
Concepts	activity	TardivoDFMP23 [396], AalianPG23 [1], PovedaAA23 [348], TouatBT22 [407], CampeauG22 [88], SubulanC22 [388], SvancaraB22 [392], BenderWS21 [54], KlankeBYE21 [232], HubnerGSV21 [211], BadicaBI20 [25], ZouZ20 [464], Polo-MejiaALB20 [345], AstrandJZ20 [24], BadicaBIL19 [26], abs-1902-09244 [187], abs-1911-04766 [157], GeibingerMM19 [158], HauderBRPA19 [186], MurinR19 [309], YounespourAKE19 [445], LaborieRSV18 [252], GokgurHO18 [169], BorghesiBLMB18 [78], TangLWSK18 [395], AstrandJZ18 [23], CappartS17 [89], Pralet17 [349], KreterSS17 [246]... (Total: 112)	YuraszeckMCCR23 [450], Bit-Monnot23 [63], BoudreaultSLQ22 [80], PopovicCGNC22 [346], LunardiBLRV20 [283], YangSS19 [444], EscobetPQPRA19 [129], Novas19 [321], ShinBBHO18 [378], SchuttS16 [373], BoothNB16 [77], VilimLS15 [427], GoelSHFS15 [168], DoulabiRP14 [122], LombardiM13 [279], BonfiettiM12 [75], ChapadosJR11 [94], ZibranR11 [462], SchuttFSW09 [371], PoderB08 [342], GarridoOS08 [150], KrogLPHJ07 [414], Simonis07 [384], KhayatLR06 [229], Geske05 [162], MoffittPP05 [299], DannaP03 [103], Bartak02 [35], KamarainenS02 [219]... (Total: 33)	PrataAN23 [351], CzerniachowskaWZ23 [102], ShaikhK23 [376], abs-2312-13682 [339], SquillaciPR23 [387], abs-2305-19888 [197], PerezGSL23 [338], HeinzNVH22 [196], PohlAK22 [344], abs-2211-14492 [389], OuelletQ22 [330], MullerMKP22 [308], YunusogluY22 [447], ZhangYW21 [455], HillTV21 [202], GeibingerMM21 [159], PandeyS21a [333], AstrandOF21 [22], QinDCS20 [354], Mercier-AubinGQ20 [298], SacramentoSP20 [362], NishikawaSTT19 [319], abs-1902-01193 [9], Tom19 [405], GalleguillosKSB19 [147], NishikawaSTT18 [317], NishikawaSTT18a [318], DemirovicS18 [114], MossigeGSMC17 [305]... (Total: 67)
Concepts	batch process	LacknerMMWW23 [254], LacknerMMWW21 [253], QinWSLS21 [353], NovaraNH16 [320], KoschB14 [237]	TangB20 [394], NovasH10 [322], Vilim02 [418], SimonisC95 [385]	PrataAN23 [351], IsikYA23 [213], YuraszeckMCCR23 [450], YunusogluY22 [447], MullerMKP22 [308], SvancaraB22 [392], OujanaAYB22 [331], LuoB22 [285], LiFJZLL22 [262], ColT22 [100], AbreuN22 [108], GeitzGSSW22 [160], FanXG21 [135], ZhangYW21 [455], KlankeBYE21 [232], MengZRZL20 [297], EscobetPQPRA19 [129], Ham18 [183], FahimiOQ18 [132], LaborieRSV18 [252], CauwelaertDMS16 [92], GrimesH10 [173], Simonis07 [384], VilimBC05 [426], ArtiguesBF04 [18], Vilim04 [420]
Concepts	bill of material			Simonis07 [384]
Concepts	buffer-capacity		SureshMOK06 [391]	LiFJZLL22 [262], OujanaAYB22 [331], RiahiNS018 [358], BonfiettiLBM14 [72], NovasH14 [324], ZeballosH05 [452]
Concepts	cmax	JuvinHHL23 [217], YuraszeckMCCR23 [450], YuraszeckMC23 [448], KameugneFND23 [222], NaderiRR23 [312], abs-2305-19888 [197], IsikYA23 [213], YunusogluY22 [447], FetgoD22 [138], AbreuN22 [108], abs-2211-14492 [389], QinWSLS21 [353], AbohashimaEG21 [2], ArmstrongGOS21 [15], Polo-MejiaALB20 [345], QinDCS20 [354], MengZRZL20 [297], GodetLHS20 [167], WikarekS19 [437], YounespourAKE19 [445], MalapertN19 [289], Ham18 [183], GedikKEK18 [155], KameugneFGOQ18 [221], VilimLS15 [427], OzturkTHO13 [332], BillautHL12 [62], GrimesH11 [174], BeldiceanuCDP11 [50]... (Total: 35)	Mehdizadeh-Somarin23 [295], BoudreaultSLQ22 [80], MullerMKP22 [308], ArmstrongGOS22 [16], HamPK21 [184], AbreuAPNM21 [107], ParkUJR19 [336], Novas19 [321], ArbaouiY18 [14], WangMD15 [434], ZhouGL15 [460], ZhangLS12 [457], BeckFW11 [44], BartakSR10 [39], MoffittPP05 [299], Muscettola02 [311], ArtiguesR00 [19], SourdN00 [386]	JuvinHL23 [218], Teppan22 [400], ZhangYW21 [455], HanenKP21 [185], HubnerGSV21 [211], GokgurHO18 [169], LiuCGM17 [270], BofillCSV17 [66], SialaAH15 [380], KoschB14 [237], WatsonB08 [435], LiessM08 [263], AkkerDH07 [412], KerIK07 [228], KhayatLR06 [229], BaptisteP00 [31], FocacciLN00 [139]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	completion-time	PrataAN23 [351], JuvinHL23 [218], Mehdizadeh-Somarin23 [295], AlfieriGPS23 [10], NaderiRR23 [312], KameugneFND23 [222], YuraszeckMPV22 [449], AbreuN22 [108], YunusogluY22 [447], SubulanC22 [388], OuelletQ22 [330], FetgoD22 [138], KlankeBYE21 [232], Bedhief21 [45], ArmstrongGOS21 [15], LunardiBLRV20 [283], QinDCS20 [354], YounespourAKE19 [445], FahimiOQ18 [132], RiahiNS018 [358], ZhangW18 [456], ArbaouiY18 [14], GedikKEK18 [155], KameugneFGOQ18 [221], GingrasQ16 [164], DejemeppeCS15 [111], ZhouGL15 [460], KoschB14 [237], OzturkTHO13 [332]... (Total: 49)	CzerniachowskaWZ23 [102], abs-2305-19888 [197], MullerMKP22 [308], ColT22 [100], Teppan22 [400], TouatBT22 [407], OujanaAYB22 [331], HeinzNVH22 [196], abs-2211-14492 [389], LiFJZLL22 [262], AbreuAPNM21 [107], HanenKP21 [185], FanXG21 [135], GeibingerMM21 [159], QinWSLS21 [353], NattafM20 [315], Mercier-AubinGQ20 [298], Polo-MejiaALB20 [345], YangSS19 [444], abs-1902-09244 [187], BogaerdTW19 [413], abs-1911-04766 [157], MalapertN19 [289], HauderBRPA19 [186], GeibingerMM19 [158], ParkUJR19 [336], Ham18 [183], OuelletQ18 [329], KreterSS17 [246]... (Total: 54)	abs-2402-00459 [316], TasselGS23 [397], MontemanniD23a [303], AkramNHRSA23 [8], IsikYA23 [213], abs-2306-05747 [398], PerezGSL23 [338], JuvinHHL23 [217], PopovicCGNC22 [346], PohlAK22 [344], GeitzGSSW22 [160], CampeauG22 [88], ZhangJZL22 [454], WinterMMW22 [438], ArmstrongGOS22 [16], HubnerGSV21 [211], VlkHT21 [429], PandeyS21a [333], HamPK21 [184], WessenCS20 [436], BadicaBI20 [25], MengZRZL20 [297], MokhtarzadehTNF20 [300], GodetLHS20 [167], SacramentoSP20 [362], ZouZ20 [464], AstrandJZ20 [24], BadicaBIL19 [26], Novas19 [321]... (Total: 80)
Concepts	continuous-process			GaySS14 [154], Bartak02 [35], SimonisC95 [385]
Concepts	distributed	PrataAN23 [351], NaderiRR23 [312], MengZRZL20 [297], HeOGLW18 [188], BridiLBBM16 [84], BridiBLMB16 [83], ZhouGL15 [460], BonfiettiLM14 [74], BartakS11 [38], BartakSR10 [39], RuggieroBBMA09 [361], BorghesiBLMB18 [415], RossiTHP07 [360], SureshMOK06 [391], GomesHS06 [172], Geske05 [162], LammaMM97 [256]	IsikYA23 [213], ShaikhK23 [376], OujanaAYB22 [331], JungblutK22 [216], AbreuN22 [108], YuraszeckMPV22 [449], AbreuAPNM21 [107], MokhtarzadehTNF20 [300], ZouZ20 [464], NishikawaSTT19 [319], BorghesiBLMB18 [78], ZhangW18 [456], ZarandiKS16 [451], AlesioNBG14 [118], BegB13 [46], HermenierDL11 [201], LopesCSM10 [280], SunLYL10 [390], BeniniBGM06 [57], ZhuS02 [461], SchildW00 [367], Wallace96 [430]	YuraszeckMC23 [448], KimCMLLP23 [231], Bit-Monnot23 [63], AlfieriGPS23 [10], MontemanniD23 [304], abs-2305-19888 [197], SquillaciPR23 [387], GurPAE23 [181], AkramNHRSA23 [8], abs-2211-14492 [389], HeinzNVH22 [196], TouatBT22 [407], BoudreaultSLQ22 [80], Teppan22 [400], ColT22 [100], LiFJZLL22 [262], WinterMMW22 [438], HamPK21 [184], GeibingerKKMMW21 [156], PandeyS21a [333], FanXG21 [135], BenderWS21 [54], KovacsTKSG21 [244], ZhangYW21 [455], VlkHT21 [429], SacramentoSP20 [362], GroleazNS20a [177], BarzegaranZP20 [42], WangB20 [432]... (Total: 95)
Concepts	due-date	OujanaAYB22 [331], ColT22 [100], FanXG21 [135], AntuoriHHEN21 [13], TangB20 [394], Mercier-AubinGQ20 [298], abs-1902-09244 [187], Novas19 [321], abs-1911-04766 [157], HauderBRPA19 [186], Tesch18 [402], GoldwaserS17 [170], NovaraNH16 [320], DoulabiRP14 [122], KoschB14 [237], HoundjiSWD14 [210], LimtanyakulS12 [268], KelbelH11 [227], NovasH10 [322], ZeballosQH10 [453], BartakSR10 [39], MonetteDH09 [302], Simonis07 [384], KrogLPHJ07 [414], Hooker06 [207], Sadykov04 [363], PapaB98 [335], Zhou97 [459], Zhou96 [458], Colombani96 [101]	PrataAN23 [351], LacknerMMWW23 [254], IsikYA23 [213], NaderiRR23 [312], YunusogluY22 [447], abs-2211-14492 [389], WinterMMW22 [438], LacknerMMWW21 [253], GeibingerMM21 [159], GroleazNS20a [177], GeibingerMM19 [158], FahimiOQ18 [132], ZarandiKS16 [451], GrimesIOS14 [176], HeinzSB13 [195], GrimesH11 [174], LombardiM10a [275], MakMS10 [288], SchuttW10 [374], Davenport10 [105], ThiruvadyBME09 [403], abs-0907-0939 [341], MouraSCL08a [306], Limtanyakul07 [267], SadykovW06 [364], Hooker05a [206], ZeballosH05 [452], ChuX05 [95], QuirogaZH05 [356]... (Total: 33)	abs-2402-00459 [316], YuraszeckMC23 [448], KimCMLLP23 [231], JuvinHHL23 [217], ZhangJZL22 [454], SubulanC22 [388], TouatBT22 [407], YuraszeckMPV22 [449], MullerMKP22 [308], KlankeBYE21 [232], HubnerGSV21 [211], Bedhief21 [45], KovacsTKSG21 [244], VlkHT21 [429], HanenKP21 [185], LunardiBLRV20 [283], Polo-MejiaALB20 [345], GroleazNS20 [178], AstrandJZ20 [24], ParkUJR19 [336], EscobetPQPRA19 [129], GokgurHO18 [169], GedikKEK18 [155], LaborieRSV18 [252], Laborie18a [251], Ham18 [183], Pralet17 [349], Hooker17 [208], NattafAL15 [313]... (Total: 60)
Concepts	earliness	PrataAN23 [351], KimCMLLP23 [231], TouatBT22 [407], PohlAK22 [344], abs-1902-09244 [187], HauderBRPA19 [186], LaborieRSV18 [252], ZarandiKS16 [451], LombardiM12 [278], KelbelH11 [227], GrimesH11 [174], Laborie09 [250], MonetteDH09 [302], KeriK07 [228], DannaP03 [103]	MengZRZL20 [297], KovacsB11 [239], Davenport10 [105]	abs-2402-00459 [316], NaderiRR23 [312], IsikYA23 [213], AlfieriGPS23 [10], LacknerMMWW23 [254], YunusogluY22 [447], FanXG21 [135], LacknerMMWW21 [253], Polo-MejiaALB20 [345], Mercier-AubinGQ20 [298], ColT19 [99], GokgurHO18 [169], ZhangW18 [456], NovaraNH16 [320], VilimLS15 [427], LimBTBB15 [266], SialaAH15 [380], HeinzB12 [191], EdisO11 [124], KovacsK11 [241], ZeballosQH10 [453], NovasH10 [322], KovacsV06 [243], QuirogaZH05 [356], GodardLN05 [165], Bartak02a [34], KamarainenS02 [219], Bartak02 [35], ArtiguesR00 [19]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	flow-shop	PrataAN23 [351], CzerniachowskaWZ23 [102], NaderiRR23 [312], AlfieriGPS23 [10], IsikYA23 [213], JuvinHL23 [218], ArmstrongGOS22 [16], OujanaAYB22 [331], ColT22 [100], ZhangJZL22 [454], AbreuN22 [108], LiFJZLL22 [262], QinWSLS21 [353], ArmstrongGOS21 [15], Bedhief21 [45], AbreuAPNM21 [107], MengZRZL20 [297], AstrandJZ20 [24], Novas19 [321], ParkUJR19 [336], ZhangW18 [456], ZhouGL15 [460], LorigeonBB02 [282], SourdN00 [386]	Mehdizadeh-Somarin23 [295], YuraszeckMPV22 [449], KoehlerBFFHPSSS21 [234], FanXG21 [135], TangB20 [394], HauderBRPA19 [186], abs-1902-09244 [187], LaborieRSV18 [252], GrimesH11 [174], KovacsB11 [239], BartakSR10 [39], AggounB93 [6]	TasselGS23 [397], AalianPG23 [1], YuraszeckMCCR23 [450], abs-2305-19888 [197], JuvinHHL23 [217], abs-2306-05747 [398], abs-2211-14492 [389], TouatBT22 [407], HeinzNVH22 [196], Teppan22 [400], LacknerMMWW21 [253], HillTV21 [202], KovacsTKSG21 [244], PandeyS21a [333], HamPK21 [184], WallaceY20 [431], SacramentoSP20 [362], LunardiBLRV20 [283], WikarekS19 [437], RiahiNS018 [358], GokgurHO18 [169], ZarandiKS16 [451], OzturkTHO13 [332], LombardiM12 [278], BillautHL12 [62], KovacsK11 [241], BartakCS10 [37], GrimesH10 [173], LauLN08 [257]... (Total: 38)
Concepts	flow-time	YuraszeckMPV22 [449], FanXG21 [135], NattafM20 [315], MalapertN19 [289], ZhangW18 [456]	PrataAN23 [351], AlfieriGPS23 [10], YunusogluY22 [447]	TasselGS23 [397], abs-2306-05747 [398], YuraszeckMC23 [448], YuraszeckMCCR23 [450], LiFJZLL22 [262], AbreuN22 [108], KoehlerBFFHPSSS21 [234], MengZRZL20 [297], ParkUJR19 [336], Novas19 [321], KovacsB11 [239], EdisO11 [124], QuirogaZH05 [356]
Concepts	inventory	SubulanC22 [388], GilesH16 [163], GoelSHFS15 [168], SerraNM12 [375], LopesCSM10 [280], RossiTHP07 [360], Timpe02 [404], BeckDF97 [43]	Novas19 [321], MakMS10 [288], LauLN08 [257], MouraSCL08a [306], DavenportKRSH07 [106], GarganiR07 [148]	PrataAN23 [351], PerezGSL23 [338], abs-2312-13682 [339], AlfieriGPS23 [10], GurPAE23 [181], AbreuN22 [108], PohlAK22 [344], YunusogluY22 [447], HubnerGSV21 [211], KovacsTKSG21 [244], GroleazNS20a [177], GroleazNS20 [178], abs-1902-09244 [187], YounespourAKE19 [445], WikarekS19 [437], HauderBRPA19 [186], Ham18 [183], LaborieRSV18 [252], ShinBBHO18 [378], SchuttS16 [373], SimoninAHL15 [382], HoundjiSWD14 [210], KelarevaTK13 [226], HeinzSSW12 [193], LombardiM12 [278], KelbelH11 [227], Laborie09 [250], MouraSCL08 [307], KrogLPHJ07 [414]... (Total: 31)
Concepts	job	PrataAN23 [351], abs-2402-00459 [316], KimCMLLP23 [231], JuvinHHL23 [217], AlfieriGPS23 [10], YuraszeckMC23 [448], IsikYA23 [213], WangB23 [433], LacknerMMWW23 [254], Bit-Monnot23 [63], CzerniachowskaWZ23 [102], abs-2306-05747 [398], NaderiRR23 [312], JuvinHL23 [218], TasselGS23 [397], Mehdiadeh-Somarin23 [295], YuraszeckMCCR23 [450], LiFJZLL22 [262], TouatBT22 [407], YunusogluY22 [447], GeitzGSSW22 [160], MullerMKP22 [308], WinterMMW22 [438], ArmstrongGOS22 [16], OujanaAYB22 [331], AbreuN22 [108], ZhangJZL22 [454], abs-2211-14492 [389], Teppan22 [400]... (Total: 170)	EfthymiouY23 [125], ShaikhK23 [376], abs-2305-19888 [197], HeinzNVH22 [196], BourreauGGLT22 [81], LuoB22 [285], HanenKP21 [185], Mercier-AubinGQ20 [298], MokhtarzadehTNF20 [300], Tom19 [405], EscobetPQPRA19 [129], GurEA19 [465], PourDERB18 [347], CappartS17 [89], NattafAL17 [314], ZarandiKS16 [451], Madi-WambaB16 [286], LetortCB15 [261], ZhouGL15 [460], PraletLJ15 [350], BonfiettiLBM14 [72], BonfiettiLM14 [74], LombardiM12 [278], KovacsK11 [241], Simonis07 [384], KovacsV06 [243], Hooker06 [207], SureshMOK06 [391], Geske05 [162]... (Total: 38)	PovedaAA23 [348], CampeauG22 [88], PohlAK22 [344], KlankeBYE21 [232], HubnerGSV21 [211], AntuoriHHEN21 [13], BenderWS21 [54], WessenCS20 [436], QinDCS20 [354], Polo-MejiaALB20 [345], FrimodigS19 [144], TangLWSK18 [395], HoYCLLC18 [203], BaptisteB18 [28], ShinBBHO18 [378], HechingH16 [190], NovaraNH16 [320], BurtLPS15 [86], WangMD15 [434], LimBTBB15 [266], BartakV15 [40], LombardiBM15 [272], MelgarejoLS15 [7], BessiereHMQW14 [61], DerrienPZ14 [117], KameugneFSN14 [224], AlesioNBG14 [118], BonfiettiLM13 [73], BonfiettiM12 [75]... (Total: 66)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	job-shop	abs-2402-00459 [316], PrataAN23 [351], abs-2306-05747 [398], Mehdizadeh-Somarin23 [295], KimCMLLP23 [231], CzerniachowskaWZ23 [102], JuvinHHL23 [217], Bit-Monnot23 [63], NaderiRR23 [312], YuraszeckMCCR23 [450], TasselGS23 [397], MullerMKP22 [308], Teppan22 [400], OujanaAYB22 [331], abs-2211-14492 [389], YuraszeckMPV22 [449], LiFJZLL22 [262], GeitzGSSW22 [160], ColT22 [100], HamPK21 [184], KovacsTKSG21 [244], AbreuAPNM21 [107], FanXG21 [135], ZhangYW21 [455], MengZRZL20 [297], LunardiBLRV20 [283], AstrandJZ20 [24], MurinR19 [309], Novas19 [321]... (Total: 75)	IsikYA23 [213], EfthymiouY23 [125], AlfieriGPS23 [10], TouatBT22 [407], YunusogluY22 [447], AbreuN22 [108], LuoB22 [285], QinWSLS21 [353], ArmstrongGOS21 [15], Astrand0F21 [22], KoehlerBFFHPSSS21 [234], GroleazNS20 [178], SacramentoSP20 [362], EscobetPQPRA19 [129], WikarekS19 [437], GokgurHO18 [169], MossigeGSMC17 [305], CappartS17 [89], BonfiettiLM14 [74], GaySS14 [154], BonfiettiLBM14 [72], LombardiM12 [278], AronssonBK09 [17], LauLN08 [257], KovacsV06 [243], VilimBC05 [426], HebrardTW05 [189], Geske05 [162], VilimBC04 [425]... (Total: 36)	ShaikhK23 [376], YuraszeckMC23 [448], PovedaAA23 [348], LacknerMMWW23 [254], JuvinHL23 [218], HanenKP21 [185], KlankeBYE21 [232], AntuoriHHEN21 [13], BenediktMH20 [55], WessenCS20 [436], Mercier-AubinGQ20 [298], WallaceY20 [431], Tom19 [405], GurEA19 [465], HauderBRPA19 [186], FrimodigS19 [144], BogaerdtW19 [413], abs-1902-09244 [187], ParkUJR19 [336], BenediktSMVH18 [56], Ham18 [183], ZarandiKS16 [451], PraletLJ15 [350], LimBTBB15 [266], BartakV15 [40], LombardiBM15 [272], ZhouGL15 [460], WangMD15 [434], BurtLPS15 [86]... (Total: 73)
Concepts	lateness	FahimiOQ18 [132], KoschB14 [237], BartakSR10 [39], Geske05 [162], ArtiguesR00 [19]	PrataAN23 [351], PohlAK22 [344], ZhangW18 [456], AkkerDH07 [412], Sadykov04 [363]	LacknerMMWW23 [254], YunusogluY22 [447], GeitzGSSW22 [160], ColT22 [100], KoehlerBFFHPSSS21 [234], HanenKP21 [185], QinWSLS21 [353], LacknerMMWW21 [253], Novas19 [321], ParkUJR19 [336], Tesch18 [402], BartakV15 [40], EdisO11 [124], NovasH10 [322], SadykovW06 [364], Bartak02 [35]
Concepts	lazy clause generation	KreterSS17 [246], KreterSS15 [245], SchuttFS13 [370], KelarevaTK13 [226], SchuttFS13a [369], SchuttFSW11 [372], SchuttFSW09 [371]	PovedaAA23 [348], Bit-Monnot23 [63], BoudreaultSLQ22 [80], GeitzGSSW22 [160], OuelletQ22 [330], FahimiOQ18 [132], SchuttS16 [373], SzerediS16 [393], SialaAH15 [380], BofilLEGPSV14 [67], GuSS13 [180], SchuttCSW12 [368]	WangB23 [433], TardivoDFMP23 [396], KameugneFND23 [222], FetgoD22 [138], GeibingerMM21 [159], HillTV21 [202], GodetLHS20 [167], WallaceY20 [431], Mercier-AubinGQ20 [298], YangSS19 [444], BaptisteB18 [28], YoungFS17 [446], BofilCSV17 [66], GoldwaserS17 [170], PesantRR15 [340], LombardiM12 [278], GrimesH11 [174], SchuttW10 [374]
Concepts	machine	abs-2402-00459 [316], PrataAN23 [351], IsikYA23 [213], CzerniachowskaWZ23 [102], YuraszeckMCCR23 [450], NaderiRR23 [312], TasselGS23 [397], Mehdizadeh-Somarin23 [295], AalianPG23 [1], JuvinHL23 [218], PerezGSL23 [338], JuvinHHL23 [217], abs-2312-13682 [339], LacknerMMWW23 [254], EfthymiouY23 [125], abs-2306-05747 [398], AlfieriGPS23 [10], YuraszeckMC23 [448], abs-2305-19888 [197], KimCMLLP23 [231], LiFJZLL22 [262], ArmstrongGOS22 [16], JungblutK22 [216], abs-2211-14492 [389], GeitzGSSW22 [160], YuraszeckMPV22 [449], ZhangJZL22 [454], AbreuN22 [108], Teppan22 [400]... (Total: 163)	Bit-Monnot23 [63], AkramNHRSA23 [8], GurPAE23 [181], LuoB22 [285], HillTV21 [202], KlankeBYE21 [232], AbohashimaEG21 [2], Polo-MejiaALB20 [345], BehrensLM19 [47], BaptisteB18 [28], He0GLW18 [188], Ham18 [183], ShinBBHO18 [378], FahimiOQ18 [132], GoldwaserS17 [170], KreterSS17 [246], Pralet17 [349], BridiLBBM16 [84], SchuttS16 [373], CauwelaertDMS16 [92], ZarandiKS16 [451], SialaAH15 [380], DejemeppeCS15 [111], MurphyMB15 [310], GaySS14 [154], BonfiettiLBM14 [72], LombardiM12 [278], BonfiettiLBM12 [71], BeniniLMR11 [58]... (Total: 43)	KameugneFND23 [222], MontemanniD23 [304], ShaikhK23 [376], BoudreaultSLQ22 [80], PopovicCGNC22 [346], SubulanC22 [388], PohlAK22 [344], GeibingerMM21 [159], WallaceY20 [431], WangB20 [432], BarzegaranZP20 [42], Mercier-AubinGQ20 [298], YangSS19 [444], BadicaBIL19 [26], NishikawaSTT19 [319], Tom19 [405], YounespourAKE19 [445], HoYCLLC18 [203], PourDERB18 [347], Laborie18a [251], BofilCSV17 [66], CappartS17 [89], KletzanderM17 [233], YoungFS17 [446], LiuCGM17 [270], LimHTB16 [265], NovaraNH16 [320], SzerediS16 [393], DoulabiRP16 [123]... (Total: 97)
Concepts	make to order			OujanaAYB22 [331], DavenportKRSH07 [106], Simonis07 [384]
Concepts	make to stock			

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	make-span	PrataAN23 [351], JuvinHL23 [218], EfthymiouY23 [125], PovedaAA23 [348], AlfieriGPS23 [10], abs-2305-19888 [197], NaderiRR23 [312], TasselGS23 [397], Bit-Monnot23 [63], abs-2306-05747 [398], AalianPG23 [1], CzerniachowskaWZ23 [102], LacknerMMWW23 [254], JuvinHHL23 [217], YuraszeckMC23 [448], IsikYA23 [213], Mehdizadeh-Somarin23 [295], HeinzNVH22 [196], AbreuN22 [108], GeitzGSSW22 [160], BoudreaultSLQ22 [80], YunusogluY22 [447], SubulanC22 [388], ArmstrongGOS22 [16], TouatBT22 [407], ColT22 [100], KlankeBYE21 [232], AbreuAPNM21 [107], HampPK21 [184]... (Total: 123)	YuraszeckMCCR23 [450], abs-2312-13682 [339], PerezGSL23 [338], KameugneFND23 [222], MullerMKP22 [308], SvancaraB22 [392], OujanaAYB22 [331], ZhangJZL22 [454], abs-2211-14492 [389], YuraszeckMPV22 [449], LiFJZLL22 [262], PandeyS21a [333], FanXG21 [135], QinDCS20 [354], AstrandJZ18 [23], KreterSS17 [246], YoungFS17 [446], BonfiettiZLM16 [76], GingrasQ16 [164], SialaAH15 [380], DejemeppeCS15 [111], GayHLS15 [151], BonfiettiLBM14 [72], KameugneFSN14 [224], GuSS13 [180], LombardiM12 [278], BillautHL12 [62], SchuttCSW12 [368], TrojetHL11 [409]... (Total: 42)	KimCMLLP23 [231], TardivoDFMP23 [396], Teppan22 [400], PopovicCGNC22 [346], CampeauG22 [88], JungblutK22 [216], FetgoD22 [138], HanenKP21 [185], KoehlerBFFHPSSS21 [234], HubnerGSV21 [211], Mercier-AubinGQ20 [298], TangB20 [394], NattafM20 [315], SacramentoSP20 [362], NishikawaSTT19 [319], MurinR19 [309], abs-1911-04766 [157], BadicaBIL19 [26], Tom19 [405], GeibingerMM19 [158], NishikawaSTT18 [317], BorghesiBLMB18 [78], ArbaouiY18 [14], Ham18 [183], NishikawaSTT18a [318], OuelletQ18 [329], KameugneFGOQ18 [221], Tesch18 [402], NattafAL17 [314]... (Total: 80)
Concepts	manpower	NovaraNH16 [320]	LaborieRSV18 [252]	BourreauGGLT22 [81], BadicaBI20 [25], MokhtarzadehTNF20 [300], WikarekS19 [437], BaptisteB18 [28], SchuttS16 [373], HechingH16 [190], GayHS15a [153], GaySS14 [154], LombardiM12 [278], Vilim11 [424], NovasH10 [322], NuijtenP98 [326], SimonisC95 [385], Puget95 [352]
Concepts	multi-agent	SvancaraB22 [392], BehrensLM19 [47], HeOGLW18 [188], HoeveGSL07 [415]	MokhtarzadehTNF20 [300], abs-1901-07914 [48], LimHTB16 [265], BartakSR10 [39], BocewiczBB09 [65]	abs-2402-00459 [316], Mehdizadeh-Somarin23 [295], SquillaciPR23 [387], AbreuAPNM21 [107], ZhangYW21 [455], WessenCS20 [436], WikarekS19 [437], BadicaBIL19 [26], ZhangW18 [456], LimBTBB15 [266], KoschB14 [237], BartakS11 [38], GomesHS06 [172], AbrilSB05 [3], Wallace96 [430], ColT22 [100], TouatBT22 [407], FanXG21 [135], Bedhief21 [45], MengZRZL20 [297], ParkUJR19 [336], MonetteDD07 [301], ArtiguesR00 [19]
Concepts	no preempt			YuraszeckMCCR23 [450], YuraszeckMC23 [448], KimCMLLP23 [231], ShaikhK23 [376], OujanaAYB22 [331], ColT22 [100], Astrand0F21 [22], AstrandJZ20 [24], ParkUJR19 [336], SialaAH15 [380], BonfiettiLM14 [74], AlesioNBG14 [118], BillautHL12 [62], SchuttFSW11 [372], GrimesH11 [174], BartakSR10 [39], SchuttFSW09 [371], ThiruvadyBME09 [403], VilimBC05 [426], ArtiouchineB05 [20], HentenryckM04 [199], VilimBC04 [425], Vilim03 [419], ElkhayariGJ02a [127], VerfaillieL01 [417], SourdN00 [386]
Concepts	open-shop	PrataAN23 [351], Bit-Monnot23 [63], NaderiRR23 [312], YuraszeckMPV22 [449], AbreuN22 [108], AbreuAPNM21 [107], FahimiOQ18 [132], GrimesHM09 [175], MonetteDD07 [301], LorigeonBB02 [282], FocacciLN00 [139]	SacramentoSP20 [362], MengZRZL20 [297], GrimesH10 [173], Vilim05 [421]	MontemanniD23 [304], AkramNHRSA23 [8], Mehdizadeh-Somarin23 [295], ZhangJZL22 [454], AbohashimaEG21 [2], ZhangYW21 [455], MokhtarzadehTNF20 [300], KucukY19 [249], abs-1902-01193 [9], GalleguillosKSB19 [147], ArbaouiY18 [14], BenediktSMVH18 [56], HeOGLW18 [188], Hooker17 [208], Bonfietti16 [69], SzerediS16 [393], HechingH16 [190], BridiLBBM16 [84], GayHS15a [153], DoulabiRP14 [122], GuSS13 [180], LombardiM13 [279], SchuttFS13 [370], BonfiettiLM13 [73], HeinzKB13 [192], HeinzB12 [191], BonfiettiLBM11 [70], ChapadosJR11 [94], SunLYL10 [390]... (Total: 52)
Concepts	order	abs-2402-00459 [316], PrataAN23 [351], EfthymiouY23 [125], AlfieriGPS23 [10], abs-2312-13682 [339], CzerniachowskaWZ23 [102], TasselGS23 [397], AalianPG23 [1], abs-2306-05747 [398], Bit-Monnot23 [63], JuvinHL23 [218], WangB23 [433], KameugneFND23 [222], LacknerMMWW23 [254], PerezGSL23 [338], JuvinHHL23 [217], SquillaciPR23 [387], IsikYA23 [213], YuraszeckMCCR23 [450], KimCMLLP23 [231], PovedaAA23 [348], PopovicCGNC22 [346], BoudreaultSLQ22 [80], LuoB22 [285], CampeauG22 [88], YunusogluY22 [447], AbreuN22 [108], BourreauGGLT22 [81], GeitzGSSW22 [160]... (Total: 283)	MontemanniD23a [303], ShaikhK23 [376], abs-2305-19888 [197], NaderiRR23 [312], TardivoDFMP23 [396], YuraszeckMC23 [448], GurPAE23 [181], OuelletQ22 [330], SvancaraB22 [392], ArmstrongGOS22 [16], WinterMMW22 [438], HeinzNVH22 [196], JungblutK22 [216], TouatBT22 [407], BenderWS21 [54], GeibingerMM21 [159], HillTV21 [202], QinDCS20 [354], WallaceY20 [431], ZouZ20 [464], TangB20 [394], ColT19 [99], BogaerdT19 [413], FrohnerTR19 [145], YounespourAKE19 [445], DemirovicS18 [114], ShinBBHO18 [378], BaptisteB18 [28], NattafAL17 [314]... (Total: 78)	

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	precedence	abs-2402-00459 [316], PovedaAA23 [348], YuraszeckMCCR23 [450], NaderiRR23 [312], IsikYA23 [213], AlfieriGPS23 [10], JuvinHHL23 [217], FetgoD22 [138], PohlAK22 [344], CampeauG22 [88], YunusogluY22 [447], BoudreaultSLQ22 [80], GeibingerMM21 [159], HamPK21 [184], HanenKP21 [185], Astrand0F21 [22], HillTV21 [202], KoehlerBFFHPSSS21 [234], FanXG21 [135], HubnerGSV21 [211], ArmstrongGOS21 [15], ZhangYW21 [455], GroleazNS20 [178], SacramentoSP20 [362], Polo-MejiaALB20 [345], AstrandJZ20 [24], Mercier-AubinGQ20 [298], LunardiBLRV20 [283], BadicaBI20 [25]... (Total: 117)	Bit-Monnot23 [63], KameugneFND23 [222], TardivoDFMP23 [396], OujanaAYB22 [331], SubulanC22 [388], ColT22 [100], VlkHT21 [429], AntuoriHHEN21 [13], WessenCS20 [436], MokhtarzadehTNF20 [300], QinDCS20 [354], GeibingerMM19 [158], Novas19 [321], abs-1911-04766 [157], ColT19 [99], BogaerdTW19 [413], MurinR19 [309], Ham18 [183], KameugneFGOQ18 [221], Madi-WambaLOBM17 [287], MossigeGSMC17 [305], Madi-WambaB16 [286], GayHLS15 [151], VilimLS15 [427], BurtLPS15 [86], LombardiBM15 [272], BartakV15 [40], WangMD15 [434], BonfiettiLM14 [74]... (Total: 59)	PrataAN23 [351], KimCMLLP23 [231], JuvinHL23 [218], TasselGS23 [397], abs-2305-19888 [197], Mehdizadeh-Somarin23 [295], abs-2306-05747 [398], YuraszeckMC23 [448], MullerMKP22 [308], WinterMMW22 [438], abs-2211-14492 [389], HeinzNVH22 [196], BourreauGGLT22 [81], ZhangJZL22 [454], GeitzGSSW22 [160], TouatBT22 [407], KovacsTKSG21 [244], PandeyS21a [333], AbreuAPNM21 [107], TangB20 [394], GroleazNS20a [177], BaptisteB18 [28], He0GLW18 [188], OuelletQ18 [329], GokgurHO18 [169], DemirovicS18 [114], CappartS17 [89], KreterSS17 [246], BoothNB16 [77]... (Total: 77)
Concepts	preempt	JuvinHHL23 [217], PovedaAA23 [348], SubulanC22 [388], HanenKP21 [185], Polo-MejiaALB20 [345], BaptisteB18 [28], GokgurHO18 [169], FahimiOQ18 [132], ZarandiKS16 [451], EvenSH15 [130], EvenSH15a [131], AlesioNBG14 [118], LombardiM12 [278], BeldiceanuCDP11 [50], KovacsB11 [239], BartakSR10 [39], MonetteDD07 [301], Wolf03 [439], BaptisteP00 [31], PapaB98 [335], PembertonG98 [337], BaptisteP97 [30]	PrataAN23 [351], abs-2305-19888 [197], OuelletQ22 [330], FetgoD22 [138], HeinzNVH22 [196], SacramentoSP20 [362], Mercier-AubinGQ20 [298], LunardiBLRV20 [283], YoungFS17 [446], NattafAL15 [313], SimoninAHL15 [382], OzturkTHO13 [332], SimoninAHL12 [381], SchuttFSW11 [372], SchuttFSW09 [371], Laborie09 [250], KovacsB08 [238], ArtiouchineB05 [20], SourdN00 [386], NuijtenP98 [326]	NaderiRR23 [312], TasselGS23 [397], AalianPG23 [1], TardivoDFMP23 [396], YuraszeckMC23 [448], YuraszeckMCCR23 [450], KameugneFND23 [222], AkramNHSA23 [8], abs-2306-05747 [398], IsikYA23 [213], Mehdizadeh-Somarin23 [295], AbreuN22 [108], TouatBT22 [407], Teppan22 [400], GeitzGSSW22 [160], BoudreaultSLQ22 [80], ColT22 [100], MullerMKP22 [308], YunusogluY22 [447], OujanaAYB22 [331], JungblutK22 [216], Bedhief21 [45], BenderWS21 [54], FanXG21 [135], QinWSLS21 [353], KovacsTKSG21 [244], HubnerGSV21 [211], ZhangYW21 [455], AbreuAPNM21 [107]... (Total: 109)
Concepts	producer/consumer	SchuttS16 [373], PoderBS04 [343], Kumar03 [248], SimonisC95 [385]	HermenierDL11 [201], BeldiceanuC02 [49]	GeitzGSSW22 [160], KlankeBYE21 [232], LombardiM12a [277], PoderB08 [342], Simonis07 [384], Timpe02 [404], Simonis95 [383]
Concepts	re-scheduling	HamPK21 [184], BarzegaranZP20 [42], ZhangW18 [456], Madi-WambaLOBM17 [287], CappartS17 [89], BartakV15 [40], GrimesIOS14 [176], RendlPHPR12 [357], LombardiM12 [278], IfrimOS12 [212], NovasH10 [322], MartinPY01 [293], ArtiguesR00 [19]	Mehdizadeh-Somarin23 [295], KovacsTKSG21 [244], AstrandJZ20 [24], HoYCLLC18 [203], LimHTB16 [265], LimBTBB15 [266], CobanH10 [98], Acuna-AgostMFG09 [4]	PrataAN23 [351], abs-2312-13682 [339], abs-2306-05747 [398], EfthymiouY23 [125], ShaikhK23 [376], abs-2305-19888 [197], TasselGS23 [397], GurPAE23 [181], NaderiRR23 [312], PerezGSL23 [338], BourreauGGLT22 [81], YunusogluY22 [447], HeinzNVH22 [196], ArmstrongGOS22 [16], LuoB22 [285], PohlAK22 [344], YuraszeckMPV22 [449], KlankeBYE21 [232], PandeyS21a [333], ZhangYW21 [455], BenediktMH20 [55], LunardiBLRV20 [283], NishikawaSTT19 [319], YounespourAKE19 [445], GalleguillosKSB19 [147], Tom19 [405], abs-1911-04766 [157], GeibingerMM19 [158], GurEA19 [465]... (Total: 63)
Concepts	release-date	WinterMMW22 [438], YunusogluY22 [447], YuraszeckMPV22 [449], HanenKP21 [185], Bedhief21 [45], Polo-MejiaALB20 [345], EscobetPQPRA19 [129], Tesch18 [402], KameugneFSN14 [224], LimtanyakulS12 [268], SerraNM12 [375], KameugneFSN11 [223], KovacsB11 [239], LombardiM10a [275], BartakSR10 [39], abs-0907-0939 [341], AkkerDH07 [412], SadykovW06 [364], ArtiouchineB05 [20], Hooker05 [205], Hooker04 [204], Zhou97 [459], Zhou96 [458], Colombani96 [101]	PrataAN23 [351], LacknerMMWW23 [254], LacknerMMWW21 [253], GroleazNS20 [178], GroleazNS20a [177], abs-1911-04766 [157], GeibingerMM19 [158], HeinzSB13 [195], KelbelH11 [227], Laborie09 [250], Limtanyakul07 [267], Simonis07 [384], Hooker06 [207], Hooker05a [206], WuBB05 [443], Sadykov04 [363], SourdN00 [386]	PovedaAA23 [348], IsikYA23 [213], YuraszeckMC23 [448], TouatBT22 [407], PohlAK22 [344], AntuoriHHEN21 [13], GeibingerMM21 [159], ZhangYW21 [455], HillTV21 [202], AbreuAPNM21 [107], KovacsTKSG21 [244], GodetLHS20 [167], Novas19 [321], HauderBRPA19 [186], abs-1902-09244 [187], LaborieRSV18 [252], Laborie18a [251], GokgurHO18 [169], NattafAL17 [314], NattafAL15 [313], DejemeppeCS15 [111], KoschB14 [237], HeinzKB13 [192], BillautHL12 [62], HeinzB12 [191], GrimesH11 [174], KovacsK11 [241], BeniniLMR11 [58], ClercqPB11 [97]... (Total: 45)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low	
Concepts	resource	PrataAN23 [351], abs-2402-00459 [316], JuvinHHL23 [217], KameugneFND23 [222], PovedaAA23 [348], YuraszeckMCCR23 [450], abs-2305-19888 [197], CzerniachowskaWZ23 [102], ShaikhK23 [376], AlfieriGPS23 [10], NaderiRR23 [312], AalianPG23 [1], WangB23 [433], TardivoDFMP23 [396], GurPAE23 [181], BourreauGGLT22 [81], HeinzNVH22 [196], GeitzGSSW22 [160], LuoB22 [285], AbreuN22 [108], BoudreaultSLQ22 [80], TouatBT22 [407], YunusogluY22 [447], CampeauG22 [88], SubulanC22 [388], OuelletQ22 [330], ColT22 [100], OujanaAYB22 [331], FetgoD22 [138]... (Total: 274)	Caballero23 [87], PerezGSL23 [338], abs-2312-13682 [339], IsikYA23 [213], abs-2306-05747 [398], TasselGS23 [397], Bit-Monnot23 [63], abs-2211-14492 [389], PohlAK22 [344], YuraszeckMPV22 [449], MullerMKP22 [308], WinterMMW22 [438], SvancaraB22 [392], AstrandOF21 [22], KlankeBYE21 [232], MokhtarzadehTNF20 [300], TangB20 [394], LunardiBLRV20 [283], WallaceY20 [431], FrimodigS19 [144], abs-1902-01193 [9], ParkUJR19 [336], HoYCLLC18 [203], GedikKEK18 [155], Ham18 [183], BenediktSMVH18 [56], GelainPRVW17 [161], GoldwaserS17 [170], BoothNB16 [77]... (Total: 51)	MontemanniD23 [304], AkramNHRS23 [8], SquillaciPR23 [387], Teppan22 [400], PopovicCGNC22 [346], ArmstrongGOS22 [16], JungblutK22 [216], ZhangJZL22 [454], AntuoriHHEN21 [13], HamPK21 [184], AbreuAPNM21 [107], AbohashimaEG21 [2], KoehlerBFFHPSSS21 [234], ArmstrongGOS21 [15], FanXG21 [135], BarzegaranZP20 [42], NattafM20 [315], BadicaBIL19 [26], KucukY19 [249], ColT19 [99], AstrandJZ18 [23], ZhangW18 [456], KletzanderM17 [233], Hooker17 [208], ZarandiKS16 [451], GayHLS15 [151], MelgarejoLS15 [7], Siala15 [379], MurphyMB15 [310]... (Total: 51)	
Concepts	scheduling	abs-2402-00459 [316], PrataAN23 [351], TasselGS23 [397], Bit-Monnot23 [63], IsikYA23 [213], AalianPG23 [1], abs-2305-19888 [197], abs-2312-13682 [339], PerezGSL23 [338], abs-2306-05747 [398], JuvinHHL23 [217], TardivoDFMP23 [396], YuraszeckMC23 [448], Mehdizadeh-Somarin23 [295], MontemanniD23 [304], KimCMLLP23 [231], AkramNHRS23 [8], ShaikhK23 [376], KameugneFND23 [222], LacknerMMWW23 [254], GurPAE23 [181], PovedaAA23 [348], EfthymiouY23 [125], AlfieriGPS23 [10], SquillaciPR23 [387], Caballero23 [87], CzerniachowskaWZ23 [102], YuraszeckMCCR23 [450], WangB23 [433]... (Total: 401)	GayHS15 [152], Kameugne15 [220], BessiereHMQW14 [61], HoundjiSWD14 [210], LetortCB13 [260], LetortBC12 [259], ChapadosJR11 [94], ClercqPBJ11 [97], Baptiste09 [27], Acuna-AgostMFG09 [4], abs-0907-0939 [341], GomesHS06 [172], MoffittPP05 [299], WuBB05 [443], DilkinaDH05 [119], HebrardTW05 [189], Vilim03 [419], ValleMGT03 [411], Vilim02 [418], HookerY02 [209], CestaOS98 [93], FrostD98 [146], Touraivane95 [408]	Hooker17 [208], RossiTHP07 [360], AbrilSB05 [3], VanczaM01 [416]	
Concepts	sequence setup	dependent	GedikKEK18 [155], FocacciLN00 [139]	IsikYA23 [213], YuraszeckMPV22 [449], GeitzGSSW22 [160], MengZRZL20 [297], RiahiNS018 [358], LombardiM12 [278], Simonis07 [384], ArtiguesBF04 [18]	PrataAN23 [351], NaderiRR23 [312], abs-2305-19888 [197], YunusogluY22 [447], PohlAK22 [344], HeinzNVH22 [196], OujanaAYB22 [331], Bedhief21 [45], HamPK21 [184], ArmstrongGOS21 [15], Mercier-AubinGQ20 [298], MalapertN19 [289], Novas19 [321], KucukY19 [249], ArbaouiY18 [14], LaborieRSV18 [252], Ham18 [183], FahimiOQ18 [132], Pralet17 [349], CauwelaertDMS16 [92], NovaraNH16 [320], DejemeppeCS15 [111], KovacsK11 [241], GrimesH10 [173], Laborie09 [250], DavenportKRSH07 [106], AkkerDH07 [412], VilimBC05 [426], Vilim04 [420], Vilim02 [418]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	setup-time	PrataAN23 [351], LacknerMMWW23 [254], IsikYA23 [213], abs-2305-19888 [197], NaderiRR23 [312], YuraszeckMPV22 [449], PohlAK22 [344], GeitzGSSW22 [160], WinterMMW22 [438], HeinzNVH22 [196], AbreuN22 [108], OujanaAYB22 [331], YunusogluY22 [447], ColT22 [100], LacknerMMWW21 [253], NattafM20 [315], GroleazNS20 [178], Mercier-AubinGQ20 [298], QinDCS20 [354], LunardiBLRV20 [283], GroleazNS20a [177], MengZRZL20 [297], Novas19 [321], BogaerdtW19 [413], MalapertN19 [289], MurinR19 [309], ArbaouiY18 [14], GedikKEK18 [155], RiahiNS018 [358]... (Total: 39)	AlfieriGPS23 [10], CzerniachowskaWZ23 [102], KimCMLLP23 [231], LiFJZLL22 [262], Bedhief21 [45], AbreuAPNM21 [107], ArmstrongGOS21 [15], FanXG21 [135], AstrandJZ20 [24], LaborieRSV18 [252], NovaraNH16 [320], GaySS14 [154], OzturkTHO13 [332], KelarevaTK13 [226], ThiruvadyBME09 [403], BeniniBGM06 [57], Timpe02 [404], Vilim02 [418]	YuraszeckMCCR23 [450], JuvinHHL23 [217], JuvinHL23 [218], Mehdizadeh-Somarin23 [295], EfthymiouY23 [125], abs-2211-14492 [389], ZhangJZL22 [454], MullerMKP22 [308], Teppan22 [400], HamPK21 [184], ZhangYW21 [455], AbohashimaEG21 [2], BenderWS21 [54], GodetLHS20 [167], MokhtarzadehTNF20 [300], Polo-MejiaALB20 [345], BehrensLM19 [47], abs-1902-09244 [187], KucukY19 [249], WikarekS19 [437], HauderBRPA19 [186], GokgurHO18 [169], FahimiOQ18 [132], GilesH16 [163], ZhouGL15 [460], MelgarejoLS15 [7], GoelSHFS15 [168], SialaAH15 [380], BartakV15 [40]... (Total: 48)
Concepts	stock level	LopesCSM10 [280], SimonisC95 [385]	RossiTHP07 [360], Timpe02 [404]	KhemmoudjPB06 [230]
Concepts	tardiness	PrataAN23 [351], IsikYA23 [213], AlfieriGPS23 [10], KimCMLLP23 [231], LacknerMMWW23 [254], NaderiRR23 [312], WinterMMW22 [438], TouatBT22 [407], YunusogluY22 [447], AbreuN22 [108], OujanaAYB22 [331], PohlAK22 [344], abs-2211-14492 [389], FanXG21 [135], AntuoriHHEN21 [13], LacknerMMWW21 [253], GroleazNS20a [177], Mercier-AubinGQ20 [298], MengZRZL20 [297], TangB20 [394], abs-1902-09244 [187], HauderBRPA19 [186], ParkUJR19 [336], BogaerdtW19 [413], LaborieRSV18 [252], NovaraNH16 [320], ZarandiKS16 [451], BridiBLMB16 [83], BartoliniBBLM14 [41]... (Total: 43)	abs-2402-00459 [316], SubulanC22 [388], ColT22 [100], KovacsTKSG21 [244], AbreuAPNM21 [107], GroleazNS20 [178], GedikKEK18 [155], GokgurHO18 [169], Hooker17 [208], NovasH10 [322], BartakSR10 [39], QuirogaZH05 [356], Hooker05 [205], GodardLN05 [165]	Mehdizadeh-Somarin23 [295], JuvinHL23 [218], abs-2306-05747 [398], TasselGS23 [397], LiFJZLL22 [262], ZhangJZL22 [454], VlkHT21 [429], HanenKP21 [185], KoehlerBFFHPSSS21 [234], HamPK21 [184], GeibingerMM21 [159], HubnerGSV21 [211], QinWSLS21 [353], Bedhief21 [45], QinDCS20 [354], Polo-MejiaALB20 [345], LunardiBLRV20 [283], Tom19 [405], Novas19 [321], RiahiNS018 [358], ZhangW18 [456], DejemeppeCS15 [111], MelgarejoLS15 [7], ZhouGL15 [460], BurtLPS15 [86], LimBTBB15 [266], SialaAH15 [380], PraletLJ15 [350], KelarevaTK13 [226]... (Total: 45)
Concepts	task	PrataAN23 [351], abs-2402-00459 [316], JuvinHL23 [218], CzerniachowskaWZ23 [102], JuvinHHL23 [217], WangB23 [433], YuraszeckMCCR23 [450], PovedaAA23 [348], abs-2305-19888 [197], KameugneFND23 [222], AkramNHRSA23 [8], LiFJZLL22 [262], CampeauG22 [88], ColT22 [100], SubulanC22 [388], OuelletQ22 [330], FetgoD22 [138], abs-2211-14492 [389], GeitzGSSW22 [160], TouatBT22 [407], HeinzNVH22 [196], JungblutK22 [216], BoudreaultSLQ22 [80], AstrandOF21 [22], HanenKP21 [185], KoehlerBFFHPSSS21 [234], KlankeBYE21 [232], HillTV21 [202], PandeyS21a [333]... (Total: 187)	MontemanniD23a [303], Bit-Monnot23 [63], IsikYA23 [213], MontemanniD23 [304], LacknerMMWW23 [254], ShaikhK23 [376], SquillaciPR23 [387], YuraszeckMPV22 [449], PopovicCGNC22 [346], MullerMKP22 [308], WinterMMW22 [438], AbreuN22 [108], SvanicaraB22 [392], OujanaAYB22 [331], BenderWS21 [54], HubnerGSV21 [211], GeibingerMM21 [159], ZouZ20 [464], BarzegaranZP20 [42], Polo-MejiaALB20 [345], BadicaBI20 [25], WallaceY20 [431], WikarekS19 [437], DemirovicS18 [114], YoungFS17 [446], LiuCGM17 [270], HechingH16 [190], GayHLS15 [151], Kameugne15 [220]... (Total: 40)	NaderiRR23 [312], TasselGS23 [397], EfthymiouY23 [125], PerezGSL23 [338], abs-2312-13682 [339], Mehdizadeh-Somarin23 [295], TardivoDFMP23 [396], abs-2306-05747 [398], Teppan22 [400], ZhangJZL22 [454], ArmstrongGOS22 [16], ZhangYW21 [455], FanXG21 [135], AbreuAPNM21 [107], AntuoriHHEN21 [13], LacknerMMWW21 [253], HamPK21 [184], AstrandJZ20 [24], SacramentoSP20 [362], FallahiAC20 [134], BenediktMH20 [55], MengZRZL20 [297], ParkUJR19 [336], MurinR19 [309], abs-1902-09244 [187], HauderBRPA19 [186], FrimodigS19 [144], abs-1902-01193 [9], MalapertN19 [289]... (Total: 79)
Concepts	temporal constraint reasoning			BartakSR10 [39], KeriK07 [228], FortinZDF05 [141]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	transportation	CzerniachowskaWZ23 [102], ArmstrongGOS22 [16], PohlAK22 [344], BourreauGGLT22 [81], GeitzGSSW22 [160], ArmstrongGOS21 [15], QinDCS20 [354], SacramentoSP20 [362], MurinR19 [309], Ham18 [183], PourDERB18 [347], TangLWSK18 [395], GoelSHFS15 [168], NovasH14 [324], KelarevaTK13 [226], NovasH12 [323], HachemiGR11 [182], LopesCSM10 [280], BocewiczBB09 [65], ZeballosH05 [452]	NaderiRR23 [312], KimCMLLP23 [231], AbreuN22 [108], SubulanC22 [388], PopovicCGNC22 [346], AbohashimaEG21 [2], MengZRZL20 [297], FallahiAC20 [134], LaborieRSV18 [252], EvenSH15 [130], MelgarejoLS15 [7], RendIPHR12 [357], MakMS10 [288], MouraSCL08a [306], MouraSCL08 [307], LimRX04 [264], Mason01 [294], ArtiguesR00 [19], Wallace96 [430]	AalianPG23 [1], IsikYA23 [213], abs-2312-13682 [339], WangB23 [433], MontemanniD23a [303], PerezGSL23 [338], AlfieriGPS23 [10], ColT22 [100], BoudreaultSLQ22 [80], abs-2211-14492 [389], ZhangJZL22 [454], YuraszeckMPV22 [449], LiFJZLL22 [262], YunusogluY22 [447], AntuoriHHEN21 [13], Bedhief21 [45], HubnerGSV21 [211], GroleazNS20a [177], WallaceY20 [431], Novas19 [321], abs-1902-09244 [187], Tom19 [405], HauderBRPA19 [186], GokgurHO18 [169], ZhangW18 [456], ShinBBHO18 [378], He0GLW18 [188], GedikKEK18 [155], LiuCGM17 [270]... (Total: 58)
Classification	2BPHFSP	TangB20 [394]		
Classification	BPCTOP	KelarevaTK13 [226]		
Classification	Bulk Port Cargo Throughput Optimi- sation Problem			KelarevaTK13 [226]
Classification	CECSP	NattafAL17 [314], NattafAL15 [313]		
Classification	CHSP	EfthymiouY23 [125], WallaceY20 [431]		
Classification	CTW	KoehlerBFFHPSSS21 [234]		
Classification	CuSP	KameugneFND23 [222], FetgoD22 [138], Tesch18 [402], KameugneFGOQ18 [221], Tesch16 [401], NattafAL15 [313], DerrienPZ14 [117], KameugneFSN14 [224], KameugneFSN11 [223], SchuttW10 [374]	GingrasQ16 [164], OuelletQ13 [328]	TardivoDFMP23 [396], HanenKP21 [185], DerrienP14 [116]
Classification	EOSP		SquillaciPR23 [387]	
Classification	Earth Observation Scheduling Problem		SquillaciPR23 [387]	
Classification	FJS	WangB23 [433], YuraszeckMCCR23 [450], MullerMKP22 [308], Teppan22 [400], HamPK21 [184], LunardiBLRV20 [283], WangB20 [432], MengZRZL20 [297], Novas19 [321], MossigeGSMC17 [305]	OujanaAYB22 [331], abs-1902-09244 [187], HauderBRPA19 [186], ZhangW18 [456], SchuttFS13 [370]	NaderiRR23 [312], ColT22 [100], ZhouGL15 [460]
Classification	Fixed Job Scheduling	WangB20 [432]	WangB23 [433]	
Classification	GCSP	GroleazNS20 [178]		
Classification	HFF	ArmstrongGOS22 [16], OujanaAYB22 [331], ArmstrongGOS21 [15], ZhouGL15 [460]		
Classification	JSPT		MurinR19 [309]	
Classification	JSSP	JuvinHHL23 [217], YuraszeckMC23 [448], TasselGS23 [397], YuraszeckMCCR23 [450], abs-2306-05747 [398], ColT22 [100], YuraszeckMPV22 [449], GeitzGSSW22 [160], Teppan22 [400], ColT19 [99], Pralet17 [349], KelbelH11 [227], GodardLN05 [165], SourdN00 [386], PapaB98 [335], NuijtenP98 [326], NuijtenA94 [325]	GalleguillosKSB19 [147], LombardiBM15 [272], SialaAH15 [380], BelhadjiI98 [53]	EfthymiouY23 [125], Mehdizadeh-Somarin23 [295], CzerniachowskaWZ23 [102], WikarekS19 [437], PraletLJ15 [350]
Classification	KRFP	KamarainenS02 [219], SakkoutW00 [365]		
Classification	LSFRP	KelarevaTK13 [226]		
Classification	Liner Shipping Fleet Repositioning Problem		KelarevaTK13 [226]	
Classification	MGAP	Darby-DowmanLMZ97 [104]		
Classification	Modified Generalized Assignment Problem			
Classification	OSP	NaderiRR23 [312], LacknerMMWW23 [254], Bit-Monnot23 [63], LacknerMMWW21 [253], GayHLS15 [151]	SquillaciPR23 [387], GrimesHM09 [175], MonetteDD07 [301]	MengZRZL20 [297]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Classification	OSSP	YuraszeckMC23 [448], YuraszeckMPV22 [449], ColT22 [100], AbreuN22 [108], AbreuAPNM21 [107]		YuraszeckMCCR23 [450]
Classification	Open Shop Scheduling Problem	AbreuN22 [108], AbreuAPNM21 [107]	LorigeonBB02 [282]	PrataAN23 [351], Bit-Monnot23 [63], YuraszeckMCCR23 [450], NaderiRR23 [312], YuraszeckMPV22 [449], ColT22 [100], MengZRZL20 [297], SacramentoSP20 [362], GrimesH10 [173], GrimesHM09 [175], MonetteDD07 [301], VerfaillieL01 [417]
Classification	PJSSP		PapaB98 [335]	
Classification	PMSP	NaderiRR23 [312], YunusogluY22 [447], WinterMMW22 [438], PandeyS21a [333], GodetLHS20 [167], MalapertN19 [289], GedikKEK18 [155]	VlkHT21 [429], NattafM20 [315]	OujanaAYB22 [331], ColT22 [100]
Classification	PP-MS-MMRCPS			
Classification	PTC	NattafM20 [315], MalapertN19 [289]	NaderiRR23 [312]	CzerniachowskaWZ23 [102], Teppan22 [400]
Classification	Pre-emptive Job-Shop scheduling Problem			
Classification	RCPSP	YuraszeckMCCR23 [450], PovedaAA23 [348], CampeauG22 [88], BoudreaultSLQ22 [80], SubulanC22 [388], FetgoD22 [138], BenderWS21 [54], GeibingerMM21 [159], HillTV21 [202], HubnerGSV21 [211], Polo-MejiaALB20 [345], GeibingerMM19 [158], abs-1902-09244 [187], HauderBRPA19 [186], abs-1911-04766 [157], LaborieRSV18 [252], TangLWSK18 [395], KameugneFGOQ18 [221], Pralet17 [349], KreterSS17 [246], YoungFS17 [446], BofillCSV17 [66], MossigeGSMC17 [305], SzerediS16 [393], SchuttS16 [373], KreterSS15 [245], VilimLS15 [427], BonfiettiLM13 [73], HeinzSB13 [195]... (Total: 41)	TardivoDFMP23 [396], Caballero23 [87], KameugneFND23 [222], KovacsTKSG21 [244], GroleazNS20a [177], BaptisteB18 [28], Tesch18 [402], LombardiBM15 [272], NattafAL15 [313], GayHLS15 [151], KameugneFSN14 [224], LombardiM13 [279], KameugneFSN11 [223], HeinzS11 [194], KeriK07 [228], KovacsV06 [243], HeipckeCCS00 [198], ArtiguesR00 [19]	NaderiRR23 [312], GeitzGSSW22 [160], TouatBT22 [407], HanenKP21 [185], ZhangYW21 [455], Mercier-AubinGQ20 [298], WikarekS19 [437], OuelletQ18 [329], FahimiOQ18 [132], GingrasQ16 [164], BonfiettiZLM16 [76], Tesch16 [401], SialaAH15 [380], GayHS15a [153], DerrienPZ14 [117], BonfiettiLM14 [74], BonfiettiLBM14 [72], KoschB14 [237], SchuttFS13a [369], OuelletQ13 [328], SchuttFS13 [370], LetortCB13 [260], BonfiettiM12 [75], BonfiettiLBM12 [71], LombardiMBB11 [273], GrimesH11 [174], Vilim11 [424], LahimerLH11 [255], BonfiettiLBM11 [70]... (Total: 35)
Classification	RCPSDC			CampeauG22 [88], HubnerGSV21 [211]
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow			
Classification	SBSFMMAL	OzturkTHO13 [332]		
Classification	SCC	KimCMLLP23 [231], WolinskiKG04 [441]		PohlAK22 [344], BeniniLMR11 [58], SchausHMCMD11 [366]
Classification	SMSDP			
Classification	Steel-making and continuous casting			
Classification	TCSP	BelhadjiI98 [53]		BartakSR10 [39], LombardiM10a [275]
Classification	TMS	PopovicCGNC22 [346]	BegB13 [46]	CappartS17 [89]
Classification	Temporal Constraint Satisfaction Problem		BelhadjiI98 [53]	BartakSR10 [39], MoffittPP05 [299]
Classification	parallel machine	PrataAN23 [351], abs-2305-19888 [197], IsikYA23 [213], CzerniachowskaWZ23 [102], NaderiRR23 [312], ZhangJZL22 [454], WinterMMW22 [438], HeinzNVH22 [196], OujanaAYB22 [331], YunusogluY22 [447], PandeyS21a [333], GodetLHS20 [167], MengZRZL20 [297], NattafM20 [315], MalapertN19 [289], GedikKEK18 [155], ArbaouiY18 [14], GokgurHO18 [169], EdisO11 [124]	Teppan22 [400], ColT22 [100], Bedhief21 [45], SacramentoSP20 [362], MokhtarzadehTNF20 [300], ParkUJR19 [336], Novas19 [321], BogaerdtW19 [413], BenediktSMVH18 [56], ZhouGL15 [460], KovacsB11 [239], AkkerDH07 [412], SadykovW06 [364]	KimCMLLP23 [231], JuvinHHL23 [217], LacknerMMWW23 [254], Mehdizadeh-Somarin23 [295], AlfieriGPS23 [10], ArmstrongGOS22 [16], HamPK21 [184], LacknerMMWW21 [253], HanenKP21 [185], FanXG21 [135], AbohashimaEG21 [2], AbreuAPNM21 [107], AstrandJZ20 [24], GroleazNS20a [177], QinDCS20 [354], NishikawaSTT19 [319], Ham18 [183], LaborieRSV18 [252], BaptisteB18 [28], KletzanderM17 [233], KreterSS17 [246], FontaineMH16 [140], BurtLPS15 [86], KreterSS15 [245], NovasH14 [324], LombardiM12 [278], LahimerLH11 [255], ArtiouchineB05 [20], Sadykov04 [363], LorigeonBB02 [282]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Classification	psplib	TardivoDFMP23 [396], OuelletQ18 [329], GayHS15a [153], LetortCB15 [261], KameugneFSN14 [224], DerrienP14 [116], SchuttFS13a [369], HeinzSB13 [195], SchuttFSW11 [372], BertholdHLMs10 [60], SchuttFSW09 [371]	KameugneFND23 [222], BoudreaultSLQ22 [80], HillTV21 [202], BadicaBI20 [25], Tesch18 [402], FahimiOQ18 [132], BaptisteB18 [28], SzerediS16 [393], Tesch16 [401], GingrasQ16 [164], GayHLS15 [151], VilimLS15 [427], LombardiBM15 [272], BonfiettiLM14 [74], LetortCB13 [260], LombardiM12a [277], LetortBC12 [259], HeinzS11 [194], Vilim11 [424], SchuttW10 [374]	LaborieRSV18 [252], Pralet17 [349], YoungFS17 [446], BofilCSV17 [66], LombardiM13 [279], OuelletQ13 [328], LombardiM12 [278], KameugneFSN11 [223], LiessM08 [263], FortinZDF05 [141], ElkhyariGJ02a [127]
Classification	single machine	PrataAN23 [351], AlfieriGPS23 [10], LacknerMMWW23 [254], TouatBT22 [407], HamPK21 [184], BenediktMH20 [55], BogaerdTW19 [413], KovacsB11 [239], ThiruvadyBME09 [403], SadykovW06 [364], SourdN00 [386]	YuraszeckMPV22 [449], PandeyS21a [333], Bedhief21 [45], HillTV21 [202], KoehlerBFFHPSSS21 [234], AbreuAPNM21 [107], LacknerMMWW21 [253], NattafM20 [315], BenediktSMVH18 [56], Tesch18 [402], KoschB14 [237], BillautHL12 [62], KovacsK11 [241], AkkerDH07 [412], Sadykov04 [363], OddiPCC03 [327], SchildW00 [367]	abs-2402-00459 [316], IsikYA23 [213], NaderiRR23 [312], Mehdizadeh-Somarin23 [295], GeitzGSSW22 [160], AbreuN22 [108], ColT22 [100], abs-2211-14492 [389], PohlAK22 [344], ZhangJZL22 [454], LiFJZLL22 [262], FanXG21 [135], QinWSLS21 [353], KovacsTKSG21 [244], TangB20 [394], GodetLHS20 [167], ParkUJR19 [336], Tom19 [405], MalapertN19 [289], GedikKEK18 [155], AstrandJZ18 [23], ArbaouiY18 [14], GokgurHO18 [169], MossigeGSMC17 [305], DoulabiRP16 [123], ZarandiKS16 [451], DejemeppeCS15 [111], MelgarejoLS15 [7], BurtLPS15 [86]... (Total: 48)
Constraints	alldifferent	JuvinHHL23 [217], KoehlerBFFHPSSS21 [234], Simonis07 [384]	GodetLHS20 [167], BessiereHMqw14 [61], KelarevaTK13 [226]	WangB23 [433], ColT22 [100], BourreauGGLT22 [81], AstrandJZ20 [24], WangB20 [432], MokhtarzadehTNF20 [300], FahimiOQ18 [132], MelgarejoLS15 [7], AlesioNBG14 [118], ClercqPBJ11 [97], HermenierDL11 [201], HachemiGR11 [182], TrojetHL11 [409], LopesCSM10 [280]
Constraints	alternative constraint	LaborieRSV18 [252]	abs-2305-19888 [197], MurinR19 [309], GokgurHO18 [169]	LacknerMMWW23 [254], NaderiRR23 [312], WinterMMW22 [438], ZhangJZL22 [454], SvancaraB22 [392], HeinzNVH22 [196], ArmstrongGOS21 [15], HubnerGSV21 [211], PandeyS21a [333], VlkHT21 [429], HillTV21 [202], MengZRZL20 [297], Polo-MejiaALB20 [345], SacramentoSP20 [362], YounespourAKE19 [445], EscobetPQPRA19 [129], GeibingerMM19 [158], NishikawaSTT19 [319], GalleguillosKSB19 [147], MalapertN19 [289], abs-1911-04766 [157], ArbaouiY18 [14], Laborie18a [251], NishikawaSTT18a [318], NishikawaSTT18 [317], CappartS17 [89], NovaraNH16 [320], PraletLJ15 [350], BartoliniBBLM14 [41]... (Total: 32)
Constraints	alwaysIn	PopovicCGNC22 [346], SerraNM12 [375]	AalianPG23 [1], LuoB22 [285], TangB20 [394], Polo-MejiaALB20 [345], MalapertN19 [289], LaborieRSV18 [252], GoelSHFS15 [168]	CampeauG22 [88], KreterSS17 [246]
Constraints	bin-packing	TangB20 [394], LetortCB15 [261], LetortCB13 [260], HeinzSSW12 [193], LetortBC12 [259], SchausHMCMD11 [366]	LuoB22 [285], BadicaBI20 [25], FrimodigS19 [144], BaptisteB18 [28], GarganiR07 [148], SakkoutW00 [365], SchildW00 [367]	abs-2402-00459 [316], LacknerMMWW23 [254], AkramNHRSA23 [8], abs-2211-14492 [389], YunusogluY22 [447], ArmstrongGOS21 [15], GodetLHS20 [167], Madi-WambaLOBM17 [287], DoulabiRP16 [123], KoschB14 [237], DoulabiRP14 [122], LimtanyakulS12 [268], EdisO11 [124], HermenierDL11 [201], BeldiceanuCDP11 [50], KovacsB08 [238], HentenryckM08 [200], Simonis07 [384], DavenportKRSH07 [106], AggounB93 [6]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	circuit	MontemanniD23a [303], KlankeBYE21 [232], Mercier-AubinGQ20 [298], MokhtarzadehTNF20 [300], RuggieroBBMA09 [361], GruianK98 [179], Wallace96 [430]	WessenCS20 [436], KrogLPHJ07 [414], KuchcinskiW03 [247], DincbasSH90 [120]	PrataAN23 [351], IsikYA23 [213], MontemanniD23 [304], JungblutK22 [216], ColT22 [100], MullerMKP22 [308], KoehlerBFFHPSSS21 [234], ArmstrongGOS21 [15], WallaceY20 [431], GroleazNS20 [178], EscobetPQPRA19 [129], TangLWSK18 [395], Hooker17 [208], HechingH16 [190], Bonfietti16 [69], BridiBLMB16 [83], MelgarejoLS15 [7], MurphyMB15 [310], HoundjiSWD14 [210], BonfiettiLBM14 [72], CireCH13 [96], SchuttFS13a [369], LombardiM12 [278], BeniniLMR11 [58], SchuttFSW11 [372], CobanH10 [98], Hooker06 [207], QuSN06 [355], Hooker05a [206]... (Total: 37)
Constraints	cumulative	PovedaAA23 [348], TardivoDFMP23 [396], NaderiRR23 [312], AalianPG23 [1], KameugneFND23 [222], IsikYA23 [213], LacknerMMWW23 [254], FetgoD22 [138], PohlAK22 [344], OuelletQ22 [330], ZhangJZL22 [454], LuoB22 [285], BoudreaultSLQ22 [80], LacknerMMWW21 [253], HanenKP21 [185], KovacsTKSG21 [244], SacramentoSP20 [362], Polo-MejiaALB20 [345], Mercier-AubinGQ20 [298], WallaceY20 [431], GodetLHS20 [167], GroleazNS20a [177], GroleazNS20 [178], YangSS19 [444], abs-1911-04766 [157], Novas19 [321], MalapertN19 [289], GeibingerMM19 [158], LaborieRSV18 [252]... (Total: 117)	PrataAN23 [351], abs-2402-00459 [316], EfthymiouY23 [125], abs-2312-13682 [339], PerezGSL23 [338], ColT22 [100], YunusogluY22 [447], CampeauG22 [88], GeitzGSSW22 [160], AbreuN22 [108], HubnerGSV21 [211], HillTV21 [202], KlankeBYE21 [232], NattafM20 [315], GalleguillosKSB19 [147], NishikawaSTT19 [319], BorghesiBLMB18 [78], GedikKEK18 [155], BoothNB16 [77], BonfiettiZLM16 [76], LimHTB16 [265], Bonfietti16 [69], GayHLS15 [151], BurtLPS15 [86], GuSS13 [180], BonfiettiLM13 [73], LimtanyakulS12 [268], BartakS11 [38], KovacsB11 [239]... (Total: 42)	GurPAE23 [181], TasselGS23 [397], abs-2306-05747 [398], abs-2305-19888 [197], Bit-Monnot23 [63], YuraszeckMCCR23 [450], JuvinHHL23 [217], HeinzNVH22 [196], PopovicCGNC22 [346], abs-2211-14492 [389], SubulanC22 [388], ArmstrongGOS22 [16], PandeyS21a [333], KoehlerBFFHPSSS21 [234], GeibingerMM21 [159], ArmstrongGOS21 [15], ZouZ20 [464], abs-1902-09244 [187], FrimodigS19 [144], HauderBRPA19 [186], WikarekS19 [437], YounespourAKE19 [445], Laborie18a [251], AstrandJZ18 [23], ZhangW18 [456], Ham18 [183], ArbaouiY18 [14], DemirovicS18 [114], CappartS17 [89]... (Total: 79)
Constraints	cycle	AalianPG23 [1], Astrand0F21 [22], AntuoriHHEN21 [13], AbohashimaEG21 [2], GroleazNS20a [177], WallaceY20 [431], AstrandJZ20 [24], ParkUJR19 [336], BorghesiBLMB18 [78], AstrandJZ18 [23], BridiBLMB16 [83], BonfiettiLBM14 [72], BessiereHMqw14 [61], BegB13 [46], LombardiBMB11 [273], SunLYL10 [390], BocewiczBB09 [65], RuggieroBBMA09 [361], MalikMB08 [291], RossiTHP07 [360], WolinskiKG04 [441], KuchcinskiW03 [247], Kumar03 [248], ArtiguesR00 [19], SchildW00 [367], KorbbaaYG99 [235], GruianK98 [179], RodosekW98 [359], ErtIK91 [128]	EfthymiouY23 [125], CampeauG22 [88], KoehlerBFFHPSSS21 [234], HillTV21 [202], HubnerGSV21 [211], GroleazNS20 [178], MossigeGSMC17 [305], SimoninAHL15 [382], PraletLJ15 [350], BurtLPS15 [86], SimoninAHL12 [381], BonfiettiLBM12 [71], HachemiGR11 [182], KovacsB11 [239], BonfiettiLBM11 [70], Vilim11 [424], KovacsB08 [238], Simonis07 [384], LiuJ06 [271], BeniniBGM06 [57], KhemmoudjPB06 [230], OddiPCC03 [327], Wallace96 [430]	Bit-Monnot23 [63], AkramNHRSA23 [8], BourreauGGLT22 [81], AbreuN22 [108], HamPK21 [184], ArmstrongGOS21 [15], AbreuAPNM21 [107], FanXG21 [135], FallahiAC20 [134], TangB20 [394], Mercier-AubinGQ20 [298], QinDCS20 [354], BadicaBI20 [25], MokhtarzadehTNF20 [300], HauderBRPA19 [186], Novas19 [321], BadicaBIL19 [26], abs-1902-09244 [187], KucukY19 [249], EscobetPQPRA19 [129], TangLWSK18 [395], LaborieRSV18 [252], Ham18 [183], KreterSS17 [246], Pralet17 [349], DoulabiRP16 [123], BonfiettiZLM16 [76], MurphyMB15 [310], LetortCB15 [261]... (Total: 64)
Constraints	diffn	ArmstrongGOS21 [15], Simonis07 [384]	BeldiceanuCDP11 [50]	LuoB22 [285], BourreauGGLT22 [81], KreterSS17 [246], KreterSS15 [245], TrojetHL11 [409], Timpe02 [404], GruianK98 [179], SimonisC95 [385], Simonis95 [383]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	disjunctive	JuvinHHL23 [217], NaderiRR23 [312], Bit-Monnot23 [63], YuraszeckMPV22 [449], BourreauGGLT22 [81], KoehlerBFFHPSSS21 [234], GodetLHS20 [167], LaborieRSV18 [252], FahimiOQ18 [132], GokgurHO18 [169], NattafAL17 [314], Pralet17 [349], MossigeGSMC17 [305], FontaineMH16 [140], GoelSHFS15 [168], GayHS15a [153], MelgarejoLS15 [7], SialaAH15 [380], SchuttFS13 [370], OzturkTHO13 [332], SchuttFS13a [369], LombardiM12 [278], BeldiceanuCDP11 [50], SchuttFSW11 [372], LopesCSM10 [280], SchuttW10 [374], GrimesH10 [173], BartakSR10 [39], LombardiM10a [275]... (Total: 49)	BoudreaultSLQ22 [80], AstrandOF21 [22], GeibingerMM21 [159], SacramentoSP20 [362], AstrandJZ20 [24], Polo-MejiaALB20 [345], YangSS19 [444], DemirovicS18 [114], KameugneFGOQ18 [221], SimoninAHL15 [382], EvenSH15 [130], EvenSH15a [131], GayHS15 [152], VilimLS15 [427], KameugneFSN14 [224], GaySS14 [154], KelbelH11 [227], HeinzS11 [194], GrimesH11 [174], LiessM08 [263], MouraSCL08a [306], MouraSCL08 [307], MonetteDD07 [301], ArtiouchineB05 [20], SchildW00 [367], ArtiguesR00 [19], NuijtenP98 [326], Darby-DowmanLMZ97 [104]	abs-2402-00459 [316], LacknerMMWW23 [254], TardivoDFMP23 [396], abs-2306-05747 [398], KameugneFND23 [222], PovedaAA23 [348], EfthymiouY23 [125], TasselGS23 [397], MullerMKP22 [308], OuelletQ22 [330], ColT22 [100], abs-2211-14492 [389], OujanaAYB22 [331], KlankeBYE21 [232], ZhangYW21 [455], Mercier-AubinGQ20 [298], WallaceY20 [431], KucukY19 [249], abs-1911-04766 [157], WikarekS19 [437], ColT19 [99], AstrandJZ18 [23], OuelletQ18 [329], Ham18 [183], YoungFS17 [446], GoldwaserS17 [170], BoothNB16 [77], GingrasQ16 [164], Tesch16 [401]... (Total: 98)
Constraints	endBeforeStart	SubulanC22 [388], QinDCS20 [354]	NaderiRR23 [312], IsikYA23 [213], PandeyS21a [333], LunardiBLRV20 [283], MengZRZL20 [297], LaborieRSV18 [252], NovaraNH16 [320], Laborie09 [250]	JuvinHHL23 [217], YuraszeckMCCR23 [450], CzerniachowskaWZ23 [102], LacknerMMWW23 [254], JuvinHL23 [218], AalianPG23 [1], Teppan22 [400], YunusogluY22 [447], CampeauG22 [88], ZhangJZL22 [454], HamPK21 [184], HubnerGSV21 [211], ZhangYW21 [455], LacknerMMWW21 [253], TangB20 [394], ZouZ20 [464], SacramentoSP20 [362], BenediktMH20 [55], Polo-MejiaALB20 [345], MurinR19 [309], HauderBRPA19 [186], abs-1902-09244 [187], ParkUJR19 [336], GeibingerMM19 [158], abs-1911-04766 [157], Novas19 [321], NishikawaSTT18a [318], NishikawaSTT18 [317], Ham18 [183]
Constraints	geost	BeldiceanuCDP11 [50]	LetortBC12 [259], PembertonG98 [337]	BeldiceanuCP08 [51]
Constraints	noOverlap	abs-2305-19888 [197], NaderiRR23 [312], IsikYA23 [213], JuvinHHL23 [217], HeinzNVH22 [196], ColT22 [100], PopovicCGNC22 [346], VlKHT21 [429], LunardiBLRV20 [283], QinDCS20 [354], GedikKEK18 [155], MelgarejoLS15 [7]	KimCMLLP23 [231], abs-2306-05747 [398], LacknerMMWW23 [254], TasselGS23 [397], AbreuN22 [108], YuraszeckMPV22 [449], PohlAK22 [344], SvancaraB22 [392], KlankeBYE21 [232], Bedhief21 [45], BenderWS21 [54], BenediktMH20 [55], MengZRZL20 [297], ZouZ20 [464], SacramentoSP20 [362], YounespourAKE19 [445], MalapertN19 [289], MurinR19 [309], abs-1911-04766 [157], EscobetPQPRA19 [129], Novas19 [321], LaborieRSV18 [252], ZhangW18 [456], ArbaouiY18 [14], Ham18 [183], NovaraNH16 [320], BoothNB16 [77], GoelSHFS15 [168], PraletLJ15 [350], EdisO11 [124]	JuvinHL23 [218], YuraszeckMC23 [448], AalianPG23 [1], CzerniachowskaWZ23 [102], Squillacipr23 [387], Teppan22 [400], YunusogluY22 [447], WinterMMW22 [438], CampeauG22 [88], OujanaAYB22 [331], ArmstrongGOS22 [16], TouatBT22 [407], ZhangJZL22 [454], HamPK21 [184], AbreuAPNM21 [107], LacknerMMWW21 [253], GroleazNS20 [178], GroleazNS20a [177], NattafM20 [315], Polo-MejiaALB20 [345], BogaerdTW19 [413], ColT19 [99], GeibingerMM19 [158], KucukY19 [249], ParkUJR19 [336], BenediktSMVH18 [56], CappartS17 [89], HechingH16 [190], VilimLS15 [427]... (Total: 31)
Constraints	regular expression		FrimodigS19 [144]	
Constraints	span constraint		CappartS17 [89], SchuttFS13 [370], LombardiM10a [275], Darby-DowmanLMZ97 [104]	OujanaAYB22 [331], TangB20 [394], ZouZ20 [464], YounespourAKE19 [445], LaborieRSV18 [252], SimoninAHL15 [382], SimoninAHL12 [381], SchuttFSW11 [372], PerezGSL23 [338], abs-2312-13682 [339], ArmstrongGOS21 [15], GayHS15 [152], PesantRR15 [340], MelgarejoLS15 [7], LimtanyakulS12 [268], BeniniLMR11 [58], BeckFW11 [44], HermenierDL11 [201], LopesCSM10 [280], MouraSCL08 [307], GodardLN05 [165], ElkhyariGJ02 [126]
Constraints	table constraint	LombardiM10a [275], PapaB98 [335]	JelinekB16 [214]	HubnerGSV21 [211], BogaerdTW19 [413], TangLWSK18 [395], LaborieRSV18 [252], HoYCLLC18 [203], LombardiM10a [275], Laborie09 [250], GarridoOS08 [150]
ProgLanguages	C	KoehlerBFFHPSSS21 [234]		

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ProgLanguages	C++		BourreauGGLT22 [81]	TardivoDFMP23 [396], JuvinHHL23 [217], PopovicCGNC22 [346], ColT22 [100], AntuoriHHEN21 [13], QinWLS21 [353], AbreuAPNM21 [107], Polo-MejiaALB20 [345], AstrandJZ20 [24], Mercier-AubinGQ20 [298], abs-1902-01193 [9], LaborieRSV18 [252], ArbaouiY18 [14], NattafAL17 [314], BoothNB16 [77], Tesch16 [401], Bonfietti16 [69], NattafAL15 [313], LombardiBMB11 [273], LahimerLH11 [255], BeckFW11 [44], KovacsK11 [241], KovacsB11 [239], LopesCSM10 [280], ThiruvadyBME09 [403], MouraSCL08 [307], LiessM08 [263], WatsonB08 [435], MouraSCL08a [306]... (Total: 42)
ProgLanguages	Java		KuchcinskiW03 [247]	abs-2306-05747 [398], AlfieriGPS23 [10], TasselGS23 [397], KameugneFND23 [222], MullerMKP22 [308], FetgoD22 [138], ColT22 [100], YuraszeckMPV22 [449], OuelletQ22 [330], Teppan22 [400], FanXG21 [135], AntuoriHHEN21 [13], ArmstrongGOS21 [15], SacramentoSP20 [362], TangB20 [394], BarzegaranZP20 [42], abs-1911-04766 [157], FrohnerTR19 [145], Tom19 [405], ColT19 [99], GeibingerMM19 [158], OuelletQ18 [329], LaborieRSV18 [252], KameugneFGQ18 [221], Madi-WambaB16 [286], CauwelaertDMS16 [92], LetortCB15 [261], EvenSH15a [131], GayHS15a [153]... (Total: 45)
ProgLanguages	Julia			Wallace96 [430]
ProgLanguages	Lisp			PopovicCGNC22 [346], ArmstrongGOS22 [16], abs-1902-01193 [9], YangSS19 [444], JelinekB16 [214], LetortCB15 [261], LetortCB13 [260], LetortBC12 [259], TrojetHL11 [409], BeldiceanuCDP11 [50], BartakCS10 [37], AronssonBK09 [17], BeldiceanuCP08 [51], KrogtLPHJ07 [414], Simonis07 [384], QuSN06 [355], Geske05 [162], PoderBS04 [343], Bartak02 [35], BeldiceanuC02 [49], KorbAAYG99 [235], Darby-DowmanLMZ97 [104], BrusoniCLMMT96 [85], Goltz95 [171], ErtlK91 [128]
ProgLanguages	Prolog	ArmstrongGOS21 [15], FalaschiGMP97 [133], Zhou97 [459], LammaMM97 [256], Wallace96 [430], Touraivane95 [408], Simonis95 [383], DincbasSH90 [120]	BadicaBI20 [25], MossigeGSMC17 [305], Madi-WambaLOBM17 [287], MartinPY01 [293], RodosekW98 [359], Zhou96 [458], SimonisC95 [385], AggounB93 [6]	abs-1902-01193 [9], YangSS19 [444], JelinekB16 [214], LetortCB15 [261], LetortCB13 [260], LetortBC12 [259], TrojetHL11 [409], BeldiceanuCDP11 [50], BartakCS10 [37], AronssonBK09 [17], BeldiceanuCP08 [51], KrogtLPHJ07 [414], Simonis07 [384], QuSN06 [355], Geske05 [162], PoderBS04 [343], Bartak02 [35], BeldiceanuC02 [49], KorbAAYG99 [235], Darby-DowmanLMZ97 [104], BrusoniCLMMT96 [85], Goltz95 [171], ErtlK91 [128]
ProgLanguages	Python	KoehlerBFFHPSSS21 [234]	abs-2211-14492 [389], AbreuN22 [108], AbreuAPNM21 [107], LaborieRSV18 [252]	EfthymiouY23 [125], SquillaciPR23 [387], Mehdizadeh-Somarin23 [295], KimCMLLP23 [231], MontemanniD23 [304], PovedaAA23 [348], MontemanniD23a [303], AkramNHRSA23 [8], NaderiRRR23 [312], FetgoD22 [138], PohlAK22 [344], MullerMKP22 [308], LuoB22 [285], CampeauG22 [88], KlankeBYE21 [232], FanXG21 [135], HanenKP21 [185], BenderWS21 [54], AbohashimaEG21 [2], LunardiBLRV20 [283], Mercier-AubinGQ20 [298], FrimodigS19 [144], BehrensLM19 [47], FrohnerTR19 [145], GalleguillosKSB19 [147], abs-1902-01193 [9], abs-1901-07914 [48], He0GLW18 [188], GoldwaserS17 [170], LiuCGM17 [270]
CPSystems	CHIP	TrojetHL11 [409], Simonis07 [384], GruianK98 [179], Wallace96 [430], Simonis95 [383], Goltz95 [171], SimonisC95 [385], AggounB93 [6], DincbasSH90 [120]	ArmstrongGOS21 [15], YangSS19 [444], LaborieRSV18 [252], Geske05 [162], PoderBS04 [343], Timpe02 [404], RodosekW98 [359], Zhou97 [459], LammaMM97 [256]	PrataAN23 [351], TardivoDFMP23 [396], KameugneFND23 [222], LuoB22 [285], FetgoD22 [138], BourreauGGLT22 [81], PopovicCGNC22 [346], KlankeBYE21 [232], GodetLHS20 [167], abs-1902-01193 [9], BaptisteB18 [28], KameugneFGQ18 [221], GokgurHO18 [169], MossigeGSMC17 [305], Pralet17 [349], KreterSS17 [246], Madi-WambaB16 [286], FontaineMH16 [140], ZhouGL15 [460], SimoninAHL15 [382], LetortCB15 [261], KreterSS15 [245], GrimesIOS14 [176], KameugneFSN14 [224], DerrienPZ14 [117], OzturkTHO13 [332], SchuttFS13a [369], SimoninAHL12 [381], SchuttCSW12 [368]... (Total: 50)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	CPO	NaderiRR23 [312], LacknerMMWW23 [254], JuvinHHL23 [217], Bit-Monnot23 [63], CzerniachowskaWZ23 [102], WinterMMW22 [438], ColT22 [100], LacknerMMWW21 [253], ArmstrongGOS21 [15], NattafM20 [315], GroleazNS20 [178], Polo-MejiaALB20 [345], GroleazNS20a [177], SacramentoSP20 [362], GeibingerMM19 [158], ColT19 [99], MalapertN19 [289], LaborieRSV18 [252], KreterSS17 [246], GoelSHFS15 [168], PraletLJ15 [350], Laborie09 [250]	AalianPG23 [1], abs-1911-04766 [157], NuijtenA94 [325]	JuvinHL23 [218], PovedaAA23 [348], OujanaAYB22 [331], GeibingerMM21 [159], TangB20 [394], Laborie18a [251], Pralet17 [349], VilimLS15 [427], BartakSR10 [39], GarridoAO09 [149], Vilim09 [422], GarridoOS08 [150]
CPSystems	Choco Solver	TasselGS23 [397], abs-2306-05747 [398], LetortCB15 [261], LetortCB13 [260], OuelletQ13 [328], LetortBC12 [259], GrimesHM09 [175], abs-0907-0939 [341], GarridoAO09 [149], GarridoOS08 [150]	KameugneFND23 [222], MullerMKP22 [308], FetgoD22 [138], AntuoriHHEN21 [13], LiuLH19 [269], FahimiOQ18 [132], KameugneFGOQ18 [221], LaborieRSV18 [252], GayHS15 [152], KoschB14 [237], DerrienPZ14 [117], DerrienP14 [116], HermenierDL11 [201], ClercqPBJ11 [97]	BourreauGGLT22 [81], OuelletQ22 [330], GodetLHS20 [167], YangSS19 [444], OuelletQ18 [329], GingrasQ16 [164], Madi-WambaB16 [286], EvenSH15a [131], MurphyMB15 [310], EvenSH15 [130], BessiereHMqw14 [61], BartakSR10 [39], RossiTHP07 [360]
CPSystems	Chuffed	LacknerMMWW23 [254], PovedaAA23 [348], BoudreaultSLQ22 [80], MullerMKP22 [308], LacknerMMWW21 [253], GeibingerMM21 [159], ArmstrongGOS21 [15], KoehlerBFFHPSSS21 [234], WallaceY20 [431], GodetLHS20 [167], abs-1911-04766 [157], YoungFS17 [446], KreterSS17 [246], SzerediS16 [393], KreterSS15 [245]		SchuttS16 [373]
CPSystems	Claire	BaptisteP00 [31]	BaptisteP97 [30]	HananKP21 [185], PapaB98 [335]
CPSystems	Cplex	CzerniachowskaWZ23 [102], NaderiRR23 [312], SubulanC22 [388], BourreauGGLT22 [81], MullerMKP22 [308], WinterMMW22 [438], HubnerGSV21 [211], GeibingerKKMMW21 [156], KoehlerBFFHPSSS21 [234], PandeyS21a [333], Bedhief21 [45], HamPK21 [184], QinDCS20 [354], ZouZ20 [464], SacramentoSP20 [362], LunardiBLRV20 [283], MengZRZL20 [297], MurinR19 [309], GeibingerMM19 [158], abs-1911-04766 [157], NishikawaSTT19 [319], GurEA19 [465], LaborieRSV18 [252], NishikawaSTT18 [317], NishikawaSTT18a [318], KreterSS17 [246], NovaraNH16 [320], KoschB14 [237], HeinzSB13 [195]... (Total: 33)	LacknerMMWW23 [254], Mehdizadeh-Somarin23 [295], IsikYA23 [213], CampeauG22 [88], YunusogluY22 [447], LuoB22 [285], ColT22 [100], TouatBT22 [407], LacknerMMWW21 [253], KovacsTKSG21 [244], QinWSLS21 [353], ArmstrongGOS21 [15], MokhtarzadehTNF20 [300], NattafM20 [315], WallaceY20 [431], HauderBRPA19 [186], abs-1902-09244 [187], MalapertN19 [289], Novas19 [321], DoulabiRP16 [123], HechingH16 [190], VilimLS15 [427], BofillGSV15 [68], NattafAL15 [313], PraletLJ15 [350], BofillEGPSV14 [67], GrimesIOS14 [176], HeinzKB13 [192], HeinzB12 [191]... (Total: 41)	AlferiGPS23 [10], JuvinHL23 [218], SquillaciPR23 [387], GurPAE23 [181], PovedaAA23 [348], YuraszeckMCCR23 [450], AalianPG23 [1], abs-2211-14492 [389], YuraszeckMPV22 [449], PohlAK22 [344], PopovicCGNC22 [346], AbreuN22 [108], ZhangYW21 [455], GeibingerMM21 [159], FanXG21 [135], VlkHT21 [429], KlankeBYE21 [232], AbreuAPNM21 [107], TangB20 [394], Polo-MejiaALB20 [345], GroleazNS20a [177], FrimodigS19 [144], BogaerdtW19 [413], EscobetPQPRA19 [129], KucukY19 [249], Ham18 [183], PourDERB18 [347], TangLWSK18 [395], ZhangW18 [456]... (Total: 71)
CPSystems	ECLiPSe	BadicaBI20 [25], BadicaBIL19 [26], RodosekW98 [359]	SchuttFSW11 [372], KamarainenS02 [219], Darby-DowmanLMZ97 [104], Wallace96 [430]	FanXG21 [135], WikarekS19 [437], ZeballosQH10 [453], SchuttFSW09 [371], BeniniBGM06 [57], ChuX05 [95], QuirogaZH05 [356], MartinPY01 [293], LammaMM97 [256]
CPSystems	Gecode	TardivoDFMP23 [396], BadicaBI20 [25], AstrandJZ20 [24], BadicaBIL19 [26], SzerediS16 [393], ZhouGL15 [460], GayHS15 [152], KameugneFSN14 [224]	MullerMKP22 [308], AntuoriHHEN21 [13], GeibingerKKMMW21 [156], Astrand0F21 [22], FrohnerTR19 [145], abs-1911-04766 [157], GeibingerMM19 [158], LaborieRSV18 [252], BurtLPS15 [86], BofillEGPSV14 [67], KovacsK11 [241], KameugneFSN11 [223], ThiruvadyBME09 [403]	ArmstrongGOS21 [15], WessenCS20 [436], WallaceY20 [431], MengZRZL20 [297], FrimodigS19 [144], YangSS19 [444], AstrandJZ18 [23], GoldwaserS17 [170], PesantRR15 [340], MonetteDD07 [301]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	Gurobi	WangB23 [433], NaderiRR23 [312], LacknerMMWW23 [254], WinterMMW22 [438], KovacsTKSG21 [244], GeibingerKKMMW21 [156], KoehlerBFFHPSSS21 [234], LacknerMMWW21 [253], WangB20 [432], WallaceY20 [431], FrohnerTR19 [145]	VlkHT21 [429], GoldwaserS17 [170], FontaineMH16 [140]	KimCMLLP23 [231], abs-2305-19888 [197], MontemanniD23 [304], HeinzNVH22 [196], PohlAK22 [344], HubnerGSV21 [211], FanXG21 [135], KlankeBYE21 [232], AbohashimaEG21 [2], BenediktMH20 [55], MengZRZL20 [297], He0GLW18 [188], DemirovicS18 [114], BenediktSMVH18 [56], BurtLPS15 [86], PesantRR15 [340]
CPSystems	Ilog Scheduler	GrimesH11 [174], ZeballosQH10 [453]	LaborieRSV18 [252], NovasH12 [323], HeinzB12 [191], LimtanyakulS12 [268], BeckFW11 [44], GrimesHM09 [175], WatsonB08 [435], ZeballosH05 [452], NuijtenP98 [326]	Laborie18a [251], SchuttS16 [373], NovasH14 [324], BeniniLMR11 [58], KovacsB11 [239], SchuttFSW11 [372], LahimerLH11 [255], HachemiGR11 [182], LopesCSM10 [280], NovasH10 [322], Vilim09a [423], RuggieroBBMA09 [361], KovacsB08 [238], MouraSCL08a [306], MouraSCL08 [307], HoeveGSL07 [415], Simonis07 [384], KovacsV06 [243], Hooker06 [207], WuBB05 [443], ArtiouchineB05 [20], QuirogaZH05 [356], Hooker05a [206], Hooker05 [205], GodardLN05 [165], KovacsV04 [242], ArtiguesBF04 [18], Hooker04 [204], DannaP03 [103]... (Total: 33)
CPSystems	Ilog Solver		GrimesH11 [174], ZeballosQH10 [453]	abs-1902-01193 [9], LaborieRSV18 [252], ZarandiKS16 [451], PesantRR15 [340], BonfiettiLBM14 [72], NovasH14 [324], OzturkTHO13 [332], BonfiettiLBM12 [71], NovasH12 [323], HeinzB12 [191], LombardiM12a [277], KelbelH11 [227], BonfiettiLBM11 [70], KovacsK11 [241], KovacsB11 [239], TopalogluO11 [406], LombardiM10 [276], LopesCSM10 [280], LombardiM09 [274], RuggieroBBMA09 [361], MouraSCL08a [306], MouraSCL08 [307], KovacsB08 [238], GomesHS06 [172], BeniniBGM06 [57], QuirogaZH05 [356], ZeballosH05 [452], GodardLN05 [165], ArtiguesBF04 [18]... (Total: 40)
CPSystems	MiniZinc	LacknerMMWW23 [254], TardivoDFMP23 [396], ColT22 [100], BoudreaultSLQ22 [80], MullerMKP22 [308], JungblutK22 [216], ArmstrongGOS21 [15], KoehlerBFFHPSSS21 [234], LacknerMMWW21 [253], Mercier-AubinGQ20 [298], WallaceY20 [431], abs-1911-04766 [157], ColT19 [99], FrohnerTR19 [145], GeibingerMM19 [158], YoungFS17 [446], LiuCGM17 [270], SzerediS16 [393], BofilLEGPSV14 [67], KelarevaTK13 [226]	PovedaAA23 [348], KreterSS17 [246], KreterSS15 [245]	Bit-Monnot23 [63], OuelletQ22 [330], GeibingerKKMMW21 [156], abs-1901-07914 [48], FrimodigS19 [144], BehrensLM19 [47], DemirovicS18 [114], FontaineMH16 [140], SchuttS16 [373], BurtLPS15 [86], HeinzSB13 [195], SchuttFS13 [370]
CPSystems	Mistral	JuvinHHL23 [217], GrimesHM09 [175]	Bit-Monnot23 [63], BillautHL12 [62]	SialaAH15 [380]
CPSystems	OPL	LacknerMMWW23 [254], YunusogluY22 [447], MullerMKP22 [308], TouatBT22 [407], ColT22 [100], LacknerMMWW21 [253], PandeyS21a [333], KoehlerBFFHPSSS21 [234], QinDCS20 [354], Novas19 [321], EscobetPQPRA19 [129], TangLWSK18 [395], LaborieRSV18 [252], NovasNH16 [320], AlesioNBG14 [118], NovasH12 [323], HachemiGR11 [182], ZeballosQH10 [453], Laborie09 [250], KhayatLR06 [229], AggounB93 [6]	SubulanC22 [388], Teppan22 [400], Mercier-AubinGQ20 [298], ZouZ20 [464], MurinR19 [309], Laborie18a [251], LimBTBB15 [266], WangMD15 [434], EvenSH15a [131], NovasH14 [324], OzturkTHO13 [332], SerraNM12 [375], HeinzB12 [191], TopalogluO11 [406], EdisO11 [124], KelbelH11 [227], ZibranR11a [463], NovasH10 [322], Simonis07 [384], GarganiR07 [148], KrogtLPHJ07 [414], Hooker06 [207], ZeballosH05 [452], QuirogaZH05 [356], Hooker05a [206], LorigeonBB02 [282], VerfaillieL01 [417], RodosekW98 [359]	abs-2402-00459 [316], GurPAE23 [181], CzerniachowskaWZ23 [102], MontemanniD23 [304], IsikYA23 [213], EfthymiouY23 [125], YuraszeckMCCR23 [450], PerezGSL23 [338], abs-2312-13682 [339], GeitzGSSW22 [160], ArmstrongGOS22 [16], BoudreaultSLQ22 [80], OujanaAYB22 [331], LiFJZLL22 [262], VlkHT21 [429], Bedhief21 [45], HamPK21 [184], QinWSLS21 [353], HubnerGSV21 [211], WallaceY20 [431], MengZRZL20 [297], BogaerdW19 [413], YounespourAKE19 [445], HauderBRPA19 [186], abs-1902-09244 [187], Tom19 [405], YangSS19 [444], abs-1902-01193 [9], Ham18 [183]... (Total: 67)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	OR-Tools	abs-2402-00459 [316], LacknerMMWW23 [254], abs-2211-14492 [389], ColT22 [100], MullerMKP22 [308], KovacsTKSG21 [244], LacknerMMWW21 [253], KoehlerBFFHPSSS21 [234], FallahiAC20 [134], ColT19 [99], GayHS15 [152]	EfthymiouY23 [125], BoudreaultSLQ22 [80], GeibingerKKMMW21 [156], BarzegaranZP20 [42], LiuCGM17 [270]	Bit-Monnot23 [63], KimCMLLP23 [231], MontemanniD23 [304], AkramNHRS23 [8], MontemanniD23a [303], Teppan22 [400], KlankeBYE21 [232], MengZRZL20 [297], GroleazNS20 [178], GalleguillosKSB19 [147], BehrensLM19 [47], abs-1901-07914 [48], YangSS19 [444], PourDERB18 [347], BonfiettiZLM16 [76], ZhouGL15 [460], LombardiM12 [278]
CPSystems	OZ	PrataAN23 [351], NaderiRR23 [312], CzerniachowskaWZ23 [102], IsikYA23 [213], YunusogluY22 [447], WikarekS19 [437], GokgurHO18 [169], TopalogluO11 [406], NovasH10 [322], RuggieroBBMA09 [361], VanczaM01 [416], SchildW00 [367]	GeitzGSSW22 [160], BourreauGGLT22 [81], AbreuN22 [108], SubulanC22 [388], PohlAK22 [344], FanXG21 [135], GodetLHS20 [167], AstrandJZ20 [24], WessenCS20 [436], abs-1901-07914 [48], LiuLH19 [269], Novas19 [321], BehrensLM19 [47], Hooker17 [208], BridiBLMB16 [83], EdisO11 [124], GrimesH11 [174], ZeballosQH10 [453], BocewiczBB09 [65], LiessM08 [263], SureshMOK06 [391], BeniniBGM06 [57], GodardLN05 [165], MaraveliasG04 [292]	Mehdizadeh-Somarin23 [295], GurPAE23 [181], MullerMKP22 [308], CampeauG22 [88], ZhangJZL22 [454], ArmstrongGOS22 [16], FetgoD22 [138], TouatBT22 [407], abs-2211-14492 [389], LiFJZLL22 [262], PopovicCGNC22 [346], AbreuAPNM21 [107], ArmstrongGOS21 [15], Bedhief21 [45], LacknerMMWW21 [253], QinWSLS21 [353], PandeyS21a [333], WangB20 [432], SacramentoSP20 [362], FallahiAC20 [134], abs-1911-04766 [157], GurEA19 [465], Tom19 [405], abs-1902-09244 [187], HauderBRPA19 [186], FrimodigS19 [144], NishikawaSTT19 [319], GalleguillosKSB19 [147], ArbaouiY18 [14]... (Total: 75)
CPSystems	SICStus	ArmstrongGOS21 [15], LetortCB15 [261], LetortCB13 [260], LetortBC12 [259]	MossigeGSMC17 [305], SchuttFSW11 [372], QuSN06 [355]	ArmstrongGOS22 [16], PopovicCGNC22 [346], YangSS19 [444], Madi-WambaLOBM17 [287], JelinekB16 [214], BeldiceanuCDP11 [50], TrojetHL11 [409], BartakCS10 [37], SchuttFSW09 [371], BeldiceanuCP08 [51], Geske05 [162], Bartak02 [35], BeldiceanuC02 [49]
CPSystems	Z3	KoehlerBFFHPSSS21 [234], YounespourAKE19 [445], SureshMOK06 [391]	NaderiRR23 [312], VlKHT21 [429], WikarekS19 [437], Zhou97 [459]	ZhangW18 [456], BofillCSV17 [66], BertholdHLMS10 [60], Zhou96 [458]
ApplicationAreas	COVID		GeibingerKKMMW21 [156]	Mehdizadeh-Somarin23 [295], GurPAE23 [181], OujanaAYB22 [331]
ApplicationAreas	HVAC	LimHTB16 [265], LimBTBB15 [266], GrimesIOS14 [176]		
ApplicationAreas	agriculture			AkramNHRS23 [8], BenderWS21 [54], HamPK21 [184], QinWSLS21 [353], AstrandOF21 [22]
ApplicationAreas	aircraft	PohlAK22 [344], WangB20 [432], LombardiM12 [278], FrankK05 [142], ArtiouchineB05 [20]	WangB23 [433], Ham18 [183], Simonis07 [384], SakkoutW00 [365]	PrataAN23 [351], PovedaAA23 [348], HauderBRPA19 [186], abs-1902-09244 [187], LaborieRSV18 [252], Laborie09 [250], KovacsB08 [238], KrogLPHJ07 [414], MartinPY01 [293], GruianK98 [179], Darby-DowmanLMZ97 [104], Wallace96 [430], Simonis95 [383], SimonisC95 [385]
ApplicationAreas	automotive		YuraszeckMPV22 [449], LimtanyakulS12 [268], SunLYL10 [390], BarlattCG08 [33], SchildW00 [367]	PovedaAA23 [348], NaderiRR23 [312], CzerniachowskaWZ23 [102], AntuoriHHEN21 [13], HubnerGSV21 [211], AbreuAPNM21 [107], KoehlerBFFHPSSS21 [234], VlKHT21 [429], BarzegaranZP20 [42], GeibingerMM19 [158], abs-1911-04766 [157], BonfiettiZLM16 [76], AlesioNBG14 [118], BeniniBGM06 [57], KovacsV06 [243], Wallace96 [430]
ApplicationAreas	cable tree	KoehlerBFFHPSSS21 [234]		
ApplicationAreas	car manufacturing		AntuoriHHEN21 [13]	
ApplicationAreas	container terminal	QinDCS20 [354], SacramentoSP20 [362]	LaborieRSV18 [252]	abs-2312-13682 [339], PerezGSL23 [338], TouatBT22 [407], WallaceY20 [431], FallahiAC20 [134], CauwelaertDMS16 [92], DejemeppeCS15 [111], NovasH12 [323], LimRX04 [264]
ApplicationAreas	crew-scheduling	PourDERB18 [347]	BourreauGGLT22 [81], Mason01 [294], Touraivane95 [408]	NaderiRR23 [312], WangB23 [433], HeinzNVH22 [196], MokhtarzadehTNF20 [300], TangLWSK18 [395], DoulabiRP16 [123], HachemiGR11 [182], BeldiceanuC02 [49]
ApplicationAreas	dairies			Bartak02 [35], Bartak02a [34]
ApplicationAreas	dairy	EscobetQPRA19 [129]	PrataAN23 [351]	
ApplicationAreas	datacenter	HermenierDL11 [201]		GalleguillosKSB19 [147], Madi-WambaLOBM17 [287], IfrimOS12 [212], LetortBC12 [259]
ApplicationAreas	datacentre			

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ApplicationAreas	day-ahead market			
ApplicationAreas	deep space			
ApplicationAreas	earth observation	SquillaciPR23 [387], KucukY19 [249], VerfaillieL01 [417]	BensanaLV99 [59]	PraletLJ15 [350], SimoninAHL15 [382], KelarevaTK13 [226], OddiPCC03 [327]
ApplicationAreas	earth orbit			SquillaciPR23 [387]
ApplicationAreas	electroplating		RodosekW98 [359]	EfthymiouY23 [125], WallaceY20 [431], NovasH12 [323]
ApplicationAreas	energy-price	GrimesIOS14 [176], IfrimOS12 [212]		PrataAN23 [351], EscobetPQPRA19 [129], BenediktSMVH18 [56], He0GLW18 [188], LimHTB16 [265]
ApplicationAreas	farming			WinterMMW22 [438], Astrand0F21 [22]
ApplicationAreas	forestry	HachemiGR11 [182]		Astrand0F21 [22]
ApplicationAreas	hoist	EfthymiouY23 [125], WallaceY20 [431], RodosekW98 [359]	NovasH12 [323], BonfiettiLBM11 [70]	AstrandJZ18 [23], BonfiettiLBM14 [72], BonfiettiM12 [75], BonfiettiLBM12 [71], LombardiBMB11 [273], KorbAA YG99 [235], PapaB98 [335]
ApplicationAreas	medical	ShinBBHO18 [378], WangMD15 [434], TopalogluO11 [406]	HechingH16 [190], DejemeppeD14 [112], RendlPHPR12 [357]	ShaikhK23 [376], AkramNHRSa23 [8], IsikYA23 [213], YunusogluY22 [447], AbreuN22 [108], GeibingerKKMMW21 [156], AbreuAPNM21 [107], Bedhief21 [45], FallahiAC20 [134], abs-1902-01193 [9], FrimodigS19 [144], Novas19 [321], GurEA19 [465], YounespourAKE19 [445], HoYCLLC18 [203], GedikKEK18 [155], DoulabiRP16 [123], BridiBLMB16 [83], BoothNB16 [77], BonfiettiLBM14 [72], DoulabiRP14 [122], Simonis07 [384]
ApplicationAreas	nurse	GurPAE23 [181], abs-1902-01193 [9], HoYCLLC18 [203], ShinBBHO18 [378], WangMD15 [434], RendlPHPR12 [357], Simonis07 [384], Mason01 [294]	OuelletQ22 [330], GeibingerKKMMW21 [156], GeibingerMM21 [159], YounespourAKE19 [445], FrohnerTR19 [145]	PerezGSL23 [338], abs-2312-13682 [339], BourreauGGTL22 [81], FallahiAC20 [134], FrimodigS19 [144], GedikKEK18 [155], NishikawaSTT18a [318], DoulabiRP16 [123], DoulabiRP14 [122], TopalogluO11 [406]
ApplicationAreas	offshore		SubulanC22 [388]	BoudreaultSLQ22 [80]
ApplicationAreas	oven scheduling	LacknerMMWW23 [254], LacknerMMWW21 [253]		ColT22 [100]
ApplicationAreas	patient	GurPAE23 [181], GurEA19 [465], FrimodigS19 [144], YounespourAKE19 [445], ShinBBHO18 [378], HechingH16 [190], DoulabiRP16 [123], WangMD15 [434], DejemeppeD14 [112], RendlPHPR12 [357], TopalogluO11 [406]	GeibingerKKMMW21 [156]	AlferiGPS23 [10], AbreuAPNM21 [107], MurinR19 [309], HoYCLLC18 [203], DoulabiRP14 [122], Simonis07 [384]
ApplicationAreas	perfect-square	BeldiceanuCDP11 [50], BeldiceanuCP08 [51], AggounB93 [6]		
ApplicationAreas	physician	GeibingerKKMMW21 [156], ShinBBHO18 [378]		GurPAE23 [181], FrimodigS19 [144], WangMD15 [434], TopalogluO11 [406]
ApplicationAreas	pipeline	BegB13 [46], LopesCSM10 [280], RuggieroBBMA09 [361], MouraSCL08 [307], MouraSCL08a [306], ErtIK91 [128]	ZouZ20 [464], TangLWSK18 [395], MalikMB08 [291], BeniniBGM06 [57], WolinskiKG04 [441]	EfthymiouY23 [125], PopovicCGNC22 [346], HananKP21 [185], NishikawaSTT19 [319], NishikawaSTT18 [317], NishikawaSTT18a [318], LaborieRSV18 [252], Bonfietti16 [69], GilesH16 [163], GoelSHFS15 [168], SimoninAHL15 [382], BonfiettiLBM14 [72], BeniniLMR11 [58], NovasH10 [322], BarlattCG08 [33], KuchcinskiW03 [247], Wolf03 [439], GruianK98 [179], Darby-DowmanLMZ97 [104], SimonisC95 [385]
ApplicationAreas	radiation therapy	FrimodigS19 [144]		
ApplicationAreas	railway	SvancaraB22 [392], PourDERB18 [347], CappartS17 [89], Acuna-AgostMFG09 [4], AronssonBK09 [17], Geske05 [162], MartinPY01 [293], LammaMM97 [256]	LaborieRSV18 [252], TangLWSK18 [395], Mason01 [294], BrusoniCLMMT96 [85]	LuoB22 [285], BogaerdTW19 [413], ZhouGL15 [460], AbrilSB05 [3], Wallace96 [430]
ApplicationAreas	real-time pricing		He0GLW18 [188], GrimesIOS14 [176]	LimHTB16 [265]
ApplicationAreas	rectangle-packing	YangSS19 [444], AggounB93 [6]	LuoB22 [285]	MossigeGSMC17 [305], DoulabiRP16 [123], VilimLS15 [427], BeldiceanuCDP11 [50], SchuttW10 [374], BeldiceanuCP08 [51]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ApplicationAreas	robot	IsikYA23 [213], LiFJZLL22 [262], ArmstrongGOS21 [15], KoehlerBFFHPSSS21 [234], WessenCS20 [436], MokhtarzadehTNF20 [300], MurinR19 [309], abs-1901-07914 [48], BehrensLM19 [47], LaborieRSV18 [252], MossigeGSMC17 [305], BoothNB16 [77], NovasH14 [324], NovasH12 [323], BartakSR10 [39], ValleMGT03 [411]	PrataAN23 [351], Mehdizadeh-Somarin23 [295], CzerniachowskaWZ23 [102], TouatBT22 [407], YunusogluY22 [447], OujanaAYB22 [331], AstrandOF21 [22], WallaceY20 [431], WikarekS19 [437], NishikawaSTT19 [319], NishikawaSTT18a [318], NishikawaSTT18 [317], VanczaM01 [416]	abs-2305-19888 [197], MontemanniD23 [304], HeinzNVH22 [196], GeitzGSSW22 [160], MullerMKP22 [308], ColT22 [100], YuraszeckMPV22 [449], HamPK21 [184], ZhangYW21 [455], VlkHT21 [429], Bedhief21 [45], FallahiAC20 [134], MengZRZL20 [297], BenediktMH20 [55], AstrandJZ20 [24], BarzegaranZP20 [42], Novas19 [321], GokgurHO18 [169], Ham18 [183], ZhangW18 [456], AstrandJZ18 [23], ZarandiKS16 [451], DoulabiRP16 [123], SimoninAHL15 [382], BonfiettiLBM14 [72], LimtanyakulS12 [268], BonfiettiLBM12 [71], BonfiettiLBM11 [70], TrojetHL11 [409]... (Total: 42)
ApplicationAreas	satellite	SquillaciPR23 [387], GodetLHS20 [167], KucukY19 [249], LaborieRSV18 [252], PraletLJ15 [350], KelarevaTK13 [226], VerfaillieL01 [417], BensanaLV99 [59], PembertonG98 [337]	Laborie09 [250], FrankK05 [142]	EfthymiouY23 [125], TouatBT22 [407], AstrandOF21 [22], Pralet17 [349], SimoninAHL15 [382], BessiereHMQW14 [61], HeinzSB13 [195], SimoninAHL12 [381], RuggieroBBMA09 [361], OddiPCC03 [327], NuijtenP98 [326]
ApplicationAreas	semiconductor	MalapertN19 [289], NovasH12 [323]	QinWSLS21 [353], GokgurHO18 [169], Davenport10 [105], KrogtLPHJ07 [414]	LacknerMMWW23 [254], YuraszeckMPV22 [449], abs-2211-14492 [389], MullerMKP22 [308], ColT22 [100], ZhangJZL22 [454], FanXG21 [135], LacknerMMWW21 [253], HamPK21 [184], PandeyS21a [333], MengZRZL20 [297], NattafM20 [315], TangB20 [394], Novas19 [321], LaborieRSV18 [252], Ham18 [183], KoschB14 [237]
ApplicationAreas	ship building			
ApplicationAreas	steel cable			AalianPG23 [1]
ApplicationAreas	steel mill	GaySS14 [154], HeinzSSW12 [193], SchausHMCMD11 [366], HentenryckM08 [200], GarganiR07 [148]		abs-2312-13682 [339], PerezGSL23 [338], DoulabiRP16 [123]
ApplicationAreas	super-computer	BorghesiBLMB18 [78], BridiBLMB16 [83], BartoliniBBLM14 [41]		LuoB22 [285], GalleguillosKSB19 [147]
ApplicationAreas	torpedo	KletzanderM17 [233], GoldwaserS17 [170]		
ApplicationAreas	vaccine			
ApplicationAreas	yard crane		QinDCS20 [354]	WallaceY20 [431]
Industries	aerospace industry			SchildW00 [367]
Industries	agricultural industry	WinterMMW22 [438]		
Industries	automotive industry		LimtanyakulS12 [268]	CzerniachowskaWZ23 [102], AntuoriHHEN21 [13], BonfiettiZLM16 [76], SchildW00 [367], Wallace96 [430]
Industries	chemical industry		Timpe02 [404]	LaborieRSV18 [252], GilesH16 [163], LombardiM12 [278], PoderBS04 [343], GilesH16 [163]
Industries	chemical processing industry			
Industries	control system industry			BonfiettiZLM16 [76]
Industries	electricity industry			PopovicCGNC22 [346]
Industries	electronics industry			LacknerMMWW23 [254], LacknerMMWW21 [253]
Industries	food industry			OujanaAYB22 [331], GroleazNS20a [177], GroleazNS20 [178], EscobetPQPRA19 [129], HachemiGR11 [182], SimonisC95 [385], Simonis95 [383]
Industries	food-processing industry			KlankeBYE21 [232], HauderBRPA19 [186], abs-1902-09244 [187]
Industries	manufacturing industry			PrataAN23 [351], CzerniachowskaWZ23 [102], LacknerMMWW23 [254], WinterMMW22 [438], YuraszeckMPV22 [449], FanXG21 [135], LacknerMMWW21 [253], Mercier-AubinGQ20 [298], TangB20 [394], EscobetPQPRA19 [129], GedikKEK18 [155]
Industries	mineral industry			AstrandOF21 [22], AstrandJZ20 [24]
Industries	mining industry		AalianPG23 [1]	abs-2402-00459 [316], CampeauG22 [88], AstrandOF21 [22], AstrandJZ20 [24]
Industries	oil industry			AbreuAPNM21 [107], LopesCSM10 [280]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Industries	packaging industry			ArmstrongGOS21 [15]
Industries	petro-chemical industry			LaborieRSV18 [252], GilesH16 [163]
Industries	pharmaceutical industry			YuraszeckMCCR23 [450], CzerniachowskaWZ23 [102], GeibingerKKMMW21 [156], NovaraNH16 [320]
Industries	potash industry			Astrand0F21 [22], AstrandJZ20 [24], AstrandJZ18 [23]
Industries	power industry			FrostD98 [146]
Industries	process industry		Timpe02 [404]	HeinzSSW12 [193], Wallace96 [430]
Industries	retail industry			ChapadosJR11 [94]
Industries	services industry			DoomsH08 [121]
Industries	ship repair industry			BoudreaultSLQ22 [80]
Industries	steel industry		DavenportKRSH07 [106]	LacknerMMWW23 [254], KimCMLLP23 [231], IsikYA23 [213], OujanaAYB22 [331], LacknerMMWW21 [253], HauderBRPA19 [186], abs-1902-09244 [187], KletzanderM17 [233], GoldwaserS17 [170], HeinzSSW12 [193], SchausHMCMD11 [366], GrimesH10 [173], GarganiR07 [148]
Industries	steel making industry			BessiereHMQW14 [61]
Industries	textile industry	Mercier-AubinGQ20 [298]		LiuCGM17 [270]
Industries	tourism industry			LiuLH19 [269], GelainPRVW17 [161], GaySS14 [154], RendlPHPR12 [357], HentenryckM08 [200]
Benchmarks	CSPlib	SchausHMCMD11 [366], GarganiR07 [148]	LaborieRSV18 [252], MossigeGSMC17 [305], NovaraNH16 [320], HeinzSSW12 [193]	CzerniachowskaWZ23 [102], HanenKP21 [185], Polo-MejiaALB20 [345], MalapertN19 [289], Tesch18 [402], OuelletQ18 [329], Tesch16 [401], Acuna-AgostMFG09 [4]
Benchmarks	Roadef		LetortCB15 [261], LetortCB13 [260], LetortBC12 [259]	PrataAN23 [351], CzerniachowskaWZ23 [102], MontemanniD23 [304], EfthymiouY23 [125], KimCMLLP23 [231], SquillaciPR23 [387], SvancaraB22 [392], JungblutK22 [216], PohlAK22 [344], SubulanC22 [388], YuraszeckMPV22 [449], YunusogluY22 [447], ArmstrongGOS22 [16], Astrand0F21 [22], HubnerGSV21 [211], KlankeBYE21 [232], VlkHT21 [429], ArmstrongGOS21 [15], LunardiBLRV20 [283], NattafM20 [315], AstrandJZ20 [24], QinDCS20 [354], ZouZ20 [464], abs-1901-07914 [48], BogaardtW19 [413], FrohnerTR19 [145], MalapertN19 [289], KucukY19 [249], MurinR19 [309]... (Total: 95)
Benchmarks	benchmark	IsikYA23 [213], TardivoDFMP23 [396], AlfieriGPS23 [10], JuvinHHL23 [217], ShaikhK23 [376], LacknerMMWW23 [254], PovedaAA23 [348], Bit-Monnot23 [63], NaderiRR23 [312], TasselGS23 [397], abs-2306-05747 [398], YuraszeckMCCR23 [450], BoudreaultSLQ22 [80], ZhangJZL22 [454], OuelletQ22 [330], abs-2211-14492 [389], ColT22 [100], TouatBT22 [407], AbreuN22 [108], MullerMKP22 [308], LiFJZLL22 [262], WinterMMW22 [438], Teppan22 [400], HamPK21 [184], KoehlerBFFHPSSS21 [234], PandeyS21a [333], LacknerMMWW21 [253], GeibingerMM21 [159], ZhangYW21 [455]... (Total: 69)	abs-2402-00459 [316], AkramNHRSA23 [8], YuraszeckMC23 [448], MontemanniD23a [303], KameugneFND23 [222], abs-2305-19888 [197], FetgoD22 [138], OujanaAYB22 [331], BourreauGGLT22 [81], HeinzNVH22 [196], AbreuAPNM21 [107], KovacsTKSG21 [244], SacramentoSP20 [362], BenediktMH20 [55], GroleazNS20 [178], BadicaBI20 [25], MengZRZL20 [297], Novas19 [321], NishikawaSTT19 [319], GeibingerMM19 [158], ArbaouiY18 [14], NishikawaSTT18 [317], FahimiOQ18 [132], RiahiNS018 [358], MossigeGSMC17 [305], BofilCSV17 [66], SzerediS16 [393], Bonfietti16 [69], GingrasQ16 [164]... (Total: 61)	TardivoDFMP23 [396]
Benchmarks	bitbucket			He0GLW18 [188], CappartS17 [89], CauwelaertDMS16 [92], GayHLS15 [151], GayHS15a [153], DejemeppeCS15 [111], GayHS15 [152], DejemeppeD14 [112], HoundjiSWD14 [210]
Benchmarks	generated instance	IsikYA23 [213], LuoB22 [285], abs-1911-04766 [157]	abs-2312-13682 [339], PerezGSL23 [338], GodetLHS20 [167], Madi-WambaB16 [286], KelbelH11 [227], SchausHMCMD11 [366]	abs-2402-00459 [316], abs-2305-19888 [197], EfthymiouY23 [125], BoudreaultSLQ22 [80], ColT22 [100], YuraszeckMPV22 [449], HeinzNVH22 [196], YunusogluY22 [447], abs-2211-14492 [389], TouatBT22 [407], AbreuAPNM21 [107], GeibingerMM21 [159], HanenKP21 [185], AbohashimaEG21 [2], Astrand0F21 [22], MokhtarzadehTNF20 [300], LunardiBLRV20 [283], BenediktMH20 [55], GeibingerMM19 [158], MalapertN19 [289], YangSS19 [444], KucukY19 [249], BenediktSMVH18 [56], PourDERB18 [347], GoldwaserS17 [170], MossigeGSMC17 [305], BonfiettiZLM16 [76], DoulabiRP16 [123], NattafAL15 [313]... (Total: 39)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	github	KoehlerBFFHPSSS21 [234]	TardivoDFMP23 [396], PovedaAA23 [348], JungblutK22 [216], BoudreaultSLQ22 [80], HamPK21 [184], GodetLHS20 [167], BenediktMH20 [55], LunardiBLRV20 [283]	abs-2402-00459 [316], YuraszeckMC23 [448], SquillaciPR23 [387], JuvinHHL23 [217], YuraszeckMCCR23 [450], Bit-Monnot23 [63], abs-2306-05747 [398], NaderiRR23 [312], TasselGS23 [397], LuoB22 [285], OuelletQ22 [330], ColT22 [100], YuraszeckMPV22 [449], GeitzGSSW22 [160], MullerMKP22 [308], KovacsTKSG21 [244], GeibingerMM21 [159], VlkHT21 [429], AbohashimaEG21 [2], WangB20 [432], Polo-MejiaALB20 [345], FallahiAC20 [134], ColT19 [99], BehrensLM19 [47], BadicaBIL19 [26], abs-1901-07914 [48], abs-1911-04766 [157], MurinR19 [309], BenediktSMVH18 [56]... (Total: 35)
Benchmarks	gitlab		HeinzNVH22 [196]	abs-2305-19888 [197], BoudreaultSLQ22 [80], AntuoriHHEN21 [13]
Benchmarks	industrial instance	LuoB22 [285]	BonfiettiZLM16 [76], BonfiettiLBM14 [72]	TasselGS23 [397], EfthymiouY23 [125], PovedaAA23 [348], abs-2306-05747 [398], OujanaAYB22 [331], Mercier-AubinGQ20 [298], NattafM20 [315], GroleazNS20 [178], MalapertN19 [289], BofilGSV15 [68], BofilEGPSV14 [67], BonfiettiM12 [75], LombardiBMB11 [273], BonfiettiLBM11 [70]
Benchmarks	industrial partner	BoudreaultSLQ22 [80]	LacknerMMWW23 [254], ArmstrongGOS21 [15]	WinterMMW22 [438], VlkHT21 [429], LacknerMMWW21 [253], GroleazNS20a [177], Mercier-AubinGQ20 [298], abs-1911-04766 [157], GeibingerMM19 [158], MossigeGSMC17 [305], LimtanyakulS12 [268], KovacsV06 [243], KovacsV04 [242]
Benchmarks	industry partner	BurtLPS15 [86]		WinterMMW22 [438], LuoB22 [285], ArmstrongGOS21 [15], abs-1902-09244 [187], HauderBRPA19 [186]
Benchmarks	instance generator	LacknerMMWW23 [254], LacknerMMWW21 [253]		abs-2402-00459 [316], ArmstrongGOS21 [15], abs-1911-04766 [157], GoldwaserS17 [170], YoungFS17 [446], BeniniLMR11 [58], RuggieroBBMA09 [361], LombardiM09 [274], HeipckeCCS00 [198]
Benchmarks	random instance	LacknerMMWW21 [253], WallaceY20 [431]	LacknerMMWW23 [254], EfthymiouY23 [125], WangB23 [433], LetortCB15 [261], KelbelH11 [227]	Mehdizadeh-Somarin23 [295], OuelletQ22 [330], abs-2211-14492 [389], MullerMKP22 [308], VlkHT21 [429], KlankeBYE21 [232], HanenKP21 [185], LunardiBLRV20 [283], BenediktMH20 [55], BenediktSMVH18 [56], FahimiOQ18 [132], Hooker17 [208], MossigeGSMC17 [305], CappartS17 [89], Madi-WambaB16 [286], KameugneFSN14 [224], DerrienP14 [116], DerrienPZ14 [117], LetortCB13 [260], LimtanyakulS12 [268], BillautHL12 [62], LetortBC12 [259], BartakS11 [38], Hooker06 [207], Hooker05 [205], ArtiouchineB05 [20], Hooker04 [204], BeldiceanuC02 [49]
Benchmarks	real-life	GurPAE23 [181], SubulanC22 [388], WinterMMW22 [438], HubnerGSV21 [211], QinDCS20 [354], GurEA19 [465], WangMD15 [434], BartakSR10 [39], BartakCS10 [37], Bartak02a [34], MartinPY01 [293]	LacknerMMWW23 [254], OujanaAYB22 [331], Astrand0F21 [22], LacknerMMWW21 [253], KlankeBYE21 [232], FallahiAC20 [134], abs-1911-04766 [157], PourDERB18 [347], BartakV15 [40], GaySS14 [154], LimtanyakulS12 [268], RuggieroBBMA09 [361], Tsang03 [410], NuijtenP98 [326], SimonisC95 [385], DincbasSH90 [120]	PrataAN23 [351], EfthymiouY23 [125], PovedaAA23 [348], IsikYA23 [213], GeitzGSSW22 [160], CampeauG22 [88], LuoB22 [285], ColT22 [100], Teppan22 [400], BoudreaultSLQ22 [80], YunusogluY22 [447], YuraszeckMPV22 [449], GeibingerMM21 [159], Bedhief21 [45], WallaceY20 [431], GodetLHS20 [167], SacramentoSP20 [362], AstrandJZ20 [24], GeibingerMM19 [158], YounespourAKE19 [445], MurinR19 [309], GokgurHO18 [169], Laborie18a [251], BorghesiBLMB18 [78], RiahiNS018 [358], NishikawaSTT18a [318], GelainPRVW17 [161], CappartS17 [89], CauwelaertDMS16 [92]... (Total: 62)

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	real-world	abs-2305-19888 [197], HeinzNVH22 [196], YunusogluY22 [447], ColT22 [100], KoehlerBFFHPSSS21 [234], GeibingerMM21 [159], MokhtarzadehTNF20 [300], HauderBRPA19 [186], abs-1911-04766 [157], GeibingerMM19 [158], abs-1902-09244 [187], FrohnerTR19 [145], MelgarejoLS15 [7], EvenSH15 [130], EvenSH15a [131], RendlPHPR12 [357], MouraSCL08a [306]	PrataAN23 [351], IsikYA23 [213], abs-2306-05747 [398], TasselGS23 [397], AalianPG23 [1], WangB23 [433], YuraszeckMCCR23 [450], SvancaraB22 [392], OujanaAYB22 [331], LuoB22 [285], MullerMKP22 [308], ArmstrongGOS21 [15], WessenCS20 [436], TangB20 [394], WallaceY20 [431], AstrandJZ20 [24], ParkUJR19 [336], YounespourAKE19 [445], FrimodigS19 [144], RiahiNS018 [358], HoYCLLC18 [203], LaborieRSV18 [252], PourDERB18 [347], ShinBBHO18 [378], HechingH16 [190], BonfiettiZLM16 [76], MurphyMB15 [310], KelarevaTK13 [226], OzturkTHO13 [332]... (Total: 33)	abs-2402-00459 [316], KimCMLLP23 [231], abs-2312-13682 [339], PovedaAA23 [348], JuvinHL23 [218], Bit-Monnot23 [63], TardivoDFMP23 [396], CzerniachowskaWZ23 [102], PerezGSL23 [338], ShaikhK23 [376], BourreauGGLT22 [81], CampeauG22 [88], JungblutK22 [216], AbreuN22 [108], ArmstrongGOS22 [16], SubulanC22 [388], FetgoD22 [138], PohlAK22 [344], BoudreaultSLQ22 [80], GeitzGSSW22 [160], GeibingerKKMMW21 [156], AbohashimaEG21 [2], KovacsTKSG21 [244], AstrandOF21 [22], AbreuAPNM21 [107], HillTV21 [202], BadicaBI20 [25], SacramentoSP20 [362], NishikawaSTT19 [319]... (Total: 90)
Benchmarks	supplementary material		MontemanniD23 [304]	JuvinHHL23 [217], abs-2306-05747 [398], TasselGS23 [397], WinterMMW22 [438], ColT22 [100], BoudreaultSLQ22 [80], YunusogluY22 [447], KovacsTKSG21 [244], ArmstrongGOS21 [15], AntuoriHHEN21 [13], LacknerMMWW21 [253], MengZRZL20 [297]
Benchmarks	zenodo	LacknerMMWW23 [254], SacramentoSP20 [362]		KimCMLLP23 [231], WinterMMW22 [438], ArmstrongGOS21 [15]
Algorithms	bi-partite matching			Simonis07 [384], Kumar03 [248]
Algorithms	edge-finder	KameugneFND23 [222], FetgoD22 [138], GingrasQ16 [164], KameugneFSN14 [224], BaptisteP00 [31]	OuelletQ13 [328], KelbelH11 [227], PapaB98 [335]	BaptisteB18 [28], BonfiettiZLM16 [76], GuSS13 [180], SchuttFSW11 [372], SchuttFSW09 [371], ValleMGTO3 [411], SakkoutW00 [365], BaptisteP97 [30], Zhou97 [459]
Algorithms	edge-finding	KameugneFND23 [222], JuvinHHL23 [217], TardivoDFMP23 [396], OuelletQ22 [330], FetgoD22 [138], YangSS19 [444], GokgurHO18 [169], BaptisteB18 [28], FahimiOQ18 [132], KreterSS17 [246], Kameugne15 [220], GayHS15a [153], KameugneFSN14 [224], OuelletQ13 [328], SchuttFS13a [369], SchuttFSW11 [372], KameugneFSN11 [223], ClercqPBJ11 [97], Vilim11 [424], Vilim09 [422], ArtiouchineB05 [20], VilimBC05 [426], Hooker05 [205], VilimBC04 [425], BaptisteP00 [31], FocacciLN00 [139], PapaB98 [335], BaptisteP97 [30], BeckDF97 [43]	BoudreaultSLQ22 [80], LaborieRSV18 [252], Tesch18 [402], GingrasQ16 [164], CauwelaertDMS16 [92], LetortCB15 [261], DejemeppeCS15 [111], LetortCB13 [260], LombardiM12 [278], LetortBC12 [259], BartakSR10 [39], LiessM08 [263], HoeveGSL07 [415], MonetteDD07 [301], Vilim04 [420], Bartak02 [35], SchildW00 [367], Zhou97 [459]	CampeauG22 [88], WallaceY20 [431], OuelletQ18 [329], NattafAL17 [314], Tesch16 [401], SialaAH15 [380], GayHLS15 [151], DerrienP14 [116], GuSS13 [180], OzturkTHO13 [332], HeinzSB13 [195], LimtanyakulS12 [268], BeldiceanuCDP11 [50], KelbelH11 [227], GrimesH11 [174], KovacsB11 [239], SchuttW10 [374], GrimesH10 [173], Vilim09a [423], abs-0907-0939 [341], GrimesHM09 [175], BeldiceanuCP08 [51], MalikMB08 [291], KeriK07 [228], ArtiguesBF04 [18], Sadykov04 [363], KovacsV04 [242], Wolf03 [439], Vilim03 [419]... (Total: 38)
Algorithms	energetic reasoning	TardivoDFMP23 [396], FetgoD22 [138], OuelletQ22 [330], HanenKP21 [185], OuelletQ18 [329], Tesch18 [402], NattafAL17 [314], Tesch16 [401], GayHS15a [153], NattafAL15 [313], DerrienP14 [116], SchuttFS13a [369], LimtanyakulS12 [268], HeinzS11 [194], Vilim11 [424]	KameugneFND23 [222], KameugneFGOQ18 [221], SchuttFS13 [370]	IsikYA23 [213], BoudreaultSLQ22 [80], ArmstrongGOS21 [15], YangSS19 [444], GokgurHO18 [169], Laborie18a [251], BofillCSV17 [66], GingrasQ16 [164], LetortCB15 [261], KameugneFSN14 [224], LetortCB13 [260], OuelletQ13 [328], LombardiM12 [278], LahimerLH11 [255], ClercqPBJ11 [97], BeldiceanuCDP11 [50], abs-0907-0939 [341], Vilim09 [422], Vilim09a [423], Limtanyakul07 [267], WolfS05 [440], BaptisteP00 [31], PapaB98 [335]
Algorithms	max-flow		LopesCSM10 [280], MouraSCL08 [307], Muscettola02 [311]	FanXG21 [135], Kumar03 [248]

Table 10: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Algorithms	not-first	KameugneFND23 [222], KameugneFGOQ18 [221], FahimiOQ18 [132], GayHS15a [153], SchuttFSW11 [372], VilimBC05 [426], ArtiouchineB05 [20]	TardivoDFMP23 [396], FetgoD22 [138], GokgurHO18 [169], OuelletQ18 [329], Kameugne15 [220], DejemeppeCS15 [111], KameugneFSN14 [224], OuelletQ13 [328], SchuttW10 [374], BartakSR10 [39], MonetteDD07 [301], VilimBC04 [425], Wolf03 [439]	JuvinHHL23 [217], OuelletQ22 [330], BoudreaultSLQ22 [80], Tesch16 [401], CauwelaertDMS16 [92], LimtanyakulS12 [268], KameugneFSN11 [223], Vilim09 [422], SourdN00 [386]
Algorithms	not-last	TardivoDFMP23 [396], KameugneFND23 [222], FahimiOQ18 [132], KameugneFGOQ18 [221], OuelletQ18 [329], GayHS15a [153], SchuttW10 [374], ArtiouchineB05 [20], Vilim05 [421], VilimBC05 [426], Vilim04 [420], Wolf03 [439]	FetgoD22 [138], GokgurHO18 [169], Tesch18 [402], Kameugne15 [220], DejemeppeCS15 [111], KameugneFSN14 [224], SchuttFS13a [369], OuelletQ13 [328], SchuttFSW11 [372], Vilim11 [424], KameugneFSN11 [223], BartakSR10 [39], MonetteDD07 [301], VilimBC04 [425]	JuvinHHL23 [217], BoudreaultSLQ22 [80], GeitzGSSW22 [160], OuelletQ22 [330], GodetLHS20 [167], YangSS19 [444], CauwelaertDMS16 [92], Tesch16 [401], LimtanyakulS12 [268], GrimesHM09 [175], MonetteDH09 [302], Vilim09a [423], Vilim09 [422], BocewiczBB09 [65], WolfS05 [440], Vilim03 [419]
Algorithms	sweep	Tesch18 [402], Tesch16 [401], BonfiettiZLM16 [76], SimoninAHL15 [382], NattafAL15 [313], LetortCB15 [261], GayHS15 [152], DerrienPZ14 [117], LetortCB13 [260], SimoninAHL12 [381], LetortBC12 [259], ClercqPBJ11 [97], abs-0907-0939 [341], BeldiceanuP07 [52], Wolf03 [439], BeldiceanuC02 [49]	FahimiOQ18 [132], GayHS15a [153], AronssonBK09 [17], PoderB08 [342], WolfS05 [440]	KameugneFND23 [222], TardivoDFMP23 [396], GeitzGSSW22 [160], FetgoD22 [138], OuelletQ22 [330], FallahiAC20 [134], KameugneFGOQ18 [221], Madi-WambaLOBM17 [287], GingrasQ16 [164], BartakV15 [40], EvenSH15 [130], EvenSH15a [131], DerrienP14 [116], BonfiettiLBM14 [72], GaySS14 [154], OuelletQ13 [328], BeldiceanuCDP11 [50], Vilim11 [424], LombardiM10a [275], BartakSR10 [39], BeldiceanuCP08 [51], KovacsB08 [238], Simonis07 [384], VilimBC05 [426], Vilim04 [420]
Algorithms	time-tabling	TardivoDFMP23 [396], ShaikhK23 [376], OuelletQ22 [330], DemirovicS18 [114], FahimiOQ18 [132], GayHS15a [153], OuelletQ13 [328], HeinzS11 [194], ElkhyariGJ02a [127], Wallace96 [430]	WallaceY20 [431], abs-1902-01193 [9], Tesch18 [402], OuelletQ18 [329], GayHS15 [152], BofillGSV15 [68], Vilim11 [424], Bartak02 [35]	PrataAN23 [351], KameugneFND23 [222], LacknerMMWW23 [254], TouatBT22 [407], SvancaraB22 [392], FetgoD22 [138], GeibingerMM21 [159], MokhtarzadehTNF20 [300], GodetLHS20 [167], LiuLH19 [269], abs-1911-04766 [157], KucukY19 [249], GeibingerMM19 [158], KameugneFGOQ18 [221], AstrandJZ18 [23], BaptisteB18 [28], YoungFS17 [446], ZarandiKS16 [451], Tesch16 [401], LimBTBB15 [266], WangMD15 [434], VilimLS15 [427], GayHLS15 [151], BofillEGPSV14 [67], BonfiettiLBM14 [72], KameugneFSN14 [224], SchuttFS13 [370], HeinzSB13 [195], GuSS13 [180]... (Total: 42)

References

- [1] Younes Aalian, Gilles Pesant, and Michel Gamache. Optimization of short-term underground mine planning using constraint programming. In Roland H. C. Yap, editor, *29th International Conference on Principles and Practice of Constraint Programming, CP 2023, August 27-31, 2023, Toronto, Canada*, volume 280 of *LIPICs*, pages 6:1–6:16. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2023. URL: <https://doi.org/10.4230/LIPICs.CP.2023.6>, doi:10.4230/LIPICs.CP.2023.6.
- [2] Hanaa Abohashima, Amr B. Eltawil, and Mohamed S. Gheith. A mathematical programming model and a firefly-based heuristic for real-time traffic signal scheduling with physical constraints. *IEEE Access*, 9:128314–128327, 2021. doi:10.1109/ACCESS.2021.3112600.
- [3] Montserrat Abril, Miguel A. Salido, and Federico Barber. Distributed constraints for large-scale scheduling problems. In Peter van Beek, editor, *Principles and Practice of Constraint Programming - CP 2005, 11th International Conference, CP 2005, Sitges, Spain, October 1-5, 2005, Proceedings*, volume 3709 of *Lecture Notes in Computer Science*, page 837. Springer, 2005. doi:10.1007/11564751_75.
- [4] Rodrigo Acuna-Agost, Philippe Michelon, Dominique Feillet, and Serigne Gueye. Constraint programming and mixed integer linear programming for rescheduling trains under disrupted operations. In Willem Jan van Hoeve and John N. Hooker, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 6th International Conference, CPAIOR 2009, Pittsburgh, PA, USA, May 27-31, 2009, Proceedings*, volume 5547 of *Lecture Notes in Computer Science*, pages 312–313. Springer, 2009. doi:10.1007/978-3-642-01929-6_24.
- [5] Abderrahmane Aggoun and Nicolas Beldiceanu. Extending CHIP in order to solve complex scheduling and placement problems. In Jean-Paul Delahaye, Philippe Devienne, Philippe Mathieu, and Pascal Yim, editors, *JFPL'92, 1^{ères} Journées Francophones de Programmation Logique, 25-27 Mai 1992, Lille, France*, page 51, 1992.
- [6] Abderrahmane Aggoun and Nicolas Beldiceanu. Extending CHIP in order to solve complex scheduling and placement problems. *Mathematical and Computer Modelling*, 17(7):57–73, 1993. URL: <https://www.sciencedirect.com/science/article/pii/089571779390068A>, doi:[https://doi.org/10.1016/0895-7177\(93\)90068-A](https://doi.org/10.1016/0895-7177(93)90068-A).
- [7] Penélope Aguiar-Melgarejo, Philippe Laborie, and Christine Solnon. A time-dependent no-overlap constraint: Application to urban delivery problems. In Laurent Michel, editor, *Integration of AI and OR Techniques in Constraint Programming - 12th International Conference, CPAIOR 2015, Barcelona, Spain, May 18-22, 2015, Proceedings*, volume 9075 of *Lecture Notes in Computer Science*, pages 1–17. Springer, 2015. doi:10.1007/978-3-319-18008-3_1.
- [8] Bilal Omar Akram, Nor Kamariah Noordin, Fazirulhisyam Hashim, Mohd Fadlee A. Rasid, Mustafa Ismael Salman, and Abdulrahman M. Abdulghani. Joint scheduling and routing optimization for deterministic hybrid traffic in time-sensitive networks using constraint programming. *IEEE Access*, 11:142764–142779, 2023. doi:10.1109/ACCESS.2023.3343409.
- [9] O. M. Alade and A. O. Amusat. Solving nurse scheduling problem using constraint programming technique. *CoRR*, abs/1902.01193, 2019. URL: <http://arxiv.org/abs/1902.01193>, arXiv:1902.01193.
- [10] Arianna Alfieri, Michele Garraffa, Erica Pastore, and Fabio Salassa. Permutation flowshop problems minimizing core waiting time and core idle time. *Computers and Industrial Engineering*, 176:108983, 2023. URL: <https://www.sciencedirect.com/science/article/pii/S0360835223000074>, doi:<https://doi.org/10.1016/j.cie.2023.108983>.
- [11] Samira Alizdeh and Shahram Saeidi. Fuzzy project scheduling with critical path including risk and resource constraints using linear programming. *Int. J. Adv. Intell. Paradigms*, 16(1):4–17, 2020. doi:10.1504/IJAIP.2020.106687.

- [12] Ola Angelsmark and Peter Jonsson. Some observations on durations, scheduling and allen’s algebra. In Rina Dechter, editor, *Principles and Practice of Constraint Programming - CP 2000, 6th International Conference, Singapore, September 18-21, 2000, Proceedings*, volume 1894 of *Lecture Notes in Computer Science*, pages 484–488. Springer, 2000. doi:10.1007/3-540-45349-0_35.
- [13] Valentin Antuori, Emmanuel Hebrard, Marie-José Huguet, Siham Essodaigui, and Alain Nguyen. Combining monte carlo tree search and depth first search methods for a car manufacturing workshop scheduling problem. In Laurent D. Michel, editor, *27th International Conference on Principles and Practice of Constraint Programming, CP 2021, Montpellier, France (Virtual Conference), October 25-29, 2021*, volume 210 of *LIPICs*, pages 14:1–14:16. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2021. URL: <https://doi.org/10.4230/LIPICs.CP.2021.14>, doi:10.4230/LIPICs.CP.2021.14.
- [14] Taha Arbaoui and Farouk Yalaoui. Solving the unrelated parallel machine scheduling problem with additional resources using constraint programming. In Ngoc Thanh Nguyen, Duong Hung Hoang, Tzung-Pei Hong, Hoang Pham, and Bogdan Trawinski, editors, *Intelligent Information and Database Systems - 10th Asian Conference, ACIIDS 2018, Dong Hoi City, Vietnam, March 19-21, 2018, Proceedings, Part II*, volume 10752 of *Lecture Notes in Computer Science*, pages 716–725. Springer, 2018. doi:10.1007/978-3-319-75420-8_67.
- [15] Eddie Armstrong, Michele Garraffa, Barry O’Sullivan, and Helmut Simonis. The hybrid flexible flowshop with transportation times. In Laurent D. Michel, editor, *27th International Conference on Principles and Practice of Constraint Programming, CP 2021, Montpellier, France (Virtual Conference), October 25-29, 2021*, volume 210 of *LIPICs*, pages 16:1–16:18. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2021. URL: <https://doi.org/10.4230/LIPICs.CP.2021.16>, doi:10.4230/LIPICs.CP.2021.16.
- [16] Eddie Armstrong, Michele Garraffa, Barry O’Sullivan, and Helmut Simonis. A two-phase hybrid approach for the hybrid flexible flowshop with transportation times. In Pierre Schaus, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 19th International Conference, CPAIOR 2022, Los Angeles, CA, USA, June 20-23, 2022, Proceedings*, volume 13292 of *Lecture Notes in Computer Science*, pages 1–13. Springer, 2022. doi:10.1007/978-3-031-08011-1_1.
- [17] Martin Aronsson, Markus Bohlin, and Per Kreuger. MILP formulations of cumulative constraints for railway scheduling - A comparative study. In Jens Clausen and Gabriele Di Stefano, editors, *ATMOS 2009 - 9th Workshop on Algorithmic Approaches for Transportation Modeling, Optimization, and Systems, IT University of Copenhagen, Denmark, September 10, 2009*, volume 12 of *OASICs*. Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik, Germany, 2009. URL: <http://drops.dagstuhl.de/opus/volltexte/2009/2141>.
- [18] Christian Artigues, Sana Belmokhtar, and Dominique Feillet. A new exact solution algorithm for the job shop problem with sequence-dependent setup times. In Jean-Charles Régin and Michel Rueher, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, First International Conference, CPAIOR 2004, Nice, France, April 20-22, 2004, Proceedings*, volume 3011 of *Lecture Notes in Computer Science*, pages 37–49. Springer, 2004. doi:10.1007/978-3-540-24664-0_3.
- [19] Christian Artigues and François Roubellat. A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes. *Eur. J. Oper. Res.*, 127(2):297–316, 2000. doi:10.1016/S0377-2217(99)00496-8.
- [20] Konstantin Artiouchine and Philippe Baptiste. Inter-distance constraint: An extension of the all-different constraint for scheduling equal length jobs. In Peter van Beek, editor, *Principles and Practice of Constraint Programming - CP 2005, 11th International Conference, CP 2005, Sitges, Spain, October 1-5, 2005, Proceedings*, volume 3709 of *Lecture Notes in Computer Science*, pages 62–76. Springer, 2005. doi:10.1007/11564751_8.
- [21] Max Åstrand. *Short-term Underground Mine Scheduling: An Industrial Application of Constraint Programming*. PhD thesis, Royal Institute of Technology, Stockholm, Sweden, 2021. URL: <https://nbn-resolving.org/urn:nbn:se:kth:diva-294959>.

- [22] Max Åstrand, Mikael Johansson, and Hamid Reza Feyzmahdavian. Short-term scheduling of production fleets in underground mines using cp-based LNS. In Peter J. Stuckey, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 18th International Conference, CPAIOR 2021, Vienna, Austria, July 5-8, 2021, Proceedings*, volume 12735 of *Lecture Notes in Computer Science*, pages 365–382. Springer, 2021. doi:10.1007/978-3-030-78230-6_23.
- [23] Max Åstrand, Mikael Johansson, and Alessandro Zanarini. Fleet scheduling in underground mines using constraint programming. In Willem Jan van Hoeve, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 15th International Conference, CPAIOR 2018, Delft, The Netherlands, June 26-29, 2018, Proceedings*, volume 10848 of *Lecture Notes in Computer Science*, pages 605–613. Springer, 2018. doi:10.1007/978-3-319-93031-2_44.
- [24] Max Åstrand, Mikael Johansson, and Alessandro Zanarini. Underground mine scheduling of mobile machines using constraint programming and large neighborhood search. *Comput. Oper. Res.*, 123:105036, 2020. URL: <https://doi.org/10.1016/j.cor.2020.105036>, doi:10.1016/J.COR.2020.105036.
- [25] Amelia Badica, Costin Badica, and Mirjana Ivanovic. Block structured scheduling using constraint logic programming. *AI Commun.*, 33(1):41–57, 2020. doi:10.3233/AIC-200650.
- [26] Amelia Badica, Costin Badica, Mirjana Ivanovic, and Doina Logofatu. Exploring the space of block structured scheduling processes using constraint logic programming. In Igor V. Kottenko, Costin Badica, Vasily Desnitsky, Didier El Baz, and Mirjana Ivanovic, editors, *Intelligent Distributed Computing XIII, 13th International Symposium on Intelligent Distributed Computing, IDC 2019, St. Petersburg, Russia, 7-9 October, 2019*, volume 868 of *Studies in Computational Intelligence*, pages 149–159. Springer, 2019. doi:10.1007/978-3-030-32258-8_17.
- [27] Philippe Baptiste. Constraint-based schedulers, do they really work? In Ian P. Gent, editor, *Principles and Practice of Constraint Programming - CP 2009, 15th International Conference, CP 2009, Lisbon, Portugal, September 20-24, 2009, Proceedings*, volume 5732 of *Lecture Notes in Computer Science*, page 1. Springer, 2009. doi:10.1007/978-3-642-04244-7_1.
- [28] Philippe Baptiste and Nicolas Bonifas. Redundant cumulative constraints to compute preemptive bounds. *Discret. Appl. Math.*, 234:168–177, 2018. URL: <https://doi.org/10.1016/j.dam.2017.05.001>, doi:10.1016/J.DAM.2017.05.001.
- [29] Philippe Baptiste, Philippe Laborie, Claude Le Pape, and Wim Nuijten. Constraint-based scheduling and planning. In Francesca Rossi, Peter van Beek, and Toby Walsh, editors, *Handbook of Constraint Programming*, volume 2 of *Foundations of Artificial Intelligence*, pages 761–799. Elsevier, 2006. doi:10.1016/S1574-6526(06)80026-X.
- [30] Philippe Baptiste and Claude Le Pape. Constraint propagation and decomposition techniques for highly disjunctive and highly cumulative project scheduling problems. In Gert Smolka, editor, *Principles and Practice of Constraint Programming - CP97, Third International Conference, Linz, Austria, October 29 - November 1, 1997, Proceedings*, volume 1330 of *Lecture Notes in Computer Science*, pages 375–389. Springer, 1997. URL: <https://doi.org/10.1007/BFb0017454>, doi:10.1007/BFb0017454.
- [31] Philippe Baptiste and Claude Le Pape. Constraint propagation and decomposition techniques for highly disjunctive and highly cumulative project scheduling problems. *Constraints An Int. J.*, 5(1/2):119–139, 2000. doi:10.1023/A:1009822502231.
- [32] Pierre Baptiste, Bruno Legeard, and Christophe Varnier. Hoist scheduling problem: an approach based on constraint logic programming. In *Proceedings of the 1992 IEEE International Conference on Robotics and Automation, Nice, France, May 12-14, 1992*, pages 1139–1144. IEEE Computer Society, 1992. doi:10.1109/ROBOT.1992.220195.
- [33] Ada Barlatt, Amy Mainville Cohn, and Oleg Yu. Gusikhin. A hybrid approach for solving shift-selection and task-sequencing problems. In Laurent Perron and Michael A. Trick, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 5th International*

- Conference, CPAIOR 2008, Paris, France, May 20-23, 2008, Proceedings, volume 5015 of *Lecture Notes in Computer Science*, pages 288–292. Springer, 2008. doi:10.1007/978-3-540-68155-7_24.
- [34] Roman Barták. Visopt shopfloor: Going beyond traditional scheduling. In Barry O’Sullivan, editor, *Recent Advances in Constraints, Joint ERCIM/CologNet International Workshop on Constraint Solving and Constraint Logic Programming, Cork, Ireland, June 19-21, 2002. Selected Papers*, volume 2627 of *Lecture Notes in Computer Science*, pages 185–199. Springer, 2002. doi:10.1007/3-540-36607-5_14.
- [35] Roman Barták. Visopt shopfloor: On the edge of planning and scheduling. In Pascal Van Hentenryck, editor, *Principles and Practice of Constraint Programming - CP 2002, 8th International Conference, CP 2002, Ithaca, NY, USA, September 9-13, 2002, Proceedings*, volume 2470 of *Lecture Notes in Computer Science*, pages 587–602. Springer, 2002. doi:10.1007/3-540-46135-3_39.
- [36] Roman Barták. Planning and scheduling. In Teofilo F. Gonzalez, Jorge Diaz-Herrera, and Allen Tucker, editors, *Computing Handbook, Third Edition: Computer Science and Software Engineering*, pages 39: 1–14. CRC Press, 2014.
- [37] Roman Barták, Ondrej Cepek, and Pavel Surynek. Discovering implied constraints in precedence graphs with alternatives. *Ann. Oper. Res.*, 180(1):233–263, 2010. URL: <https://doi.org/10.1007/s10479-008-0492-1>, doi:10.1007/S10479-008-0492-1.
- [38] Roman Barták and Miguel A. Salido. Constraint satisfaction for planning and scheduling problems. *Constraints An Int. J.*, 16(3):223–227, 2011. URL: <https://doi.org/10.1007/s10601-011-9109-4>, doi:10.1007/S10601-011-9109-4.
- [39] Roman Barták, Miguel A. Salido, and Francesca Rossi. New trends in constraint satisfaction, planning, and scheduling: a survey. *Knowl. Eng. Rev.*, 25(3):249–279, 2010. doi:10.1017/S0269888910000202.
- [40] Roman Barták and Marek Vlk. Reactive recovery from machine breakdown in production scheduling with temporal distance and resource constraints. In Stéphane Loiseau, Joaquim Filipe, Béatrice Duval, and H. Jaap van den Herik, editors, *ICAART 2015 - Proceedings of the International Conference on Agents and Artificial Intelligence, Volume 2, Lisbon, Portugal, 10-12 January, 2015*, pages 119–130. SciTePress, 2015.
- [41] Andrea Bartolini, Andrea Borghesi, Thomas Bridi, Michele Lombardi, and Michela Milano. Proactive workload dispatching on the EURORA supercomputer. In Barry O’Sullivan, editor, *Principles and Practice of Constraint Programming - 20th International Conference, CP 2014, Lyon, France, September 8-12, 2014. Proceedings*, volume 8656 of *Lecture Notes in Computer Science*, pages 765–780. Springer, 2014. doi:10.1007/978-3-319-10428-7_55.
- [42] Mohammadreza Barzegaran, Bahram Zarrin, and Paul Pop. Quality-of-control-aware scheduling of communication in tsn-based fog computing platforms using constraint programming. In Anton Cervin and Yang Yang, editors, *2nd Workshop on Fog Computing and the IoT, Fog-IoT 2020, April 21, 2020, Sydney, Australia*, volume 80 of *OASICS*, pages 3:1–3:9. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2020. URL: <https://doi.org/10.4230/OASICS.Fog-IoT.2020.3>, doi:10.4230/OASICS.FOG-IOT.2020.3.
- [43] J. Christopher Beck, Andrew J. Davenport, and Mark S. Fox. Five pitfalls of empirical scheduling research. In Gert Smolka, editor, *Principles and Practice of Constraint Programming - CP97, Third International Conference, Linz, Austria, October 29 - November 1, 1997, Proceedings*, volume 1330 of *Lecture Notes in Computer Science*, pages 390–404. Springer, 1997. URL: <https://doi.org/10.1007/BFb0017455>, doi:10.1007/BFB0017455.
- [44] J. Christopher Beck, T. K. Feng, and Jean-Paul Watson. Combining constraint programming and local search for job-shop scheduling. *INFORMS J. Comput.*, 23(1):1–14, 2011. URL: <https://doi.org/10.1287/ijoc.1100.0388>, doi:10.1287/IJOC.1100.0388.
- [45] Asma Ouled Bedhief. Comparing mixed-integer programming and constraint programming models for the hybrid flow shop scheduling problem with dedicated machines. *Journal Européen des Systèmes Automatisés*, 2021. URL: <https://api.semanticscholar.org/CorpusID:240611192>.

- [46] Mirza Omer Beg and Peter van Beek. A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures. *ACM Trans. Embed. Comput. Syst.*, 13(1):14:1–14:23, 2013. URL: <http://doi.acm.org/10.1145/2512470>, doi:10.1145/2512470.
- [47] Jan Kristof Behrens, Ralph Lange, and Masoumeh Mansouri. A constraint programming approach to simultaneous task allocation and motion scheduling for industrial dual-arm manipulation tasks. In *International Conference on Robotics and Automation, ICRA 2019, Montreal, QC, Canada, May 20-24, 2019*, pages 8705–8711. IEEE, 2019. doi:10.1109/ICRA.2019.8794022.
- [48] Jan Kristof Behrens, Ralph Lange, and Masoumeh Mansouri. A constraint programming approach to simultaneous task allocation and motion scheduling for industrial dual-arm manipulation tasks. *CoRR*, abs/1901.07914, 2019. URL: <http://arxiv.org/abs/1901.07914>, arXiv:1901.07914.
- [49] Nicolas Beldiceanu and Mats Carlsson. A new multi-resource cumulatives constraint with negative heights. In Pascal Van Hentenryck, editor, *Principles and Practice of Constraint Programming - CP 2002, 8th International Conference, CP 2002, Ithaca, NY, USA, September 9-13, 2002, Proceedings*, volume 2470 of *Lecture Notes in Computer Science*, pages 63–79. Springer, 2002. doi:10.1007/3-540-46135-3_5.
- [50] Nicolas Beldiceanu, Mats Carlsson, Sophie Demasse, and Emmanuel Pöder. New filtering for the *cumulative* constraint in the context of non-overlapping rectangles. *Ann. Oper. Res.*, 184(1):27–50, 2011. URL: <https://doi.org/10.1007/s10479-010-0731-0>, doi:10.1007/S10479-010-0731-0.
- [51] Nicolas Beldiceanu, Mats Carlsson, and Emmanuel Pöder. New filtering for the cumulative constraint in the context of non-overlapping rectangles. In Laurent Perron and Michael A. Trick, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 5th International Conference, CPAIOR 2008, Paris, France, May 20-23, 2008, Proceedings*, volume 5015 of *Lecture Notes in Computer Science*, pages 21–35. Springer, 2008. doi:10.1007/978-3-540-68155-7_5.
- [52] Nicolas Beldiceanu and Emmanuel Pöder. A continuous multi-resources *cumulative* constraint with positive-negative resource consumption-production. In Pascal Van Hentenryck and Laurence A. Wolsey, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 4th International Conference, CPAIOR 2007, Brussels, Belgium, May 23-26, 2007, Proceedings*, volume 4510 of *Lecture Notes in Computer Science*, pages 214–228. Springer, 2007. doi:10.1007/978-3-540-72397-4_16.
- [53] Said Belhadji and Amar Isli. Temporal constraint satisfaction techniques in job shop scheduling problem solving. *Constraints An Int. J.*, 3(2/3):203–211, 1998. doi:10.1023/A:1009777711218.
- [54] Till Bender, David Wittwer, and Thorsten Schmidt. Applying constraint programming to the multi-mode scheduling problem in harvest logistics. In Martijn Mes, Eduardo Lalla-Ruiz, and Stefan Voß, editors, *Computational Logistics - 12th International Conference, ICCL 2021, Enschede, The Netherlands, September 27-29, 2021, Proceedings*, volume 13004 of *Lecture Notes in Computer Science*, pages 562–577. Springer, 2021. doi:10.1007/978-3-030-87672-2_37.
- [55] Ondrej Benedikt, István Módos, and Zdenek Hanzálek. Power of pre-processing: production scheduling with variable energy pricing and power-saving states. *Constraints An Int. J.*, 25(3-4):300–318, 2020. URL: <https://doi.org/10.1007/s10601-020-09317-y>, doi:10.1007/S10601-020-09317-Y.
- [56] Ondrej Benedikt, Premysl Sucha, István Módos, Marek Vlk, and Zdenek Hanzálek. Energy-aware production scheduling with power-saving modes. In Willem Jan van Hoeve, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 15th International Conference, CPAIOR 2018, Delft, The Netherlands, June 26-29, 2018, Proceedings*, volume 10848 of *Lecture Notes in Computer Science*, pages 72–81. Springer, 2018. doi:10.1007/978-3-319-93031-2_6.
- [57] Luca Benini, Davide Bertozzi, Alessio Guerri, and Michela Milano. Allocation, scheduling and voltage scaling on energy aware mpsoes. In J. Christopher Beck and Barbara M. Smith, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, Third International*

- Conference, CPAIOR 2006, Cork, Ireland, May 31 - June 2, 2006, Proceedings*, volume 3990 of *Lecture Notes in Computer Science*, pages 44–58. Springer, 2006. doi:10.1007/11757375\6.
- [58] Luca Benini, Michele Lombardi, Michela Milano, and Martino Ruggiero. Optimal resource allocation and scheduling for the CELL BE platform. *Ann. Oper. Res.*, 184(1):51–77, 2011. URL: <https://doi.org/10.1007/s10479-010-0718-x>, doi:10.1007/S10479-010-0718-X.
 - [59] E. Bensana, Michel Lemaître, and Gérard Verfaillie. Earth observation satellite management. *Constraints An Int. J.*, 4(3):293–299, 1999. doi:10.1023/A:1026488509554.
 - [60] Timo Berthold, Stefan Heinz, Marco E. Lübbecke, Rolf H. Möhring, and Jens Schulz. A constraint integer programming approach for resource-constrained project scheduling. In Andrea Lodi, Michela Milano, and Paolo Toth, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 7th International Conference, CPAIOR 2010, Bologna, Italy, June 14-18, 2010. Proceedings*, volume 6140 of *Lecture Notes in Computer Science*, pages 313–317. Springer, 2010. doi:10.1007/978-3-642-13520-0\34.
 - [61] Christian Bessiere, Emmanuel Hebrard, Marc-André Ménard, Claude-Guy Quimper, and Toby Walsh. Buffered resource constraint: Algorithms and complexity. In Helmut Simonis, editor, *Integration of AI and OR Techniques in Constraint Programming - 11th International Conference, CPAIOR 2014, Cork, Ireland, May 19-23, 2014. Proceedings*, volume 8451 of *Lecture Notes in Computer Science*, pages 318–333. Springer, 2014. doi:10.1007/978-3-319-07046-9\23.
 - [62] Jean-Charles Billaut, Emmanuel Hebrard, and Pierre Lopez. Complete characterization of near-optimal sequences for the two-machine flow shop scheduling problem. In Nicolas Beldiceanu, Narendra Jussien, and Eric Pinson, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 9th International Conference, CPAIOR 2012, Nantes, France, May 28 - June 1, 2012. Proceedings*, volume 7298 of *Lecture Notes in Computer Science*, pages 66–80. Springer, 2012. doi:10.1007/978-3-642-29828-8\5.
 - [63] Arthur Bit-Monnot. Enhancing hybrid CP-SAT search for disjunctive scheduling. In Kobi Gal, Ann Nowé, Grzegorz J. Nalepa, Roy Fairstein, and Roxana Radulescu, editors, *ECAI 2023 - 26th European Conference on Artificial Intelligence, September 30 - October 4, 2023, Kraków, Poland - Including 12th Conference on Prestigious Applications of Intelligent Systems (PAIS 2023)*, volume 372 of *Frontiers in Artificial Intelligence and Applications*, pages 255–262. IOS Press, 2023. doi:10.3233/FAIA230278.
 - [64] Jacek Blazewicz, Klaus H. Ecker, Erwin Pesch, Günter Schmidt, Malgorzata Sterna, and Jan Weglarz. Constraint Programming and Disjunctive Scheduling. In *Handbook on Scheduling*, International Handbooks on Information Systems, chapter 16, pages 609–670. Springer, November 2019. URL: https://ideas.repec.org/h/spr/ihichp/978-3-319-99849-7_16.html, doi:10.1007/978-3-319-99849-7.
 - [65] Grzegorz Bocewicz, Irena Bach, and Zbigniew Antoni Banaszak. Logic-algebraic method based and constraints programming driven approach to agvs scheduling. *Int. J. Intell. Inf. Database Syst.*, 3(1):56–74, 2009. doi:10.1504/IJIIDS.2009.023038.
 - [66] Miquel Bofill, Jordi Coll, Josep Suy, and Mateu Villaret. An efficient SMT approach to solve mrcpsp/max instances with tight constraints on resources. In J. Christopher Beck, editor, *Principles and Practice of Constraint Programming - 23rd International Conference, CP 2017, Melbourne, VIC, Australia, August 28 - September 1, 2017, Proceedings*, volume 10416 of *Lecture Notes in Computer Science*, pages 71–79. Springer, 2017. doi:10.1007/978-3-319-66158-2\5.
 - [67] Miquel Bofill, Joan Espasa, Marc Garcia, Miquel Palahí, Josep Suy, and Mateu Villaret. Scheduling B2B meetings. In Barry O’Sullivan, editor, *Principles and Practice of Constraint Programming - 20th International Conference, CP 2014, Lyon, France, September 8-12, 2014. Proceedings*, volume 8656 of *Lecture Notes in Computer Science*, pages 781–796. Springer, 2014. doi:10.1007/978-3-319-10428-7\56.

- [68] Miquel Bofill, Marc Garcia, Josep Suy, and Mateu Villaret. Maxsat-based scheduling of B2B meetings. In Laurent Michel, editor, *Integration of AI and OR Techniques in Constraint Programming - 12th International Conference, CPAIOR 2015, Barcelona, Spain, May 18-22, 2015, Proceedings*, volume 9075 of *Lecture Notes in Computer Science*, pages 65–73. Springer, 2015. doi:10.1007/978-3-319-18008-3_5.
- [69] Alessio Bonfietti. A constraint programming scheduling solver for the mpopt programming environment. *Intelligenza Artificiale*, 10(1):65–77, 2016. doi:10.3233/IA-160095.
- [70] Alessio Bonfietti, Michele Lombardi, Luca Benini, and Michela Milano. A constraint based approach to cyclic RCPSP. In Jimmy Ho-Man Lee, editor, *Principles and Practice of Constraint Programming - CP 2011 - 17th International Conference, CP 2011, Perugia, Italy, September 12-16, 2011. Proceedings*, volume 6876 of *Lecture Notes in Computer Science*, pages 130–144. Springer, 2011. doi:10.1007/978-3-642-23786-7_12.
- [71] Alessio Bonfietti, Michele Lombardi, Luca Benini, and Michela Milano. Global cyclic cumulative constraint. In Nicolas Beldiceanu, Narendra Jussien, and Eric Pinson, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 9th International Conference, CPAIOR 2012, Nantes, France, May 28 - June 1, 2012. Proceedings*, volume 7298 of *Lecture Notes in Computer Science*, pages 81–96. Springer, 2012. doi:10.1007/978-3-642-29828-8_6.
- [72] Alessio Bonfietti, Michele Lombardi, Luca Benini, and Michela Milano. CROSS cyclic resource-constrained scheduling solver. *Artif. Intell.*, 206:25–52, 2014. URL: <https://doi.org/10.1016/j.artint.2013.09.006>, doi:10.1016/J.ARTINT.2013.09.006.
- [73] Alessio Bonfietti, Michele Lombardi, and Michela Milano. De-cycling cyclic scheduling problems. In Daniel Borrajo, Subbarao Kambhampati, Angelo Oddi, and Simone Fratini, editors, *Proceedings of the Twenty-Third International Conference on Automated Planning and Scheduling, ICAPS 2013, Rome, Italy, June 10-14, 2013*. AAAI, 2013. URL: <http://www.aaai.org/ocs/index.php/ICAPS/ICAPS13/paper/view/6050>.
- [74] Alessio Bonfietti, Michele Lombardi, and Michela Milano. Disregarding duration uncertainty in partial order schedules? yes, we can! In Helmut Simonis, editor, *Integration of AI and OR Techniques in Constraint Programming - 11th International Conference, CPAIOR 2014, Cork, Ireland, May 19-23, 2014. Proceedings*, volume 8451 of *Lecture Notes in Computer Science*, pages 210–225. Springer, 2014. doi:10.1007/978-3-319-07046-9_15.
- [75] Alessio Bonfietti and Michela Milano. A constraint-based approach to cyclic resource-constrained scheduling problem. In Paolo Liberatore, Michele Lombardi, and Floriano Scioscia, editors, *Proceedings of the Doctoral Consortium of the 12th Symposium of the Italian Association for Artificial Intelligence, Rome, Italy, June 15, 2012*, volume 926 of *CEUR Workshop Proceedings*, pages 10–12. CEUR-WS.org, 2012. URL: <https://ceur-ws.org/Vol-926/paper2.pdf>.
- [76] Alessio Bonfietti, Alessandro Zanarini, Michele Lombardi, and Michela Milano. The multirate resource constraint. In Michel Rueher, editor, *Principles and Practice of Constraint Programming - 22nd International Conference, CP 2016, Toulouse, France, September 5-9, 2016, Proceedings*, volume 9892 of *Lecture Notes in Computer Science*, pages 113–129. Springer, 2016. doi:10.1007/978-3-319-44953-1_8.
- [77] Kyle E. C. Booth, Goldie Nejat, and J. Christopher Beck. A constraint programming approach to multi-robot task allocation and scheduling in retirement homes. In Michel Rueher, editor, *Principles and Practice of Constraint Programming - 22nd International Conference, CP 2016, Toulouse, France, September 5-9, 2016, Proceedings*, volume 9892 of *Lecture Notes in Computer Science*, pages 539–555. Springer, 2016. doi:10.1007/978-3-319-44953-1_34.
- [78] Andrea Borghesi, Andrea Bartolini, Michele Lombardi, Michela Milano, and Luca Benini. Scheduling-based power capping in high performance computing systems. *Sustain. Comput. Informatics Syst.*, 19:1–13, 2018. URL: <https://doi.org/10.1016/j.suscom.2018.05.007>, doi:10.1016/J.SUSCOM.2018.05.007.
- [79] Eric Boucher, Astrid Bachelu, Christophe Varnier, Pierre Baptiste, and Bruno Legeard. Multi-criteria comparison between algorithmic, constraint logic and specific constraint programming on a real scheduling problem. In Mark Wallace, editor, *Proceedings of the Third International Conference on the Practical Application of Constraint Technology, PACT 1997, Westminster Central Hall, London, UK, April 23-25, 1997*, pages 47–64. Practical Application Company Ltd., 1997.

- [80] Raphaël Boudreault, Vanessa Simard, Daniel Lafond, and Claude-Guy Quimper. A constraint programming approach to ship refit project scheduling. In Christine Solnon, editor, *28th International Conference on Principles and Practice of Constraint Programming, CP 2022, July 31 to August 8, 2022, Haifa, Israel*, volume 235 of *LIPICs*, pages 10:1–10:16. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2022. URL: <https://doi.org/10.4230/LIPICs.CP.2022.10>, doi:10.4230/LIPICs.CP.2022.10.
- [81] Eric Bourreau, Thierry Garaix, Matthieu Gondran, Philippe Lacomme, and Nikolay Tchernev. A constraint-programming based decomposition method for the generalised workforce scheduling and routing problem (GWSRP). *Int. J. Prod. Res.*, 60(4):1265–1283, 2022. doi:10.1080/00207543.2020.1856436.
- [82] Silvia Breitter and Hendrik C. R. Lock. Using constraint logic programming for industrial scheduling problems. In Christoph Beierle and Lutz Plümer, editors, *Logic Programming: Formal Methods and Practical Applications, Studies in Computer Science and Artificial Intelligence*, pages 273–299. Elsevier Science B.V./North-Holland, 1995.
- [83] Thomas Bridi, Andrea Bartolini, Michele Lombardi, Michela Milano, and Luca Benini. A constraint programming scheduler for heterogeneous high-performance computing machines. *IEEE Trans. Parallel Distributed Syst.*, 27(10):2781–2794, 2016. doi:10.1109/TPDS.2016.2516997.
- [84] Thomas Bridi, Michele Lombardi, Andrea Bartolini, Luca Benini, and Michela Milano. DARDIS: distributed and randomized dispatching and scheduling. In Gal A. Kaminka, Maria Fox, Paolo Bouquet, Eyke Hüllermeier, Virginia Dignum, Frank Dignum, and Frank van Harmelen, editors, *ECAI 2016 - 22nd European Conference on Artificial Intelligence, 29 August-2 September 2016, The Hague, The Netherlands - Including Prestigious Applications of Artificial Intelligence (PAIS 2016)*, volume 285 of *Frontiers in Artificial Intelligence and Applications*, pages 1598–1599. IOS Press, 2016. doi:10.3233/978-1-61499-672-9-1598.
- [85] Vittorio Brusoni, Luca Console, Evelina Lamma, Paola Mello, Michela Milano, and Paolo Terenziani. Resource-based vs. task-based approaches for scheduling problems. In Zbigniew W. Ras and Maciej Michalewicz, editors, *Foundations of Intelligent Systems, 9th International Symposium, ISMIS '96, Zakopane, Poland, June 9-13, 1996, Proceedings*, volume 1079 of *Lecture Notes in Computer Science*, pages 325–334. Springer, 1996. doi:10.1007/3-540-61286-6_157.
- [86] Christina N. Burt, Nir Lipovetzky, Adrian R. Pearce, and Peter J. Stuckey. Scheduling with fixed maintenance, shared resources and nonlinear feedrate constraints: A mine planning case study. In Laurent Michel, editor, *Integration of AI and OR Techniques in Constraint Programming - 12th International Conference, CPAIOR 2015, Barcelona, Spain, May 18-22, 2015, Proceedings*, volume 9075 of *Lecture Notes in Computer Science*, pages 91–107. Springer, 2015. doi:10.1007/978-3-319-18008-3_7.
- [87] Jordi Coll Caballero. Scheduling through logic-based tools. *Constraints An Int. J.*, 28(3):510, 2023. URL: <https://doi.org/10.1007/s10601-023-09357-0>, doi:10.1007/S10601-023-09357-0.
- [88] Louis-Pierre Campeau and Michel Gamache. Short- and medium-term optimization of underground mine planning using constraint programming. *Constraints An Int. J.*, 27(4):414–431, 2022. URL: <https://doi.org/10.1007/s10601-022-09337-w>, doi:10.1007/S10601-022-09337-W.
- [89] Quentin Cappart and Pierre Schaus. Rescheduling railway traffic on real time situations using time-interval variables. In Domenico Salvagnin and Michele Lombardi, editors, *Integration of AI and OR Techniques in Constraint Programming - 14th International Conference, CPAIOR 2017, Padua, Italy, June 5-8, 2017, Proceedings*, volume 10335 of *Lecture Notes in Computer Science*, pages 312–327. Springer, 2017. doi:10.1007/978-3-319-59776-8_26.
- [90] Tom Carchrae, J. Christopher Beck, and Eugene C. Freuder. Methods to learn abstract scheduling models. In Peter van Beek, editor, *Principles and Practice of Constraint Programming - CP 2005, 11th International Conference, CP 2005, Sitges, Spain, October 1-5, 2005, Proceedings*, volume 3709 of *Lecture Notes in Computer Science*, page 842. Springer, 2005. doi:10.1007/11564751_80.

- [91] Yves Caseau. Using constraint propagation for complex scheduling problems: Managing size, complex resources and travel. In Gert Smolka, editor, *Principles and Practice of Constraint Programming - CP97, Third International Conference, Linz, Austria, October 29 - November 1, 1997, Proceedings*, volume 1330 of *Lecture Notes in Computer Science*, pages 163–166. Springer, 1997. URL: <https://doi.org/10.1007/BFb0017437>, doi:10.1007/BFb0017437.
- [92] Sascha Van Cauwelaert, Cyrille Dejemeppe, Jean-Noël Monette, and Pierre Schaus. Efficient filtering for the unary resource with family-based transition times. In Michel Rueher, editor, *Principles and Practice of Constraint Programming - 22nd International Conference, CP 2016, Toulouse, France, September 5-9, 2016, Proceedings*, volume 9892 of *Lecture Notes in Computer Science*, pages 520–535. Springer, 2016. doi:10.1007/978-3-319-44953-1_33.
- [93] Amedeo Cesta, Angelo Oddi, and Stephen F. Smith. Scheduling multi-capacitated resources under complex temporal constraints. In Michael J. Maher and Jean-Francois Puget, editors, *Principles and Practice of Constraint Programming - CP98, 4th International Conference, Pisa, Italy, October 26-30, 1998, Proceedings*, volume 1520 of *Lecture Notes in Computer Science*, page 465. Springer, 1998. doi:10.1007/3-540-49481-2_36.
- [94] Nicolas Chapados, Marc Joliveau, and Louis-Martin Rousseau. Retail store workforce scheduling by expected operating income maximization. In Tobias Achterberg and J. Christopher Beck, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 8th International Conference, CPAIOR 2011, Berlin, Germany, May 23-27, 2011. Proceedings*, volume 6697 of *Lecture Notes in Computer Science*, pages 53–58. Springer, 2011. doi:10.1007/978-3-642-21311-3_7.
- [95] Yingyi Chu and Quanshi Xia. A hybrid algorithm for a class of resource constrained scheduling problems. In Roman Barták and Michela Milano, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, Second International Conference, CPAIOR 2005, Prague, Czech Republic, May 30 - June 1, 2005, Proceedings*, volume 3524 of *Lecture Notes in Computer Science*, pages 110–124. Springer, 2005. doi:10.1007/11493853_10.
- [96] André A. Ciré, Elvin Coban, and John N. Hooker. Mixed integer programming vs. logic-based benders decomposition for planning and scheduling. In Carla P. Gomes and Meinolf Sellmann, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 10th International Conference, CPAIOR 2013, Yorktown Heights, NY, USA, May 18-22, 2013. Proceedings*, volume 7874 of *Lecture Notes in Computer Science*, pages 325–331. Springer, 2013. doi:10.1007/978-3-642-38171-3_22.
- [97] Alexis De Clercq, Thierry Petit, Nicolas Beldiceanu, and Narendra Jussien. Filtering algorithms for discrete cumulative problems with overloads of resource. In Jimmy Ho-Man Lee, editor, *Principles and Practice of Constraint Programming - CP 2011 - 17th International Conference, CP 2011, Perugia, Italy, September 12-16, 2011. Proceedings*, volume 6876 of *Lecture Notes in Computer Science*, pages 240–255. Springer, 2011. doi:10.1007/978-3-642-23786-7_20.
- [98] Elvin Coban and John N. Hooker. Single-facility scheduling over long time horizons by logic-based benders decomposition. In Andrea Lodi, Michela Milano, and Paolo Toth, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 7th International Conference, CPAIOR 2010, Bologna, Italy, June 14-18, 2010. Proceedings*, volume 6140 of *Lecture Notes in Computer Science*, pages 87–91. Springer, 2010. doi:10.1007/978-3-642-13520-0_11.
- [99] Giacomo Da Col and Erich Christian Teppan. Industrial size job shop scheduling tackled by present day CP solvers. In Thomas Schiex and Simon de Givry, editors, *Principles and Practice of Constraint Programming - 25th International Conference, CP 2019, Stamford, CT, USA, September 30 - October 4, 2019, Proceedings*, volume 11802 of *Lecture Notes in Computer Science*, pages 144–160. Springer, 2019. doi:10.1007/978-3-030-30048-7_9.
- [100] Giacomo Da Col and Erich Christian Teppan. Industrial-size job shop scheduling with constraint programming. *Operations Research Perspectives*, 2022. URL: <https://api.semanticscholar.org/CorpusID:251551160>.
- [101] Yves Colombani. Constraint programming: an efficient and practical approach to solving the job-shop problem. In Eugene C. Freuder, editor, *Proceedings of the Second International Conference on Principles and Practice of Constraint Programming, Cambridge, Massachusetts, USA, August 19-22, 1996*, volume 1118 of *Lecture Notes in Computer Science*, pages 149–163. Springer, 1996. doi:10.1007/3-540-61551-2_72.

- [102] Kateryna Czerniachowska, Radosław Wichniarek, and Krzysztof Żywicki. Constraint programming for flexible flow shop scheduling problem with repeated jobs and repeated operations. *Advances in Science and Technology Research Journal*, 17(3):280–293, 2023. doi:10.12913/22998624/166588.
- [103] Emilie Danna and Laurent Perron. Structured vs. unstructured large neighborhood search: A case study on job-shop scheduling problems with earliness and tardiness costs. In Francesca Rossi, editor, *Principles and Practice of Constraint Programming - CP 2003, 9th International Conference, CP 2003, Kinsale, Ireland, September 29 - October 3, 2003, Proceedings*, volume 2833 of *Lecture Notes in Computer Science*, pages 817–821. Springer, 2003. doi:10.1007/978-3-540-45193-8_59.
- [104] Ken Darby-Dowman, James Little, Gautam Mitra, and Marco Zaffalon. Constraint logic programming and integer programming approaches and their collaboration in solving an assignment scheduling problem. *Constraints An Int. J.*, 1(3):245–264, 1997. doi:10.1007/BF00137871.
- [105] Andrew J. Davenport. Integrated maintenance scheduling for semiconductor manufacturing. In Andrea Lodi, Michela Milano, and Paolo Toth, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 7th International Conference, CPAIOR 2010, Bologna, Italy, June 14-18, 2010. Proceedings*, volume 6140 of *Lecture Notes in Computer Science*, pages 92–96. Springer, 2010. doi:10.1007/978-3-642-13520-0_12.
- [106] Andrew J. Davenport, Jayant Kalagnanam, Chandra Reddy, Stuart Siegel, and John Hou. An application of constraint programming to generating detailed operations schedules for steel manufacturing. In Christian Bessiere, editor, *Principles and Practice of Constraint Programming - CP 2007, 13th International Conference, CP 2007, Providence, RI, USA, September 23-27, 2007, Proceedings*, volume 4741 of *Lecture Notes in Computer Science*, pages 64–76. Springer, 2007. doi:10.1007/978-3-540-74970-7_7.
- [107] Levi Ribeiro de Abreu, Kennedy A. G. Araújo, Bruno de Athayde Prata, Marcelo Seido Nagano, and J. V. Moccellini. A new variable neighbourhood search with a constraint programming search strategy for the open shop scheduling problem with operation repetitions. *Engineering Optimization*, 54:1563 – 1582, 2021. URL: <https://api.semanticscholar.org/CorpusID:238794651>.
- [108] Levi Ribeiro de Abreu and Marcelo Seido Nagano. A new hybridization of adaptive large neighborhood search with constraint programming for open shop scheduling with sequence-dependent setup times. *Comput. Ind. Eng.*, 168:108128, 2022. URL: <https://doi.org/10.1016/j.cie.2022.108128>, doi:10.1016/J.CIE.2022.108128.
- [109] Levi Ribeiro de Abreu, Marcelo Seido Nagano, and Bruno A. Prata. A new two-stage constraint programming approach for open shop scheduling problem with machine blocking. *Int. J. Prod. Res.*, 61(24):8560–8579, 2023. doi:10.1080/00207543.2022.2154404.
- [110] Cyrille Dejemeppe. *Constraint programming algorithms and models for scheduling applications*. PhD thesis, Catholic University of Louvain, Louvain-la-Neuve, Belgium, 2016. URL: <https://hdl.handle.net/2078.1/178078>.
- [111] Cyrille Dejemeppe, Sascha Van Cauwelaert, and Pierre Schaus. The unary resource with transition times. In Gilles Pesant, editor, *Principles and Practice of Constraint Programming - 21st International Conference, CP 2015, Cork, Ireland, August 31 - September 4, 2015, Proceedings*, volume 9255 of *Lecture Notes in Computer Science*, pages 89–104. Springer, 2015. doi:10.1007/978-3-319-23219-5_7.
- [112] Cyrille Dejemeppe and Yves Deville. Continuously degrading resource and interval dependent activity durations in nuclear medicine patient scheduling. In Helmut Simonis, editor, *Integration of AI and OR Techniques in Constraint Programming - 11th International Conference, CPAIOR 2014, Cork, Ireland, May 19-23, 2014. Proceedings*, volume 8451 of *Lecture Notes in Computer Science*, pages 284–292. Springer, 2014. doi:10.1007/978-3-319-07046-9_20.
- [113] Sophie Demasse. *Méthodes hybrides de programmation par contraintes et programmation linéaire pour le problème d’ordonnancement de projet à contraintes de ressources. (Hybrid Constraint Programming-Integer Linear Programming approaches for the Resource-Constrained Project Scheduling Problem)*. PhD thesis, University of Avignon, France, 2003. URL: <https://tel.archives-ouvertes.fr/tel-00293564>.

- [114] Emir Demirovic and Peter J. Stuckey. Constraint programming for high school timetabling: A scheduling-based model with hot starts. In Willem Jan van Hoeve, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 15th International Conference, CPAIOR 2018, Delft, The Netherlands, June 26-29, 2018, Proceedings*, volume 10848 of *Lecture Notes in Computer Science*, pages 135–152. Springer, 2018. doi:10.1007/978-3-319-93031-2_10.
- [115] Alban Derrien. *Ordonnancement cumulatif en programmation par contraintes : caractérisation énergétique des raisonnements et solutions robustes. (Cumulative scheduling in constraint programming : energetic characterization of reasoning and robust solutions)*. PhD thesis, École des mines de Nantes, France, 2015. URL: <https://tel.archives-ouvertes.fr/tel-01242789>.
- [116] Alban Derrien and Thierry Petit. A new characterization of relevant intervals for energetic reasoning. In Barry O’Sullivan, editor, *Principles and Practice of Constraint Programming - 20th International Conference, CP 2014, Lyon, France, September 8-12, 2014. Proceedings*, volume 8656 of *Lecture Notes in Computer Science*, pages 289–297. Springer, 2014. doi:10.1007/978-3-319-10428-7_22.
- [117] Alban Derrien, Thierry Petit, and Stéphane Zampelli. A declarative paradigm for robust cumulative scheduling. In Barry O’Sullivan, editor, *Principles and Practice of Constraint Programming - 20th International Conference, CP 2014, Lyon, France, September 8-12, 2014. Proceedings*, volume 8656 of *Lecture Notes in Computer Science*, pages 298–306. Springer, 2014. doi:10.1007/978-3-319-10428-7_23.
- [118] Stefano Di Alesio, Shiva Nejati, Lionel C. Briand, and Arnaud Gotlieb. Worst-case scheduling of software tasks - A constraint optimization model to support performance testing. In Barry O’Sullivan, editor, *Principles and Practice of Constraint Programming - 20th International Conference, CP 2014, Lyon, France, September 8-12, 2014. Proceedings*, volume 8656 of *Lecture Notes in Computer Science*, pages 813–830. Springer, 2014. doi:10.1007/978-3-319-10428-7_58.
- [119] Bistra Dilkina, Lei Duan, and William S. Havens. Extending systematic local search for job shop scheduling problems. In Peter van Beek, editor, *Principles and Practice of Constraint Programming - CP 2005, 11th International Conference, CP 2005, Sitges, Spain, October 1-5, 2005, Proceedings*, volume 3709 of *Lecture Notes in Computer Science*, pages 762–766. Springer, 2005. doi:10.1007/11564751_60.
- [120] Mehmet Dincbas, Helmut Simonis, and Pascal Van Hentenryck. Solving large combinatorial problems in logic programming. *J. Log. Program.*, 8(1):75–93, 1990. doi:10.1016/0743-1066(90)90052-7.
- [121] Grégoire Doms and Pascal Van Hentenryck. Gap reduction techniques for online stochastic project scheduling. In Laurent Perron and Michael A. Trick, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 5th International Conference, CPAIOR 2008, Paris, France, May 20-23, 2008, Proceedings*, volume 5015 of *Lecture Notes in Computer Science*, pages 66–81. Springer, 2008. doi:10.1007/978-3-540-68155-7_8.
- [122] Seyed Hossein Hashemi Doulabi, Louis-Martin Rousseau, and Gilles Pesant. A constraint programming-based column generation approach for operating room planning and scheduling. In Helmut Simonis, editor, *Integration of AI and OR Techniques in Constraint Programming - 11th International Conference, CPAIOR 2014, Cork, Ireland, May 19-23, 2014. Proceedings*, volume 8451 of *Lecture Notes in Computer Science*, pages 455–463. Springer, 2014. doi:10.1007/978-3-319-07046-9_32.
- [123] Seyed Hossein Hashemi Doulabi, Louis-Martin Rousseau, and Gilles Pesant. A constraint-programming-based branch-and-price-and-cut approach for operating room planning and scheduling. *INFORMS J. Comput.*, 28(3):432–448, 2016. URL: <https://doi.org/10.1287/ijoc.2015.0686>, doi:10.1287/IJOC.2015.0686.
- [124] Emrah B. Edis and Ceyda Oguz. Parallel machine scheduling with additional resources: A lagrangian-based constraint programming approach. In Tobias Achterberg and J. Christopher Beck, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 8th International Conference, CPAIOR 2011, Berlin, Germany, May 23-27, 2011. Proceedings*, volume 6697 of *Lecture Notes in Computer Science*, pages 92–98. Springer, 2011. doi:10.1007/978-3-642-21311-3_10.

- [125] Nikolaos Efthymiou and Neil Yorke-Smith. Predicting the optimal period for cyclic hoist scheduling problems. In André A. Ciré, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 20th International Conference, CPAIOR 2023, Nice, France, May 29 - June 1, 2023, Proceedings*, volume 13884 of *Lecture Notes in Computer Science*, pages 238–253. Springer, 2023. doi:10.1007/978-3-031-33271-5_16.
- [126] Abdallah Elkhyari, Christelle Guéret, and Narendra Jussien. Conflict-based repair techniques for solving dynamic scheduling problems. In Pascal Van Hentenryck, editor, *Principles and Practice of Constraint Programming - CP 2002, 8th International Conference, CP 2002, Ithaca, NY, USA, September 9-13, 2002, Proceedings*, volume 2470 of *Lecture Notes in Computer Science*, pages 702–707. Springer, 2002. doi:10.1007/3-540-46135-3_49.
- [127] Abdallah Elkhyari, Christelle Guéret, and Narendra Jussien. Solving dynamic resource constraint project scheduling problems using new constraint programming tools. In Edmund K. Burke and Patrick De Causmaecker, editors, *Practice and Theory of Automated Timetabling IV, 4th International Conference, PATAT 2002, Gent, Belgium, August 21-23, 2002, Selected Revised Papers*, volume 2740 of *Lecture Notes in Computer Science*, pages 39–62. Springer, 2002. doi:10.1007/978-3-540-45157-0_3.
- [128] M. Anton Ertl and Andreas Krall. Optimal instruction scheduling using constraint logic programming. In Jan Maluszynski and Martin Wirsing, editors, *Programming Language Implementation and Logic Programming, 3rd International Symposium, PLILP'91, Passau, Germany, August 26-28, 1991, Proceedings*, volume 528 of *Lecture Notes in Computer Science*, pages 75–86. Springer, 1991. doi:10.1007/3-540-54444-5_89.
- [129] Teresa Escobet, Vicenç Puig, Joseba Quevedo, Pere Palà-Schönwälder, Juli Romera, and W. Adelman. Optimal batch scheduling of a multiproduct dairy process using a combined optimization/constraint programming approach. *Comput. Chem. Eng.*, 124:228–237, 2019. URL: <https://doi.org/10.1016/j.compchemeng.2018.08.040>, doi:10.1016/J.COMPCHEMENG.2018.08.040.
- [130] Caroline Even, Andreas Schutt, and Pascal Van Hentenryck. A constraint programming approach for non-preemptive evacuation scheduling. In Gilles Pesant, editor, *Principles and Practice of Constraint Programming - 21st International Conference, CP 2015, Cork, Ireland, August 31 - September 4, 2015, Proceedings*, volume 9255 of *Lecture Notes in Computer Science*, pages 574–591. Springer, 2015. doi:10.1007/978-3-319-23219-5_40.
- [131] Caroline Even, Andreas Schutt, and Pascal Van Hentenryck. A constraint programming approach for non-preemptive evacuation scheduling. *CoRR*, abs/1505.02487, 2015. URL: <http://arxiv.org/abs/1505.02487>, arXiv:1505.02487.
- [132] Hamed Fahimi, Yanick Ouellet, and Claude-Guy Quimper. Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last. *Constraints An Int. J.*, 23(3):272–293, 2018. URL: <https://doi.org/10.1007/s10601-018-9282-9>, doi:10.1007/S10601-018-9282-9.
- [133] Moreno Falaschi, Maurizio Gabbrielli, Kim Marriott, and Catuscia Palamidessi. Constraint logic programming with dynamic scheduling: A semantics based on closure operators. *Inf. Comput.*, 137(1):41–67, 1997. URL: <https://doi.org/10.1006/inco.1997.2638>, doi:10.1006/INCO.1997.2638.
- [134] Abdellah El Fallahi, El Yaakoubi Anass, and Mohammad Cherkaoui. Tabu search and constraint programming-based approach for a real scheduling and routing problem. *International Journal of Applied Management Science*, 2020. URL: <https://api.semanticscholar.org/CorpusID:213449737>.
- [135] Huali Fan, Hegen Xiong, and Mark Goh. Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints. *Comput. Oper. Res.*, 134:105401, 2021. URL: <https://doi.org/10.1016/j.cor.2021.105401>, doi:10.1016/J.COR.2021.105401.
- [136] Azadeh Farsi, S. Ali Torabi, and Mahdi Mokhtarzadeh. Integrated surgery scheduling by constraint programming and meta-heuristics. *International Journal of Management Science and Engineering Management*, 18:292 – 304, 2022. URL: <https://api.semanticscholar.org/CorpusID:250301745>.

- [137] Soroush Fatemi-Anaraki, Reza Tavakkoli-Moghaddam, Mehdi Foumani, and Behdin Vahedi-Nouri. Scheduling of multi-robot job shop systems in dynamic environments: Mixed-integer linear programming and constraint programming approaches. *Omega*, 2022. URL: <https://api.semanticscholar.org/CorpusID:252524295>.
- [138] Séverine Betmbe Fetgo and Clémentin Tayou Djamégni. Horizontally elastic edge-finder algorithm for cumulative resource constraint revisited. *Oper. Res. Forum*, 3(4), 2022. URL: <https://doi.org/10.1007/s43069-022-00172-6>, doi:10.1007/s43069-022-00172-6.
- [139] Filippo Focacci, Philippe Laborie, and Wim Nuijten. Solving scheduling problems with setup times and alternative resources. In Steve A. Chien, Subbarao Kambhampati, and Craig A. Knoblock, editors, *Proceedings of the Fifth International Conference on Artificial Intelligence Planning Systems, Breckenridge, CO, USA, April 14-17, 2000*, pages 92–101. AAAI, 2000. URL: <http://www.aaai.org/Library/AIPS/2000/aips00-010.php>.
- [140] Daniel Fontaine, Laurent D. Michel, and Pascal Van Hentenryck. Parallel composition of scheduling solvers. In Claude-Guy Quimper, editor, *Integration of AI and OR Techniques in Constraint Programming - 13th International Conference, CPAIOR 2016, Banff, AB, Canada, May 29 - June 1, 2016, Proceedings*, volume 9676 of *Lecture Notes in Computer Science*, pages 159–169. Springer, 2016. doi:10.1007/978-3-319-33954-2_12.
- [141] Jérôme Fortin, Pawel Zielinski, Didier Dubois, and Hélène Fargier. Interval analysis in scheduling. In Peter van Beek, editor, *Principles and Practice of Constraint Programming - CP 2005, 11th International Conference, CP 2005, Sitges, Spain, October 1-5, 2005, Proceedings*, volume 3709 of *Lecture Notes in Computer Science*, pages 226–240. Springer, 2005. doi:10.1007/11564751_19.
- [142] Jeremy Frank and Elif Kürklü. Mixed discrete and continuous algorithms for scheduling airborne astronomy observations. In Roman Barták and Michela Milano, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, Second International Conference, CPAIOR 2005, Prague, Czech Republic, May 30 - June 1, 2005, Proceedings*, volume 3524 of *Lecture Notes in Computer Science*, pages 183–200. Springer, 2005. doi:10.1007/11493853_15.
- [143] Gerhard Friedrich, Melanie Frühstück, Vera Mersheeva, Anna Ryabokon, Maria Sander, Andreas Starzacher, and Erich Teppan. Representing production scheduling with constraint answer set programming. In Marco E. Lübbecke, Arie Koster, Peter Letmathe, Reinhard Madlener, Britta Peis, and Grit Walther, editors, *Operations Research Proceedings 2014, Selected Papers of the Annual International Conference of the German Operations Research Society (GOR), RWTH Aachen University, Germany, September 2-5, 2014*, pages 159–165. Springer, 2014. doi:10.1007/978-3-319-28697-6_23.
- [144] Sara Frimodig and Christian Schulte. Models for radiation therapy patient scheduling. In Thomas Schiex and Simon de Givry, editors, *Principles and Practice of Constraint Programming - 25th International Conference, CP 2019, Stamford, CT, USA, September 30 - October 4, 2019, Proceedings*, volume 11802 of *Lecture Notes in Computer Science*, pages 421–437. Springer, 2019. doi:10.1007/978-3-030-30048-7_25.
- [145] Nikolaus Frohner, Stephan Teuschl, and Günther R. Raidl. Casual employee scheduling with constraint programming and metaheuristics. In Roberto Moreno-Díaz, Franz Pichler, and Alexis Quesada-Arencibia, editors, *Computer Aided Systems Theory - EUROCAST 2019 - 17th International Conference, Las Palmas de Gran Canaria, Spain, February 17-22, 2019, Revised Selected Papers, Part I*, volume 12013 of *Lecture Notes in Computer Science*, pages 279–287. Springer, 2019. doi:10.1007/978-3-030-45093-9_34.
- [146] Daniel Frost and Rina Dechter. Optimizing with constraints: A case study in scheduling maintenance of electric power units. In Michael J. Maher and Jean-Francois Puget, editors, *Principles and Practice of Constraint Programming - CP98, 4th International Conference, Pisa, Italy, October 26-30, 1998, Proceedings*, volume 1520 of *Lecture Notes in Computer Science*, page 469. Springer, 1998. doi:10.1007/3-540-49481-2_40.
- [147] Cristian Galleguillos, Zeynep Kiziltan, Alina Sirbu, and Özalp Babaoglu. Constraint programming-based job dispatching for modern HPC applications. In Thomas Schiex and Simon de Givry, editors, *Principles and Practice of Constraint Programming - 25th International Conference, CP 2019, Stamford, CT, USA, September 30 - October 4, 2019, Proceedings*, volume 11802 of *Lecture Notes in Computer Science*, pages 438–455. Springer, 2019. doi:10.1007/978-3-030-30048-7_26.

- [148] Antoine Gargani and Philippe Refalo. An efficient model and strategy for the steel mill slab design problem. In Christian Bessiere, editor, *Principles and Practice of Constraint Programming - CP 2007, 13th International Conference, CP 2007, Providence, RI, USA, September 23-27, 2007, Proceedings*, volume 4741 of *Lecture Notes in Computer Science*, pages 77–89. Springer, 2007. doi:10.1007/978-3-540-74970-7_8.
- [149] Antonio Garrido, Marlene Arangú, and Eva Onaindia. A constraint programming formulation for planning: from plan scheduling to plan generation. *J. Sched.*, 12(3):227–256, 2009. URL: <https://doi.org/10.1007/s10951-008-0083-7>, doi:10.1007/S10951-008-0083-7.
- [150] Antonio Garrido, Eva Onaindia, and Óscar Sapena. Planning and scheduling in an e-learning environment. A constraint-programming-based approach. *Eng. Appl. Artif. Intell.*, 21(5):733–743, 2008. URL: <https://doi.org/10.1016/j.engappai.2008.03.009>, doi:10.1016/J.ENGAPPAI.2008.03.009.
- [151] Steven Gay, Renaud Hartert, Christophe Lecoutre, and Pierre Schaus. Conflict ordering search for scheduling problems. In Gilles Pesant, editor, *Principles and Practice of Constraint Programming - 21st International Conference, CP 2015, Cork, Ireland, August 31 - September 4, 2015, Proceedings*, volume 9255 of *Lecture Notes in Computer Science*, pages 140–148. Springer, 2015. doi:10.1007/978-3-319-23219-5_10.
- [152] Steven Gay, Renaud Hartert, and Pierre Schaus. Simple and scalable time-table filtering for the cumulative constraint. In Gilles Pesant, editor, *Principles and Practice of Constraint Programming - 21st International Conference, CP 2015, Cork, Ireland, August 31 - September 4, 2015, Proceedings*, volume 9255 of *Lecture Notes in Computer Science*, pages 149–157. Springer, 2015. doi:10.1007/978-3-319-23219-5_11.
- [153] Steven Gay, Renaud Hartert, and Pierre Schaus. Time-table disjunctive reasoning for the cumulative constraint. In Laurent Michel, editor, *Integration of AI and OR Techniques in Constraint Programming - 12th International Conference, CPAIOR 2015, Barcelona, Spain, May 18-22, 2015, Proceedings*, volume 9075 of *Lecture Notes in Computer Science*, pages 157–172. Springer, 2015. doi:10.1007/978-3-319-18008-3_11.
- [154] Steven Gay, Pierre Schaus, and Vivian De Smedt. Continuous casting scheduling with constraint programming. In Barry O’Sullivan, editor, *Principles and Practice of Constraint Programming - 20th International Conference, CP 2014, Lyon, France, September 8-12, 2014. Proceedings*, volume 8656 of *Lecture Notes in Computer Science*, pages 831–845. Springer, 2014. doi:10.1007/978-3-319-10428-7_59.
- [155] Ridvan Gedik, Darshan Kalathia, Gokhan Egilmez, and Emre Kirac. A constraint programming approach for solving unrelated parallel machine scheduling problem. *Comput. Ind. Eng.*, 121:139–149, 2018. URL: <https://doi.org/10.1016/j.cie.2018.05.014>, doi:10.1016/J.CIE.2018.05.014.
- [156] Tobias Geibinger, Lucas Kletzander, Matthias Krainz, Florian Mischek, Nysret Musliu, and Felix Winter. Physician scheduling during a pandemic. In Peter J. Stuckey, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 18th International Conference, CPAIOR 2021, Vienna, Austria, July 5-8, 2021, Proceedings*, volume 12735 of *Lecture Notes in Computer Science*, pages 456–465. Springer, 2021. doi:10.1007/978-3-030-78230-6_29.
- [157] Tobias Geibinger, Florian Mischek, and Nysret Musliu. Investigating constraint programming and hybrid methods for real world industrial test laboratory scheduling. *CoRR*, abs/1911.04766, 2019. URL: <http://arxiv.org/abs/1911.04766>, arXiv:1911.04766.
- [158] Tobias Geibinger, Florian Mischek, and Nysret Musliu. Investigating constraint programming for real world industrial test laboratory scheduling. In Louis-Martin Rousseau and Kostas Stergiou, editors, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 16th International Conference, CPAIOR 2019, Thessaloniki, Greece, June 4-7, 2019, Proceedings*, volume 11494 of *Lecture Notes in Computer Science*, pages 304–319. Springer, 2019. doi:10.1007/978-3-030-19212-9_20.
- [159] Tobias Geibinger, Florian Mischek, and Nysret Musliu. Constraint logic programming for real-world test laboratory scheduling. In *Thirty-Fifth AAAI Conference on Artificial Intelligence, AAAI 2021, Thirty-Third Conference on Innovative Applications of Artificial Intelligence, IAAI 2021, The Eleventh Symposium on Educational Advances in Artificial Intelligence, EAAI 2021, Virtual Event, February 2-9, 2021*, pages 6358–6366. AAAI Press, 2021. URL: <https://doi.org/10.1609/aaai.v35i7.16789>, doi:10.1609/AAAI.V35I7.16789.

- [160] Marc Geitz, Cristian Grozea, Wolfgang Steigerwald, Robin Stöhr, and Armin Wolf. Solving the extended job shop scheduling problem with agvs - classical and quantum approaches. In Pierre Schaus, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 19th International Conference, CPAIOR 2022, Los Angeles, CA, USA, June 20-23, 2022, Proceedings*, volume 13292 of *Lecture Notes in Computer Science*, pages 120–137. Springer, 2022. doi:10.1007/978-3-031-08011-1_10.
- [161] Mirco Gelain, Maria Silvia Pini, Francesca Rossi, Kristen Brent Venable, and Toby Walsh. A local search approach for incomplete soft constraint problems: Experimental results on meeting scheduling problems. In Domenico Salvagnin and Michele Lombardi, editors, *Integration of AI and OR Techniques in Constraint Programming - 14th International Conference, CPAIOR 2017, Padua, Italy, June 5-8, 2017, Proceedings*, volume 10335 of *Lecture Notes in Computer Science*, pages 403–418. Springer, 2017. doi:10.1007/978-3-319-59776-8_32.
- [162] Ulrich Geske. Railway scheduling with declarative constraint programming. In Masanobu Umeda, Armin Wolf, Oskar Bartenstein, Ulrich Geske, Dietmar Seipel, and Osamu Takata, editors, *Declarative Programming for Knowledge Management, 16th International Conference on Applications of Declarative Programming and Knowledge Management, INAP 2005, Fukuoka, Japan, October 22-24, 2005, Revised Selected Papers*, volume 4369 of *Lecture Notes in Computer Science*, pages 117–134. Springer, 2005. doi:10.1007/11963578_10.
- [163] Katherine Giles and Willem-Jan van Hoeve. Solving a supply-delivery scheduling problem with constraint programming. In Michel Rueher, editor, *Principles and Practice of Constraint Programming - 22nd International Conference, CP 2016, Toulouse, France, September 5-9, 2016, Proceedings*, volume 9892 of *Lecture Notes in Computer Science*, pages 602–617. Springer, 2016. doi:10.1007/978-3-319-44953-1_38.
- [164] Vincent Gingras and Claude-Guy Quimper. Generalizing the edge-finder rule for the cumulative constraint. In Subbarao Kambhampati, editor, *Proceedings of the Twenty-Fifth International Joint Conference on Artificial Intelligence, IJCAI 2016, New York, NY, USA, 9-15 July 2016*, pages 3103–3109. IJCAI/AAAI Press, 2016. URL: <http://www.ijcai.org/Abstract/16/440>.
- [165] Daniel Godard, Philippe Laborie, and Wim Nuijten. Randomized large neighborhood search for cumulative scheduling. In Susanne Biundo, Karen L. Myers, and Kanna Rajan, editors, *Proceedings of the Fifteenth International Conference on Automated Planning and Scheduling (ICAPS 2005), June 5-10 2005, Monterey, California, USA*, pages 81–89. AAAI, 2005. URL: <http://www.aaai.org/Library/ICAPS/2005/icaps05-009.php>.
- [166] Arthur Godet. *Sur le tri de tâches pour résoudre des problèmes d’ordonnancement avec la programmation par contraintes. (On the use of tasks ordering to solve scheduling problems with constraint programming)*. PhD thesis, IMT Atlantique Bretagne Pays de la Loire, Brest, France, 2021. URL: <https://tel.archives-ouvertes.fr/tel-03681868>.
- [167] Arthur Godet, Xavier Lorca, Emmanuel Hebrard, and Gilles Simonin. Using approximation within constraint programming to solve the parallel machine scheduling problem with additional unit resources. In *The Thirty-Fourth AAAI Conference on Artificial Intelligence, AAAI 2020, The Thirty-Second Innovative Applications of Artificial Intelligence Conference, IAAI 2020, The Tenth AAAI Symposium on Educational Advances in Artificial Intelligence, EAAI 2020, New York, NY, USA, February 7-12, 2020*, pages 1512–1519. AAAI Press, 2020. URL: <https://doi.org/10.1609/aaai.v34i02.5510>, doi:10.1609/AAAI.V34I02.5510.
- [168] Vikas Goel, M. Slusky, Willem-Jan van Hoeve, Kevin C. Furman, and Yufen Shao. Constraint programming for LNG ship scheduling and inventory management. *Eur. J. Oper. Res.*, 241(3):662–673, 2015. URL: <https://doi.org/10.1016/j.ejor.2014.09.048>, doi:10.1016/J.EJOR.2014.09.048.
- [169] Burak Gökgür, Brahim Hnich, and Selin Özpeynirci. Parallel machine scheduling with tool loading: a constraint programming approach. *Int. J. Prod. Res.*, 56(16):5541–5557, 2018. doi:10.1080/00207543.2017.1421781.
- [170] Adrian Goldwaser and Andreas Schutt. Optimal torpedo scheduling. In J. Christopher Beck, editor, *Principles and Practice of Constraint Programming - 23rd International Conference, CP 2017, Melbourne, VIC, Australia, August 28 - September 1, 2017, Proceedings*, volume 10416 of *Lecture Notes in Computer Science*, pages 338–353. Springer, 2017. doi:10.1007/978-3-319-66158-2_22.

- [171] Hans-Joachim Goltz. Reducing domains for search in CLP(FD) and its application to job-shop scheduling. In Ugo Montanari and Francesca Rossi, editors, *Principles and Practice of Constraint Programming - CP'95, First International Conference, CP'95, Cassis, France, September 19-22, 1995, Proceedings*, volume 976 of *Lecture Notes in Computer Science*, pages 549–562. Springer, 1995. doi:10.1007/3-540-60299-2_33.
- [172] Carla P. Gomes, Willem Jan van Hoeve, and Bart Selman. Constraint programming for distributed planning and scheduling. In *Distributed Plan and Schedule Management, Papers from the 2006 AAAI Spring Symposium, Technical Report SS-06-04, Stanford, California, USA, March 27-29, 2006*, pages 157–158. AAAI, 2006. URL: <http://www.aaai.org/Library/Symposia/Spring/2006/ss06-04-024.php>.
- [173] Diarmuid Grimes and Emmanuel Hebrard. Job shop scheduling with setup times and maximal time-lags: A simple constraint programming approach. In Andrea Lodi, Michela Milano, and Paolo Toth, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 7th International Conference, CPAIOR 2010, Bologna, Italy, June 14-18, 2010. Proceedings*, volume 6140 of *Lecture Notes in Computer Science*, pages 147–161. Springer, 2010. doi:10.1007/978-3-642-13520-0_19.
- [174] Diarmuid Grimes and Emmanuel Hebrard. Models and strategies for variants of the job shop scheduling problem. In Jimmy Ho-Man Lee, editor, *Principles and Practice of Constraint Programming - CP 2011 - 17th International Conference, CP 2011, Perugia, Italy, September 12-16, 2011. Proceedings*, volume 6876 of *Lecture Notes in Computer Science*, pages 356–372. Springer, 2011. doi:10.1007/978-3-642-23786-7_28.
- [175] Diarmuid Grimes, Emmanuel Hebrard, and Arnaud Malapert. Closing the open shop: Contradicting conventional wisdom. In Ian P. Gent, editor, *Principles and Practice of Constraint Programming - CP 2009, 15th International Conference, CP 2009, Lisbon, Portugal, September 20-24, 2009, Proceedings*, volume 5732 of *Lecture Notes in Computer Science*, pages 400–408. Springer, 2009. doi:10.1007/978-3-642-04244-7_33.
- [176] Diarmuid Grimes, Georgiana Ifrim, Barry O'Sullivan, and Helmut Simonis. Analyzing the impact of electricity price forecasting on energy cost-aware scheduling. *Sustain. Comput. Informatics Syst.*, 4(4):276–291, 2014. URL: <https://doi.org/10.1016/j.suscom.2014.08.009>, doi:10.1016/J.SUSCOM.2014.08.009.
- [177] Lucas Groleaz, Samba Ndojh Ndiaye, and Christine Solnon. ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint. In Carlos Artemio Coello Coello, editor, *GECCO '20: Genetic and Evolutionary Computation Conference, Cancún Mexico, July 8-12, 2020*, pages 13–21. ACM, 2020. doi:10.1145/3377930.3389818.
- [178] Lucas Groleaz, Samba Ndojh Ndiaye, and Christine Solnon. Solving the group cumulative scheduling problem with CPO and ACO. In Helmut Simonis, editor, *Principles and Practice of Constraint Programming - 26th International Conference, CP 2020, Louvain-la-Neuve, Belgium, September 7-11, 2020, Proceedings*, volume 12333 of *Lecture Notes in Computer Science*, pages 620–636. Springer, 2020. doi:10.1007/978-3-030-58475-7_36.
- [179] Flavius Gruian and Krzysztof Kuchcinski. Operation binding and scheduling for low power using constraint logic programming. In *24th EUROMICRO '98 Conference, Engineering Systems and Software for the Next Decade, 25-27 August 1998, Vasteras, Sweden*, pages 10083–10090. IEEE Computer Society, 1998. doi:10.1109/EURMIC.1998.711781.
- [180] Hanyu Gu, Andreas Schutt, and Peter J. Stuckey. A lagrangian relaxation based forward-backward improvement heuristic for maximising the net present value of resource-constrained projects. In Carla P. Gomes and Meinolf Sellmann, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 10th International Conference, CPAIOR 2013, Yorktown Heights, NY, USA, May 18-22, 2013. Proceedings*, volume 7874 of *Lecture Notes in Computer Science*, pages 340–346. Springer, 2013. doi:10.1007/978-3-642-38171-3_24.
- [181] Seyda Gür, Mehmet Pinarbasi, Hacı Mehmet Alakas, and Tamer Eren. Operating room scheduling with surgical team: a new approach with constraint programming and goal programming. *Central Eur. J. Oper. Res.*, 31(4):1061–1085, 2023. URL: <https://doi.org/10.1007/s10100-022-00835-z>, doi:10.1007/S10100-022-00835-Z.

- [182] Nizar El Hachemi, Michel Gendreau, and Louis-Martin Rousseau. A hybrid constraint programming approach to the log-truck scheduling problem. *Ann. Oper. Res.*, 184(1):163–178, 2011. URL: <https://doi.org/10.1007/s10479-010-0698-x>, doi:10.1007/S10479-010-0698-X.
- [183] Andy Ham. Integrated scheduling of m-truck, m-drone, and m-depot constrained by time-window, drop-pickup, and m-visit using constraint programming. *Transportation Research Part C: Emerging Technologies*, 2018. URL: <https://api.semanticscholar.org/CorpusID:116853255>.
- [184] Andy Ham, Myoung-Ju Park, and Kyung Min Kim. Energy-aware flexible job shop scheduling using mixed integer programming and constraint programming. *Mathematical Problems in Engineering*, 2021. URL: <https://api.semanticscholar.org/CorpusID:237898414>.
- [185] Claire Hanen, Alix Munier Kordon, and Theo Pedersen. Two deadline reduction algorithms for scheduling dependent tasks on parallel processors. In Peter J. Stuckey, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 18th International Conference, CPAIOR 2021, Vienna, Austria, July 5-8, 2021, Proceedings*, volume 12735 of *Lecture Notes in Computer Science*, pages 214–230. Springer, 2021. doi:10.1007/978-3-030-78230-6_14.
- [186] Viktoria A. Hauder, Andreas Beham, Sebastian Raggl, Sophie N. Parragh, and Michael Affenzeller. On constraint programming for a new flexible project scheduling problem with resource constraints. *ArXiv*, abs/1902.09244, 2019. URL: <https://api.semanticscholar.org/CorpusID:67855609>.
- [187] Viktoria A. Hauder, Andreas Beham, Sebastian Raggl, Sophie N. Parragh, and Michael Affenzeller. On constraint programming for a new flexible project scheduling problem with resource constraints. *CoRR*, abs/1902.09244, 2019. URL: <http://arxiv.org/abs/1902.09244>, arXiv:1902.09244.
- [188] Shan He, Mark Wallace, Graeme Gange, Ariel Liebman, and Campbell Wilson. A fast and scalable algorithm for scheduling large numbers of devices under real-time pricing. In John N. Hooker, editor, *Principles and Practice of Constraint Programming - 24th International Conference, CP 2018, Lille, France, August 27-31, 2018, Proceedings*, volume 11008 of *Lecture Notes in Computer Science*, pages 649–666. Springer, 2018. doi:10.1007/978-3-319-98334-9_42.
- [189] Emmanuel Hebrard, Paul Tyler, and Toby Walsh. Computing super-schedules. In Peter van Beek, editor, *Principles and Practice of Constraint Programming - CP 2005, 11th International Conference, CP 2005, Sitges, Spain, October 1-5, 2005, Proceedings*, volume 3709 of *Lecture Notes in Computer Science*, pages 879–879. Springer, 2005. doi:10.1007/11564751_117.
- [190] Aliza R. Heching and John N. Hooker. Scheduling home hospice care with logic-based benders decomposition. In Claude-Guy Quimper, editor, *Integration of AI and OR Techniques in Constraint Programming - 13th International Conference, CPAIOR 2016, Banff, AB, Canada, May 29 - June 1, 2016, Proceedings*, volume 9676 of *Lecture Notes in Computer Science*, pages 187–197. Springer, 2016. doi:10.1007/978-3-319-33954-2_14.
- [191] Stefan Heinz and J. Christopher Beck. Reconsidering mixed integer programming and mip-based hybrids for scheduling. In Nicolas Beldiceanu, Narendra Jussien, and Eric Pinson, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 9th International Conference, CPAIOR 2012, Nantes, France, May 28 - June 1, 2012. Proceedings*, volume 7298 of *Lecture Notes in Computer Science*, pages 211–227. Springer, 2012. doi:10.1007/978-3-642-29828-8_14.
- [192] Stefan Heinz, Wen-Yang Ku, and J. Christopher Beck. Recent improvements using constraint integer programming for resource allocation and scheduling. In Carla P. Gomes and Meinolf Sellmann, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 10th International Conference, CPAIOR 2013, Yorktown Heights, NY, USA, May 18-22, 2013. Proceedings*, volume 7874 of *Lecture Notes in Computer Science*, pages 12–27. Springer, 2013. doi:10.1007/978-3-642-38171-3_2.
- [193] Stefan Heinz, Thomas Schlechte, Rüdiger Stephan, and Michael Winkler. Solving steel mill slab design problems. *Constraints An Int. J.*, 17(1):39–50, 2012. URL: <https://doi.org/10.1007/s10601-011-9113-8>, doi:10.1007/S10601-011-9113-8.

- [194] Stefan Heinz and Jens Schulz. Explanations for the cumulative constraint: An experimental study. In Panos M. Pardalos and Steffen Rebennack, editors, *Experimental Algorithms - 10th International Symposium, SEA 2011, Kolimpari, Chania, Crete, Greece, May 5-7, 2011. Proceedings*, volume 6630 of *Lecture Notes in Computer Science*, pages 400–409. Springer, 2011. doi:10.1007/978-3-642-20662-7_34.
- [195] Stefan Heinz, Jens Schulz, and J. Christopher Beck. Using dual presolving reductions to reformulate cumulative constraints. *Constraints An Int. J.*, 18(2):166–201, 2013. URL: <https://doi.org/10.1007/s10601-012-9136-9>, doi:10.1007/S10601-012-9136-9.
- [196] Vilém Heinz, Antonín Novák, Marek Vlk, and Zdenek Hanzálek. Constraint programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers. *Comput. Ind. Eng.*, 172(Part):108586, 2022. URL: <https://doi.org/10.1016/j.cie.2022.108586>, doi:10.1016/J.CIE.2022.108586.
- [197] Vilém Heinz, Antonín Novák, Marek Vlk, and Zdenek Hanzálek. Constraint programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers. *CoRR*, abs/2305.19888, 2023. URL: <https://doi.org/10.48550/arXiv.2305.19888>, arXiv:2305.19888, doi:10.48550/ARXIV.2305.19888.
- [198] Susanne Heipcke, Yves Colombani, Cristina C. B. Cavalcante, and Cid C. de Souza. Scheduling under labour resource constraints. *Constraints An Int. J.*, 5(4):415–422, 2000. doi:10.1023/A:1009860311452.
- [199] Pascal Van Hentenryck and Laurent Michel. Scheduling abstractions for local search. In Jean-Charles Régin and Michel Rueher, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, First International Conference, CPAIOR 2004, Nice, France, April 20-22, 2004, Proceedings*, volume 3011 of *Lecture Notes in Computer Science*, pages 319–334. Springer, 2004. doi:10.1007/978-3-540-24664-0_22.
- [200] Pascal Van Hentenryck and Laurent Michel. The steel mill slab design problem revisited. In Laurent Perron and Michael A. Trick, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 5th International Conference, CPAIOR 2008, Paris, France, May 20-23, 2008, Proceedings*, volume 5015 of *Lecture Notes in Computer Science*, pages 377–381. Springer, 2008. doi:10.1007/978-3-540-68155-7_41.
- [201] Fabien Hermenier, Sophie Demasse, and Xavier Lorca. Bin repacking scheduling in virtualized datacenters. In Jimmy Ho-Man Lee, editor, *Principles and Practice of Constraint Programming - CP 2011 - 17th International Conference, CP 2011, Perugia, Italy, September 12-16, 2011. Proceedings*, volume 6876 of *Lecture Notes in Computer Science*, pages 27–41. Springer, 2011. doi:10.1007/978-3-642-23786-7_5.
- [202] Alessandro Hill, Jordan Ticktin, and Thomas W. M. Vossen. A computational study of constraint programming approaches for resource-constrained project scheduling with autonomous learning effects. In Peter J. Stuckey, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 18th International Conference, CPAIOR 2021, Vienna, Austria, July 5-8, 2021, Proceedings*, volume 12735 of *Lecture Notes in Computer Science*, pages 26–44. Springer, 2021. doi:10.1007/978-3-030-78230-6_2.
- [203] Te-Wei Ho, Jia-Sheng Yao, Yao-Ting Chang, Feipei Lai, Jui-Fen Lai, Sue-Min Chu, Wan-Chung Liao, and Han-Mo Chiu. A platform for dynamic optimal nurse scheduling based on integer linear programming along with multiple criteria constraints. In *Proceedings of the 2018 Artificial Intelligence and Cloud Computing Conference, AICCC 2018, Tokyo, Japan, December 21-23, 2018*, pages 145–150. ACM, 2018. doi:10.1145/3299819.3299825.
- [204] John N. Hooker. A hybrid method for planning and scheduling. In Mark Wallace, editor, *Principles and Practice of Constraint Programming - CP 2004, 10th International Conference, CP 2004, Toronto, Canada, September 27 - October 1, 2004, Proceedings*, volume 3258 of *Lecture Notes in Computer Science*, pages 305–316. Springer, 2004. doi:10.1007/978-3-540-30201-8_24.
- [205] John N. Hooker. A hybrid method for the planning and scheduling. *Constraints An Int. J.*, 10(4):385–401, 2005. URL: <https://doi.org/10.1007/s10601-005-2812-2>, doi:10.1007/S10601-005-2812-2.

- [206] John N. Hooker. Planning and scheduling to minimize tardiness. In Peter van Beek, editor, *Principles and Practice of Constraint Programming - CP 2005, 11th International Conference, CP 2005, Sitges, Spain, October 1-5, 2005, Proceedings*, volume 3709 of *Lecture Notes in Computer Science*, pages 314–327. Springer, 2005. doi:10.1007/11564751_25.
- [207] John N. Hooker. An integrated method for planning and scheduling to minimize tardiness. *Constraints An Int. J.*, 11(2-3):139–157, 2006. URL: <https://doi.org/10.1007/s10601-006-8060-2>, doi:10.1007/S10601-006-8060-2.
- [208] John N. Hooker. Job sequencing bounds from decision diagrams. In J. Christopher Beck, editor, *Principles and Practice of Constraint Programming - 23rd International Conference, CP 2017, Melbourne, VIC, Australia, August 28 - September 1, 2017, Proceedings*, volume 10416 of *Lecture Notes in Computer Science*, pages 565–578. Springer, 2017. doi:10.1007/978-3-319-66158-2_36.
- [209] John N. Hooker and Hong Yan. A relaxation of the cumulative constraint. In Pascal Van Hentenryck, editor, *Principles and Practice of Constraint Programming - CP 2002, 8th International Conference, CP 2002, Ithaca, NY, USA, September 9-13, 2002, Proceedings*, volume 2470 of *Lecture Notes in Computer Science*, pages 686–690. Springer, 2002. doi:10.1007/3-540-46135-3_46.
- [210] Vinasétan Ratheil Houndji, Pierre Schaus, Laurence A. Wolsey, and Yves Deville. The stockingcost constraint. In Barry O’Sullivan, editor, *Principles and Practice of Constraint Programming - 20th International Conference, CP 2014, Lyon, France, September 8-12, 2014. Proceedings*, volume 8656 of *Lecture Notes in Computer Science*, pages 382–397. Springer, 2014. doi:10.1007/978-3-319-10428-7_29.
- [211] Felix Hübner, Patrick Gerhards, Christian Stürck, and Rebekka Volk. Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics. *J. Sched.*, 24(3):269–290, 2021. URL: <https://doi.org/10.1007/s10951-021-00682-x>, doi:10.1007/S10951-021-00682-X.
- [212] Georgiana Ifrim, Barry O’Sullivan, and Helmut Simonis. Properties of energy-price forecasts for scheduling. In Michela Milano, editor, *Principles and Practice of Constraint Programming - 18th International Conference, CP 2012, Québec City, QC, Canada, October 8-12, 2012. Proceedings*, volume 7514 of *Lecture Notes in Computer Science*, pages 957–972. Springer, 2012. doi:10.1007/978-3-642-33558-7_68.
- [213] Eyüp Ensar Isik, Seyda Topaloglu Yildiz, and Özge Satir Akpunar. Constraint programming models for the hybrid flow shop scheduling problem and its extensions. *Soft Comput.*, 27(24):18623–18650, 2023. URL: <https://doi.org/10.1007/s00500-023-09086-9>, doi:10.1007/S00500-023-09086-9.
- [214] Jan Jelínek and Roman Barták. Using constraint logic programming to schedule solar array operations on the international space station. In Marco Gavanelli and John H. Reppy, editors, *Practical Aspects of Declarative Languages - 18th International Symposium, PADL 2016, St. Petersburg, FL, USA, January 18-19, 2016. Proceedings*, volume 9585 of *Lecture Notes in Computer Science*, pages 3–12. Springer, 2016. doi:10.1007/978-3-319-28228-2_1.
- [215] Jean Jourdan, François Fages, Didier Rozzonelli, and Alain Demeure. Data alignment and task scheduling on parallel machines using concurrent constraint model-based programming. In Maurice Bruynooghe, editor, *Logic Programming, Proceedings of the 1994 International Symposium, Ithaca, New York, USA, November 13-17, 1994*, page 678. MIT Press, 1994.
- [216] Pascal Jungblut and Dieter Kranzlmüller. Optimal schedules for high-level programming environments on fpgas with constraint programming. In *IEEE International Parallel and Distributed Processing Symposium, IPDPS Workshops 2022, Lyon, France, May 30 - June 3, 2022*, pages 96–99. IEEE, 2022. doi:10.1109/IPDPSW55747.2022.00025.
- [217] Carla Juvin, Emmanuel Hebrard, Laurent Houssin, and Pierre Lopez. An efficient constraint programming approach to preemptive job shop scheduling. In Roland H. C. Yap, editor, *29th International Conference on Principles and Practice of Constraint Programming, CP 2023, August 27-31, 2023, Toronto, Canada*,

- volume 280 of *LIPICs*, pages 19:1–19:16. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2023. URL: <https://doi.org/10.4230/LIPICs.CP.2023.19>, doi:10.4230/LIPICs.CP.2023.19.
- [218] Carla Juvin, Laurent Houssin, and Pierre Lopez. Constraint programming for the robust two-machine flow-shop scheduling problem with budgeted uncertainty. In André A. Ciré, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 20th International Conference, CPAIOR 2023, Nice, France, May 29 - June 1, 2023, Proceedings*, volume 13884 of *Lecture Notes in Computer Science*, pages 354–369. Springer, 2023. doi:10.1007/978-3-031-33271-5_23.
- [219] Olli Kamarainen and Hani El Sakkout. Local probing applied to scheduling. In Pascal Van Hentenryck, editor, *Principles and Practice of Constraint Programming - CP 2002, 8th International Conference, CP 2002, Ithaca, NY, USA, September 9-13, 2002, Proceedings*, volume 2470 of *Lecture Notes in Computer Science*, pages 155–171. Springer, 2002. doi:10.1007/3-540-46135-3_11.
- [220] Roger Kameugne. Propagation techniques of resource constraint for cumulative scheduling. *Constraints An Int. J.*, 20(4):506–507, 2015. URL: <https://doi.org/10.1007/s10601-015-9227-5>, doi:10.1007/S10601-015-9227-5.
- [221] Roger Kameugne, Séverine Betmbe Fetgo, Vincent Gingras, Yanick Ouellet, and Claude-Guy Quimper. Horizontally elastic not-first/not-last filtering algorithm for cumulative resource constraint. In Willem Jan van Hoeve, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 15th International Conference, CPAIOR 2018, Delft, The Netherlands, June 26-29, 2018, Proceedings*, volume 10848 of *Lecture Notes in Computer Science*, pages 316–332. Springer, 2018. doi:10.1007/978-3-319-93031-2_23.
- [222] Roger Kameugne, Séverine Betmbe Fetgo, Thierry Noulamo, and Clémentin Tayou Djamégni. Horizontally elastic edge finder rule for cumulative constraint based on slack and density. In Roland H. C. Yap, editor, *29th International Conference on Principles and Practice of Constraint Programming, CP 2023, August 27-31, 2023, Toronto, Canada*, volume 280 of *LIPICs*, pages 20:1–20:17. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2023. URL: <https://doi.org/10.4230/LIPICs.CP.2023.20>, doi:10.4230/LIPICs.CP.2023.20.
- [223] Roger Kameugne, Laure Pauline Fotso, Joseph D. Scott, and Youcheu Ngo-Kateu. A quadratic edge-finding filtering algorithm for cumulative resource constraints. In Jimmy Ho-Man Lee, editor, *Principles and Practice of Constraint Programming - CP 2011 - 17th International Conference, CP 2011, Perugia, Italy, September 12-16, 2011. Proceedings*, volume 6876 of *Lecture Notes in Computer Science*, pages 478–492. Springer, 2011. doi:10.1007/978-3-642-23786-7_37.
- [224] Roger Kameugne, Laure Pauline Fotso, Joseph D. Scott, and Youcheu Ngo-Kateu. A quadratic edge-finding filtering algorithm for cumulative resource constraints. *Constraints An Int. J.*, 19(3):243–269, 2014. URL: <https://doi.org/10.1007/s10601-013-9157-z>, doi:10.1007/S10601-013-9157-Z.
- [225] John J. Kanet, Sanjay Ahire, and Michael F. Gorman. Constraint programming for scheduling. In Joseph Y.-T. Leung, editor, *Handbook of Scheduling - Algorithms, Models, and Performance Analysis*. Chapman and Hall/CRC, 2004. URL: <http://www.crcnetbase.com/doi/abs/10.1201/9780203489802.ch47>, doi:10.1201/9780203489802.CH47.
- [226] Elena Kelareva, Kevin Tierney, and Philip Kilby. CP methods for scheduling and routing with time-dependent task costs. In Carla P. Gomes and Meinolf Sellmann, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 10th International Conference, CPAIOR 2013, Yorktown Heights, NY, USA, May 18-22, 2013. Proceedings*, volume 7874 of *Lecture Notes in Computer Science*, pages 111–127. Springer, 2013. doi:10.1007/978-3-642-38171-3_8.
- [227] Jan Kelbel and Zdenek Hanzálek. Solving production scheduling with earliness/tardiness penalties by constraint programming. *J. Intell. Manuf.*, 22(4):553–562, 2011. URL: <https://doi.org/10.1007/s10845-009-0318-2>, doi:10.1007/S10845-009-0318-2.

- [228] András Kéri and Tamás Kis. Computing tight time windows for RCPSPWET with the primal-dual method. In Pascal Van Hentenryck and Laurence A. Wolsey, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 4th International Conference, CPAIOR 2007, Brussels, Belgium, May 23-26, 2007, Proceedings*, volume 4510 of *Lecture Notes in Computer Science*, pages 127–140. Springer, 2007. doi:10.1007/978-3-540-72397-4_10.
- [229] Ghada El Khayat, André Langevin, and Diane Riopel. Integrated production and material handling scheduling using mathematical programming and constraint programming. *Eur. J. Oper. Res.*, 175(3):1818–1832, 2006. URL: <https://doi.org/10.1016/j.ejor.2005.02.077>, doi:10.1016/J.EJOR.2005.02.077.
- [230] Mohand Ou Idir Khemmoudj, Marc Porcheron, and Hachemi Bennaceur. When constraint programming and local search solve the scheduling problem of electricité de france nuclear power plant outages. In Frédéric Benhamou, editor, *Principles and Practice of Constraint Programming - CP 2006, 12th International Conference, CP 2006, Nantes, France, September 25-29, 2006, Proceedings*, volume 4204 of *Lecture Notes in Computer Science*, pages 271–283. Springer, 2006. doi:10.1007/11889205_21.
- [231] Dongyun Kim, Yeonjun Choi, Kyungduk Moon, Myungho Lee, Kangbok Lee, and Michael L. Pinedo. Iterated greedy constraint programming for scheduling steel-making continuous casting. In André A. Ciré, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 20th International Conference, CPAIOR 2023, Nice, France, May 29 - June 1, 2023, Proceedings*, volume 13884 of *Lecture Notes in Computer Science*, pages 477–492. Springer, 2023. doi:10.1007/978-3-031-33271-5_31.
- [232] Christian Klanke, Dominik R. Bleidorn, Vassilios Yfantis, and Sebastian Engell. Combining constraint programming and temporal decomposition approaches - scheduling of an industrial formulation plant. In Peter J. Stuckey, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 18th International Conference, CPAIOR 2021, Vienna, Austria, July 5-8, 2021, Proceedings*, volume 12735 of *Lecture Notes in Computer Science*, pages 133–148. Springer, 2021. doi:10.1007/978-3-030-78230-6_9.
- [233] Lucas Kletzander and Nysret Musliu. A multi-stage simulated annealing algorithm for the torpedo scheduling problem. In Domenico Salvagnin and Michele Lombardi, editors, *Integration of AI and OR Techniques in Constraint Programming - 14th International Conference, CPAIOR 2017, Padua, Italy, June 5-8, 2017, Proceedings*, volume 10335 of *Lecture Notes in Computer Science*, pages 344–358. Springer, 2017. doi:10.1007/978-3-319-59776-8_28.
- [234] Jana Koehler, Josef Bürgler, Urs Fontana, Etienne Fux, Florian A. Herzog, Marc Pouly, Sophia Saller, Anastasia Salyaeva, Peter Scheiblechner, and Kai Waelti. Cable tree wiring - benchmarking solvers on a real-world scheduling problem with a variety of precedence constraints. *Constraints An Int. J.*, 26(1):56–106, 2021. URL: <https://doi.org/10.1007/s10601-021-09321-w>, doi:10.1007/S10601-021-09321-W.
- [235] Ouajdi Korbaa, Pascal Yim, and Jean-Claude Gentina. Solving transient scheduling problem for cyclic production using timed petri nets and constraint programming. In *5th European Control Conference, ECC 1999, Karlsruhe, Germany, August 31 - September 3, 1999*, pages 3938–3945. IEEE, 1999. doi:10.23919/ECC.1999.7099947.
- [236] Ouajdi Korbaa, Pascal Yim, and Jean-Claude Gentina. Solving transient scheduling problems with constraint programming. *Eur. J. Control*, 6(6):511–520, 2000. doi:10.1016/S0947-3580(00)71113-7.
- [237] Sebastian Kosch and J. Christopher Beck. A new MIP model for parallel-batch scheduling with non-identical job sizes. In Helmut Simonis, editor, *Integration of AI and OR Techniques in Constraint Programming - 11th International Conference, CPAIOR 2014, Cork, Ireland, May 19-23, 2014. Proceedings*, volume 8451 of *Lecture Notes in Computer Science*, pages 55–70. Springer, 2014. doi:10.1007/978-3-319-07046-9_5.
- [238] András Kovács and J. Christopher Beck. A global constraint for total weighted completion time for cumulative resources. *Eng. Appl. Artif. Intell.*, 21(5):691–697, 2008. URL: <https://doi.org/10.1016/j.engappai.2008.03.004>, doi:10.1016/J.ENGAPPAI.2008.03.004.

- [239] András Kovács and J. Christopher Beck. A global constraint for total weighted completion time for unary resources. *Constraints An Int. J.*, 16(1):100–123, 2011. URL: <https://doi.org/10.1007/s10601-009-9088-x>, doi:10.1007/S10601-009-9088-X.
- [240] András Kovács, Péter Egri, Tamás Kis, and József Váncza. Proterv-ii: An integrated production planning and scheduling system. In Peter van Beek, editor, *Principles and Practice of Constraint Programming - CP 2005, 11th International Conference, CP 2005, Sitges, Spain, October 1-5, 2005, Proceedings*, volume 3709 of *Lecture Notes in Computer Science*, pages 880–880. Springer, 2005. doi:10.1007/11564751_118.
- [241] András Kovács and Tamás Kis. Constraint programming approach to a bilevel scheduling problem. *Constraints An Int. J.*, 16(3):317–340, 2011. URL: <https://doi.org/10.1007/s10601-010-9102-3>, doi:10.1007/S10601-010-9102-3.
- [242] András Kovács and József Váncza. Completable partial solutions in constraint programming and constraint-based scheduling. In Mark Wallace, editor, *Principles and Practice of Constraint Programming - CP 2004, 10th International Conference, CP 2004, Toronto, Canada, September 27 - October 1, 2004, Proceedings*, volume 3258 of *Lecture Notes in Computer Science*, pages 332–346. Springer, 2004. doi:10.1007/978-3-540-30201-8_26.
- [243] András Kovács and József Váncza. Progressive solutions: A simple but efficient dominance rule for practical RCPSP. In J. Christopher Beck and Barbara M. Smith, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, Third International Conference, CPAIOR 2006, Cork, Ireland, May 31 - June 2, 2006, Proceedings*, volume 3990 of *Lecture Notes in Computer Science*, pages 139–151. Springer, 2006. doi:10.1007/11757375_13.
- [244] Benjamin Kovács, Pierre Tassel, Wolfgang Kohlenbrein, Philipp Schrott-Kostwein, and Martin Gebser. Utilizing constraint optimization for industrial machine workload balancing. In Laurent D. Michel, editor, *27th International Conference on Principles and Practice of Constraint Programming, CP 2021, Montpellier, France (Virtual Conference), October 25-29, 2021*, volume 210 of *LIPIcs*, pages 36:1–36:17. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2021. URL: <https://doi.org/10.4230/LIPIcs.CP.2021.36>, doi:10.4230/LIPICS.CP.2021.36.
- [245] Stefan Kreter, Andreas Schutt, and Peter J. Stuckey. Modeling and solving project scheduling with calendars. In Gilles Pesant, editor, *Principles and Practice of Constraint Programming - 21st International Conference, CP 2015, Cork, Ireland, August 31 - September 4, 2015, Proceedings*, volume 9255 of *Lecture Notes in Computer Science*, pages 262–278. Springer, 2015. doi:10.1007/978-3-319-23219-5_19.
- [246] Stefan Kreter, Andreas Schutt, and Peter J. Stuckey. Using constraint programming for solving rcpsp/max-cal. *Constraints An Int. J.*, 22(3):432–462, 2017. URL: <https://doi.org/10.1007/s10601-016-9266-6>, doi:10.1007/S10601-016-9266-6.
- [247] Krzysztof Kuchcinski and Christophe Wolinski. Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming. *J. Syst. Archit.*, 49(12-15):489–503, 2003. doi:10.1016/S1383-7621(03)00075-4.
- [248] T. K. Satish Kumar. Incremental computation of resource-envelopes in producer-consumer models. In Francesca Rossi, editor, *Principles and Practice of Constraint Programming - CP 2003, 9th International Conference, CP 2003, Kinsale, Ireland, September 29 - October 3, 2003, Proceedings*, volume 2833 of *Lecture Notes in Computer Science*, pages 664–678. Springer, 2003. doi:10.1007/978-3-540-45193-8_45.
- [249] Mustafa Küçük and Seyda Topaloglu Yildiz. A constraint programming approach for agile earth observation satellite scheduling problem. In *2019 9th International Conference on Recent Advances in Space Technologies (RAST)*, pages 613–617, 2019. URL: <https://api.semanticscholar.org/CorpusID:198146161>.
- [250] Philippe Laborie. IBM ILOG CP optimizer for detailed scheduling illustrated on three problems. In Willem Jan van Hoes and John N. Hooker, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 6th International Conference, CPAIOR 2009, Pittsburgh, PA, USA, May 27-31, 2009, Proceedings*, volume 5547 of *Lecture Notes in Computer Science*, pages 148–162. Springer, 2009. doi:10.1007/978-3-642-01929-6_12.

- [251] Philippe Laborie. An update on the comparison of mip, CP and hybrid approaches for mixed resource allocation and scheduling. In Willem Jan van Hoeve, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 15th International Conference, CPAIOR 2018, Delft, The Netherlands, June 26-29, 2018, Proceedings*, volume 10848 of *Lecture Notes in Computer Science*, pages 403–411. Springer, 2018. doi:10.1007/978-3-319-93031-2_29.
- [252] Philippe Laborie, Jerome Rogerie, Paul Shaw, and Petr Vilím. IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG. *Constraints An Int. J.*, 23(2):210–250, 2018. URL: <https://doi.org/10.1007/s10601-018-9281-x>, doi:10.1007/S10601-018-9281-X.
- [253] Marie-Louise Lackner, Christoph Mrkvicka, Nysret Musliu, Daniel Walkiewicz, and Felix Winter. Minimizing cumulative batch processing time for an industrial oven scheduling problem. In Laurent D. Michel, editor, *27th International Conference on Principles and Practice of Constraint Programming, CP 2021, Montpellier, France (Virtual Conference), October 25-29, 2021*, volume 210 of *LIPIcs*, pages 37:1–37:18. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2021. URL: <https://doi.org/10.4230/LIPIcs.CP.2021.37>, doi:10.4230/LIPIcs.CP.2021.37.
- [254] Marie-Louise Lackner, Christoph Mrkvicka, Nysret Musliu, Daniel Walkiewicz, and Felix Winter. Exact methods for the oven scheduling problem. *Constraints An Int. J.*, 28(2):320–361, 2023. URL: <https://doi.org/10.1007/s10601-023-09347-2>, doi:10.1007/S10601-023-09347-2.
- [255] Asma Lahimer, Pierre Lopez, and Mohamed Haouari. Climbing depth-bounded adjacent discrepancy search for solving hybrid flow shop scheduling problems with multiprocessor tasks. In Tobias Achterberg and J. Christopher Beck, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 8th International Conference, CPAIOR 2011, Berlin, Germany, May 23-27, 2011. Proceedings*, volume 6697 of *Lecture Notes in Computer Science*, pages 117–130. Springer, 2011. doi:10.1007/978-3-642-21311-3_12.
- [256] Evelina Lamma, Paola Mello, and Michela Milano. A distributed constraint-based scheduler. *Artif. Intell. Eng.*, 11(2):91–105, 1997. doi:10.1016/S0954-1810(96)00002-7.
- [257] Hoong Chuin Lau, Kong Wei Lye, and Viet Bang Nguyen. A combinatorial auction framework for solving decentralized scheduling problems (extended abstract). In Laurent Perron and Michael A. Trick, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 5th International Conference, CPAIOR 2008, Paris, France, May 20-23, 2008, Proceedings*, volume 5015 of *Lecture Notes in Computer Science*, pages 333–337. Springer, 2008. doi:10.1007/978-3-540-68155-7_33.
- [258] Colin J. Layfield. *A constraint programming pre-processor for duty scheduling*. PhD thesis, University of Leeds, UK, 2002. URL: <http://etheses.whiterose.ac.uk/1301/>.
- [259] Arnaud Letort, Nicolas Beldiceanu, and Mats Carlsson. A scalable sweep algorithm for the cumulative constraint. In Michela Milano, editor, *Principles and Practice of Constraint Programming - 18th International Conference, CP 2012, Québec City, QC, Canada, October 8-12, 2012. Proceedings*, volume 7514 of *Lecture Notes in Computer Science*, pages 439–454. Springer, 2012. doi:10.1007/978-3-642-33558-7_33.
- [260] Arnaud Letort, Mats Carlsson, and Nicolas Beldiceanu. A synchronized sweep algorithm for the k -dimensional cumulative constraint. In Carla P. Gomes and Meinolf Sellmann, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 10th International Conference, CPAIOR 2013, Yorktown Heights, NY, USA, May 18-22, 2013. Proceedings*, volume 7874 of *Lecture Notes in Computer Science*, pages 144–159. Springer, 2013. doi:10.1007/978-3-642-38171-3_10.
- [261] Arnaud Letort, Mats Carlsson, and Nicolas Beldiceanu. Synchronized sweep algorithms for scalable scheduling constraints. *Constraints An Int. J.*, 20(2):183–234, 2015. URL: <https://doi.org/10.1007/s10601-014-9172-8>, doi:10.1007/S10601-014-9172-8.

- [262] Xingyang Li, Jun Fu, Zixi Jia, Ziyan Zhao, Siyi Li, and Shixin Liu. Constraint programming for a novel integrated optimization of blocking job shop scheduling and variable-speed transfer robot assignment. In *IEEE International Conference on Networking, Sensing and Control, ICNSC 2022, Shanghai, China, December 15-18, 2022*, pages 1–6. IEEE, 2022. doi:10.1109/ICNSC55942.2022.10004158.
- [263] Olivier Liess and Philippe Michelon. A constraint programming approach for the resource-constrained project scheduling problem. *Ann. Oper. Res.*, 157(1):25–36, 2008. URL: <https://doi.org/10.1007/s10479-007-0188-y>, doi:10.1007/S10479-007-0188-Y.
- [264] Andrew Lim, Brian Rodrigues, and Zhou Xu. Solving the crane scheduling problem using intelligent search schemes. In Mark Wallace, editor, *Principles and Practice of Constraint Programming - CP 2004, 10th International Conference, CP 2004, Toronto, Canada, September 27 - October 1, 2004, Proceedings*, volume 3258 of *Lecture Notes in Computer Science*, pages 747–751. Springer, 2004. doi:10.1007/978-3-540-30201-8_59.
- [265] BoonPing Lim, Hassan L. Hijazi, Sylvie Thiébaux, and Menkes van den Briel. Online hvac-aware occupancy scheduling with adaptive temperature control. In Michel Rueher, editor, *Principles and Practice of Constraint Programming - 22nd International Conference, CP 2016, Toulouse, France, September 5-9, 2016, Proceedings*, volume 9892 of *Lecture Notes in Computer Science*, pages 683–700. Springer, 2016. doi:10.1007/978-3-319-44953-1_43.
- [266] BoonPing Lim, Menkes van den Briel, Sylvie Thiébaux, Russell Bent, and Scott Backhaus. Large neighborhood search for energy aware meeting scheduling in smart buildings. In Laurent Michel, editor, *Integration of AI and OR Techniques in Constraint Programming - 12th International Conference, CPAIOR 2015, Barcelona, Spain, May 18-22, 2015, Proceedings*, volume 9075 of *Lecture Notes in Computer Science*, pages 240–254. Springer, 2015. doi:10.1007/978-3-319-18008-3_17.
- [267] Kamol Limtanyakul. Scheduling of tests on vehicle prototypes using constraint and integer programming. In Jörg Kalcsics and Stefan Nickel, editors, *Operations Research, Proceedings 2007, Selected Papers of the Annual International Conference of the German Operations Research Society (GOR), Saarbrücken, Germany, September 5-7, 2007, Operations Research Proceedings*, pages 421–426. Springer, 2007. doi:10.1007/978-3-540-77903-2_65.
- [268] Kamol Limtanyakul and Uwe Schwiegelshohn. Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes. *Constraints An Int. J.*, 17(2):172–203, 2012. URL: <https://doi.org/10.1007/s10601-012-9118-y>, doi:10.1007/S10601-012-9118-Y.
- [269] Ke Liu, Sven Löffler, and Petra Hofstedt. Solving the talent scheduling problem by parallel constraint programming. In John MacIntyre, Ilias Maglogiannis, Lazaros S. Iliadis, and Elias Pimenidis, editors, *Artificial Intelligence Applications and Innovations - 15th IFIP WG 12.5 International Conference, AIAI 2019, Hersonissos, Crete, Greece, May 24-26, 2019, Proceedings*, volume 559 of *IFIP Advances in Information and Communication Technology*, pages 236–244. Springer, 2019. doi:10.1007/978-3-030-19823-7_19.
- [270] Tong Liu, Roberto Di Cosmo, Maurizio Gabbrielli, and Jacopo Mauro. Nightsplitter: A scheduling tool to optimize (sub)group activities. In J. Christopher Beck, editor, *Principles and Practice of Constraint Programming - 23rd International Conference, CP 2017, Melbourne, VIC, Australia, August 28 - September 1, 2017, Proceedings*, volume 10416 of *Lecture Notes in Computer Science*, pages 370–386. Springer, 2017. doi:10.1007/978-3-319-66158-2_24.
- [271] Yuechang Liu and Yunfei Jiang. LP-TPOP: integrating planning and scheduling through constraint programming. In Qiang Yang and Geoffrey I. Webb, editors, *PRICAI 2006: Trends in Artificial Intelligence, 9th Pacific Rim International Conference on Artificial Intelligence, Guilin, China, August 7-11, 2006, Proceedings*, volume 4099 of *Lecture Notes in Computer Science*, pages 844–848. Springer, 2006. doi:10.1007/11801603_92.
- [272] Michele Lombardi, Alessio Bonfietti, and Michela Milano. Deterministic estimation of the expected makespan of a POS under duration uncertainty. In Gilles Pesant, editor, *Principles and Practice of Constraint Programming - 21st International Conference, CP 2015, Cork, Ireland, August 31 - September 4, 2015, Proceedings*, volume 9255 of *Lecture Notes in Computer Science*, pages 279–294. Springer, 2015. doi:10.1007/978-3-319-23219-5_20.

- [273] Michele Lombardi, Alessio Bonfietti, Michela Milano, and Luca Benini. Precedence constraint posting for cyclic scheduling problems. In Tobias Achterberg and J. Christopher Beck, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 8th International Conference, CPAIOR 2011, Berlin, Germany, May 23-27, 2011. Proceedings*, volume 6697 of *Lecture Notes in Computer Science*, pages 137–153. Springer, 2011. doi:10.1007/978-3-642-21311-3_14.
- [274] Michele Lombardi and Michela Milano. A precedence constraint posting approach for the RCPSP with time lags and variable durations. In Ian P. Gent, editor, *Principles and Practice of Constraint Programming - CP 2009, 15th International Conference, CP 2009, Lisbon, Portugal, September 20-24, 2009, Proceedings*, volume 5732 of *Lecture Notes in Computer Science*, pages 569–583. Springer, 2009. doi:10.1007/978-3-642-04244-7_45.
- [275] Michele Lombardi and Michela Milano. Allocation and scheduling of conditional task graphs. *Artif. Intell.*, 174(7-8):500–529, 2010. URL: <https://doi.org/10.1016/j.artint.2010.02.004>, doi:10.1016/J.ARTINT.2010.02.004.
- [276] Michele Lombardi and Michela Milano. Constraint based scheduling to deal with uncertain durations and self-timed execution. In David Cohen, editor, *Principles and Practice of Constraint Programming - CP 2010 - 16th International Conference, CP 2010, St. Andrews, Scotland, UK, September 6-10, 2010. Proceedings*, volume 6308 of *Lecture Notes in Computer Science*, pages 383–397. Springer, 2010. doi:10.1007/978-3-642-15396-9_32.
- [277] Michele Lombardi and Michela Milano. A min-flow algorithm for minimal critical set detection in resource constrained project scheduling. *Artif. Intell.*, 182-183:58–67, 2012. URL: <https://doi.org/10.1016/j.artint.2011.12.001>, doi:10.1016/J.ARTINT.2011.12.001.
- [278] Michele Lombardi and Michela Milano. Optimal methods for resource allocation and scheduling: a cross-disciplinary survey. *Constraints An Int. J.*, 17(1):51–85, 2012. URL: <https://doi.org/10.1007/s10601-011-9115-6>, doi:10.1007/S10601-011-9115-6.
- [279] Michele Lombardi and Michela Milano. A min-flow algorithm for minimal critical set detection in resource constrained project scheduling. In Daniel Borrajo, Subbarao Kambhampati, Angelo Oddi, and Simone Fratini, editors, *Proceedings of the Twenty-Third International Conference on Automated Planning and Scheduling, ICAPS 2013, Rome, Italy, June 10-14, 2013*. AAAI, 2013. URL: <http://www.aaai.org/ocs/index.php/ICAPS/ICAPS13/paper/view/6052>.
- [280] Tony Minoru Tamura Lopes, André A. Ciré, Cid Carvalho de Souza, and Arnaldo Vieira Moura. A hybrid model for a multiproduct pipeline planning and scheduling problem. *Constraints An Int. J.*, 15(2):151–189, 2010. URL: <https://doi.org/10.1007/s10601-009-9086-z>, doi:10.1007/S10601-009-9086-Z.
- [281] Pierre Lopez, Hassane Alla, Ouajdi Korbaa, Pascal Yim, and Jean-Claude Gentina. Discussion on: 'solving transient scheduling problems with constraint programming' by o. korbaa, p. yim, and J.-C. gentina. *Eur. J. Control*, 6(6):521–524, 2000. doi:10.1016/S0947-3580(00)71114-9.
- [282] Thomas Lorigeon, Jean-Charles Billaut, and Jean-Louis Bouquard. A dynamic programming algorithm for scheduling jobs in a two-machine open shop with an availability constraint. *J. Oper. Res. Soc.*, 53(11):1239–1246, 2002. URL: <https://doi.org/10.1057/palgrave.jors.2601421>, doi:10.1057/PALGRAVE.JORS.2601421.
- [283] Willian T. Lunardi, Ernesto G. Birgin, Philippe Laborie, Débora P. Ronconi, and Holger Voos. Mixed integer linear programming and constraint programming models for the online printing shop scheduling problem. *Comput. Oper. Res.*, 123:105020, 2020. URL: <https://doi.org/10.1016/j.cor.2020.105020>, doi:10.1016/J.COR.2020.105020.
- [284] Willian Tessaro Lunardi. *A Real-World Flexible Job Shop Scheduling Problem With Sequencing Flexibility: Mathematical Programming, Constraint Programming, and Metaheuristics*. PhD thesis, University of Luxembourg, Luxembourg City, Luxembourg, 2020. URL: <http://orbilu.uni.lu/handle/10993/43893>.

- [285] Yiqing L. Luo and J. Christopher Beck. Packing by scheduling: Using constraint programming to solve a complex 2d cutting stock problem. In Pierre Schaus, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 19th International Conference, CPAIOR 2022, Los Angeles, CA, USA, June 20-23, 2022, Proceedings*, volume 13292 of *Lecture Notes in Computer Science*, pages 249–265. Springer, 2022. doi:10.1007/978-3-031-08011-1_17.
- [286] Gilles Madi-Wamba and Nicolas Beldiceanu. The taskintersection constraint. In Claude-Guy Quimper, editor, *Integration of AI and OR Techniques in Constraint Programming - 13th International Conference, CPAIOR 2016, Banff, AB, Canada, May 29 - June 1, 2016, Proceedings*, volume 9676 of *Lecture Notes in Computer Science*, pages 246–261. Springer, 2016. doi:10.1007/978-3-319-33954-2_18.
- [287] Gilles Madi-Wamba, Yunbo Li, Anne-Cécile Orgerie, Nicolas Beldiceanu, and Jean-Marc Menaud. Green energy aware scheduling problem in virtualized datacenters. In *23rd IEEE International Conference on Parallel and Distributed Systems, ICPADS 2017, Shenzhen, China, December 15-17, 2017*, pages 648–655. IEEE Computer Society, 2017. doi:10.1109/ICPADS.2017.00089.
- [288] Kai-Ling Mak, Jun Ma, and Wei Su. A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems. In *Sixth International Conference on Natural Computation, ICNC 2010, Yantai, Shandong, China, 10-12 August 2010*, pages 4440–4444. IEEE, 2010. doi:10.1109/ICNC.2010.5583494.
- [289] Arnaud Malapert and Margaux Nattaf. A new cp-approach for a parallel machine scheduling problem with time constraints on machine qualifications. In Louis-Martin Rousseau and Kostas Stergiou, editors, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 16th International Conference, CPAIOR 2019, Thessaloniki, Greece, June 4-7, 2019, Proceedings*, volume 11494 of *Lecture Notes in Computer Science*, pages 426–442. Springer, 2019. doi:10.1007/978-3-030-19212-9_28.
- [290] Abid M. Malik. *Constraint Programming Techniques for Optimal Instruction Scheduling*. PhD thesis, University of Waterloo, Ontario, Canada, 2008. URL: <https://hdl.handle.net/10012/3612>.
- [291] Abid M. Malik, Jim McInnes, and Peter van Beek. Optimal basic block instruction scheduling for multiple-issue processors using constraint programming. *Int. J. Artif. Intell. Tools*, 17(1):37–54, 2008. doi:10.1142/S0218213008003765.
- [292] Christos T. Maravelias and Ignacio E. Grossmann. Using MILP and CP for the scheduling of batch chemical processes. In Jean-Charles Régim and Michel Rueher, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, First International Conference, CPAIOR 2004, Nice, France, April 20-22, 2004, Proceedings*, volume 3011 of *Lecture Notes in Computer Science*, pages 1–20. Springer, 2004. doi:10.1007/978-3-540-24664-0_1.
- [293] Fae Martin, Arthur Pinkney, and Xinghuo Yu. Cane railway scheduling via constraint logic programming: Labelling order and constraints in a real-life application. *Ann. Oper. Res.*, 108(1-4):193–209, 2001. doi:10.1023/A:1016067230126.
- [294] Andrew J. Mason. Elastic constraint branching, the wedelin/carmen lagrangian heuristic and integer programming for personnel scheduling. *Ann. Oper. Res.*, 108(1-4):239–276, 2001. doi:10.1023/A:1016023415105.
- [295] Zahra Mehdizadeh-Somarin, Reza Tavakkoli-Moghaddam, Mohammad Rohaninejad, Zdenek Hanzálek, and Behdin Vahedi Nouri. A constraint programming model for a reconfigurable job shop scheduling problem with machine availability. In Erlend Alfnes, Anita Romsdal, Jan Ola Strandhagen, Gregor von Cieminski, and David Romero, editors, *Advances in Production Management Systems. Production Management Systems for Responsible Manufacturing, Service, and Logistics Futures - IFIP WG 5.7 International Conference, APMS 2023, Trondheim, Norway, September 17-21, 2023, Proceedings, Part III*, volume 691 of *IFIP Advances in Information and Communication Technology*, pages 477–490. Springer, 2023. doi:10.1007/978-3-031-43670-3_33.

- [296] Julien Menana. *Automates et programmation par contraintes pour la planification de personnel. (Automata and Constraint Programming for Personnel Scheduling Problems)*. PhD thesis, University of Nantes, France, 2011. URL: <https://tel.archives-ouvertes.fr/tel-00785838>.
- [297] Leilei Meng, Chaoyong Zhang, Yaping Ren, Biao Zhang, and Chang Lv. Mixed-integer linear programming and constraint programming formulations for solving distributed flexible job shop scheduling problem. *Comput. Ind. Eng.*, 142:106347, 2020. URL: <https://doi.org/10.1016/j.cie.2020.106347>, doi: 10.1016/J.CIE.2020.106347.
- [298] Alexandre Mercier-Aubin, Jonathan Gaudreault, and Claude-Guy Quimper. Leveraging constraint scheduling: A case study to the textile industry. In Emmanuel Hebrard and Nysret Musliu, editors, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 17th International Conference, CPAIOR 2020, Vienna, Austria, September 21-24, 2020, Proceedings*, volume 12296 of *Lecture Notes in Computer Science*, pages 334–346. Springer, 2020. doi:10.1007/978-3-030-58942-4_22.
- [299] Michael D. Moffitt, Bart Peintner, and Martha E. Pollack. Augmenting disjunctive temporal problems with finite-domain constraints. In Manuela M. Veloso and Subbarao Kambhampati, editors, *Proceedings, The Twentieth National Conference on Artificial Intelligence and the Seventeenth Innovative Applications of Artificial Intelligence Conference, July 9-13, 2005, Pittsburgh, Pennsylvania, USA*, pages 1187–1192. AAAI Press / The MIT Press, 2005. URL: <http://www.aaai.org/Library/AAAI/2005/aaai05-188.php>.
- [300] Mahdi Mokhtarzadeh, Reza Tavakkoli-Moghaddam, Behdin Vahedi Nouri, and Azadeh Farsi. Scheduling of human-robot collaboration in assembly of printed circuit boards: a constraint programming approach. *Int. J. Comput. Integr. Manuf.*, 33(5):460–473, 2020. doi:10.1080/0951192X.2020.1736713.
- [301] Jean-Noël Monette, Yves Deville, and Pierre Dupont. A position-based propagator for the open-shop problem. In Pascal Van Hentenryck and Laurence A. Wolsey, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 4th International Conference, CPAIOR 2007, Brussels, Belgium, May 23-26, 2007, Proceedings*, volume 4510 of *Lecture Notes in Computer Science*, pages 186–199. Springer, 2007. doi: 10.1007/978-3-540-72397-4_14.
- [302] Jean-Noël Monette, Yves Deville, and Pascal Van Hentenryck. Just-in-time scheduling with constraint programming. In Alfonso Gerevini, Adele E. Howe, Amedeo Cesta, and Ioannis Refanidis, editors, *Proceedings of the 19th International Conference on Automated Planning and Scheduling, ICAPS 2009, Thessaloniki, Greece, September 19-23, 2009*. AAAI, 2009. URL: <http://aaai.org/ocs/index.php/ICAPS/ICAPS09/paper/view/712>.
- [303] Roberto Montemanni and Mauro Dell’Amico. Constraint programming models for the parallel drone scheduling vehicle routing problem. *EURO J. Comput. Optim.*, 11:100078, 2023. URL: <https://doi.org/10.1016/j.ejco.2023.100078>, doi:10.1016/J.EJCO.2023.100078.
- [304] Roberto Montemanni and Mauro Dell’Amico. Solving the parallel drone scheduling traveling salesman problem via constraint programming. *Algorithms*, 16(1):40, 2023. URL: <https://doi.org/10.3390/a16010040>, doi:10.3390/A16010040.
- [305] Morten Mossige, Arnaud Gotlieb, Helge Spieker, Hein Meling, and Mats Carlsson. Time-aware test case execution scheduling for cyber-physical systems. In J. Christopher Beck, editor, *Principles and Practice of Constraint Programming - 23rd International Conference, CP 2017, Melbourne, VIC, Australia, August 28 - September 1, 2017, Proceedings*, volume 10416 of *Lecture Notes in Computer Science*, pages 387–404. Springer, 2017. doi:10.1007/978-3-319-66158-2_25.
- [306] Arnaldo Vieira Moura, Cid C. de Souza, André A. Ciré, and Tony Minoru Tamura Lopes. Heuristics and constraint programming hybridizations for a real pipeline planning and scheduling problem. In *Proceedings of the 11th IEEE International Conference on Computational Science and Engineering, CSE 2008, São Paulo, SP, Brazil, July 16-18, 2008*, pages 455–462. IEEE Computer Society, 2008. doi:10.1109/CSE.2008.24.

- [307] Arnaldo Vieira Moura, Cid C. de Souza, André A. Ciré, and Tony Minoru Tamura Lopes. Planning and scheduling the operation of a very large oil pipeline network. In Peter J. Stuckey, editor, *Principles and Practice of Constraint Programming, 14th International Conference, CP 2008, Sydney, Australia, September 14-18, 2008. Proceedings*, volume 5202 of *Lecture Notes in Computer Science*, pages 36–51. Springer, 2008. doi:10.1007/978-3-540-85958-1_3.
- [308] David Müller, Marcus Gerhard Müller, Dominik Kress, and Erwin Pesch. An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning. *Eur. J. Oper. Res.*, 302(3):874–891, 2022. URL: <https://doi.org/10.1016/j.ejor.2022.01.034>, doi:10.1016/J.EJOR.2022.01.034.
- [309] Stanislav Murín and Hana Rudová. Scheduling of mobile robots using constraint programming. In Thomas Schiex and Simon de Givry, editors, *Principles and Practice of Constraint Programming - 25th International Conference, CP 2019, Stamford, CT, USA, September 30 - October 4, 2019, Proceedings*, volume 11802 of *Lecture Notes in Computer Science*, pages 456–471. Springer, 2019. doi:10.1007/978-3-030-30048-7_27.
- [310] Seán Óg Murphy, Oscar Manzano, and Kenneth N. Brown. Design and evaluation of a constraint-based energy saving and scheduling recommender system. In Gilles Pesant, editor, *Principles and Practice of Constraint Programming - 21st International Conference, CP 2015, Cork, Ireland, August 31 - September 4, 2015, Proceedings*, volume 9255 of *Lecture Notes in Computer Science*, pages 687–703. Springer, 2015. doi:10.1007/978-3-319-23219-5_47.
- [311] Nicola Muscettola. Computing the envelope for stepwise-constant resource allocations. In Pascal Van Hentenryck, editor, *Principles and Practice of Constraint Programming - CP 2002, 8th International Conference, CP 2002, Ithaca, NY, USA, September 9-13, 2002, Proceedings*, volume 2470 of *Lecture Notes in Computer Science*, pages 139–154. Springer, 2002. doi:10.1007/3-540-46135-3_10.
- [312] Bahman Naderi, Rubén Ruiz, and Vahid Roshanaei. Mixed-integer programming vs. constraint programming for shop scheduling problems: New results and outlook. *INFORMS Journal on Computing*, 35(4):817–843, 2023. arXiv:<https://doi.org/10.1287/ijoc.2023.1287>, doi:10.1287/ijoc.2023.1287.
- [313] Margaux Nattaf, Christian Artigues, and Pierre Lopez. A hybrid exact method for a scheduling problem with a continuous resource and energy constraints. *Constraints An Int. J.*, 20(3):304–324, 2015. URL: <https://doi.org/10.1007/s10601-015-9192-z>, doi:10.1007/S10601-015-9192-Z.
- [314] Margaux Nattaf, Christian Artigues, and Pierre Lopez. Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions. *Constraints An Int. J.*, 22(4):530–547, 2017. URL: <https://doi.org/10.1007/s10601-017-9271-4>, doi:10.1007/S10601-017-9271-4.
- [315] Margaux Nattaf and Arnaud Malapert. Filtering rules for flow time minimization in a parallel machine scheduling problem. In Helmut Simonis, editor, *Principles and Practice of Constraint Programming - 26th International Conference, CP 2020, Louvain-la-Neuve, Belgium, September 7-11, 2020, Proceedings*, volume 12333 of *Lecture Notes in Computer Science*, pages 462–477. Springer, 2020. doi:10.1007/978-3-030-58475-7_27.
- [316] Su Nguyen, Dhananjay R. Thiruvady, Yuan Sun, and Mengjie Zhang. Genetic-based constraint programming for resource constrained job scheduling. *CoRR*, abs/2402.00459, 2024. URL: <https://doi.org/10.48550/arXiv.2402.00459>, arXiv:2402.00459, doi:10.48550/ARXIV.2402.00459.
- [317] Hiroki Nishikawa, Kana Shimada, Ittetsu Taniguchi, and Hiroyuki Tomiyama. Scheduling of malleable fork-join tasks with constraint programming. In *Sixth International Symposium on Computing and Networking, CANDAR 2018, Takayama, Japan, November 23-27, 2018*, pages 133–138. IEEE Computer Society, 2018. doi:10.1109/CANDAR.2018.00025.
- [318] Hiroki Nishikawa, Kana Shimada, Ittetsu Taniguchi, and Hiroyuki Tomiyama. Scheduling of malleable tasks based on constraint programming. In *TENCON 2018 - 2018 IEEE Region 10 Conference, Jeju, South Korea, October 28-31, 2018*, pages 1493–1498. IEEE, 2018. doi:10.1109/TENCON.2018.8650168.
- [319] Hiroki Nishikawa, Kana Shimada, Ittetsu Taniguchi, and Hiroyuki Tomiyama. A constraint programming approach to scheduling of malleable tasks. *Int. J. Netw. Comput.*, 9(2):131–146, 2019. URL: <http://www.ijnc.org/index.php/ijnc/article/view/201>.

- [320] Franco M. Novara, Juan M. Novas, and Gabriela P. Henning. A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation. *Comput. Chem. Eng.*, 93:101–117, 2016. URL: <https://doi.org/10.1016/j.compchemeng.2016.04.030>, doi:10.1016/J.COMPCHENG.2016.04.030.
- [321] Juan M. Novas. Production scheduling and lot streaming at flexible job-shops environments using constraint programming. *Comput. Ind. Eng.*, 136:252–264, 2019. URL: <https://doi.org/10.1016/j.cie.2019.07.011>, doi:10.1016/J.CIE.2019.07.011.
- [322] Juan M. Novas and Gabriela P. Henning. Reactive scheduling framework based on domain knowledge and constraint programming. *Comput. Chem. Eng.*, 34(12):2129–2148, 2010. URL: <https://doi.org/10.1016/j.compchemeng.2010.07.011>, doi:10.1016/J.COMPCHENG.2010.07.011.
- [323] Juan M. Novas and Gabriela P. Henning. A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations. *Comput. Chem. Eng.*, 42:189–205, 2012. URL: <https://doi.org/10.1016/j.compchemeng.2012.01.005>, doi:10.1016/J.COMPCHENG.2012.01.005.
- [324] Juan M. Novas and Gabriela P. Henning. Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming. *Expert Syst. Appl.*, 41(5):2286–2299, 2014. URL: <https://doi.org/10.1016/j.eswa.2013.09.026>, doi:10.1016/J.ESWA.2013.09.026.
- [325] W. P. M. Nuijten and Emile H. L. Aarts. Constraint satisfaction for multiple capacitated job shop scheduling. In Anthony G. Cohn, editor, *Proceedings of the Eleventh European Conference on Artificial Intelligence, Amsterdam, The Netherlands, August 8-12, 1994*, pages 635–639. John Wiley and Sons, Chichester, 1994.
- [326] Wim Nuijten and Claude Le Pape. Constraint-based job shop scheduling with \sc ilog scheduler. *J. Heuristics*, 3(4):271–286, 1998. doi:10.1023/A:1009687210594.
- [327] Angelo Oddi, Nicola Policella, Amedeo Cesta, and Gabriella Cortellessa. Generating high quality schedules for a spacecraft memory downlink problem. In Francesca Rossi, editor, *Principles and Practice of Constraint Programming - CP 2003, 9th International Conference, CP 2003, Kinsale, Ireland, September 29 - October 3, 2003, Proceedings*, volume 2833 of *Lecture Notes in Computer Science*, pages 570–584. Springer, 2003. doi:10.1007/978-3-540-45193-8_39.
- [328] Pierre Ouellet and Claude-Guy Quimper. Time-table extended-edge-finding for the cumulative constraint. In Christian Schulte, editor, *Principles and Practice of Constraint Programming - 19th International Conference, CP 2013, Uppsala, Sweden, September 16-20, 2013. Proceedings*, volume 8124 of *Lecture Notes in Computer Science*, pages 562–577. Springer, 2013. doi:10.1007/978-3-642-40627-0_42.
- [329] Yanick Ouellet and Claude-Guy Quimper. A $o(n \log^2 n)$ checker and $o(n^2 \log n)$ filtering algorithm for the energetic reasoning. In Willem Jan van Hoeve, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 15th International Conference, CPAIOR 2018, Delft, The Netherlands, June 26-29, 2018, Proceedings*, volume 10848 of *Lecture Notes in Computer Science*, pages 477–494. Springer, 2018. doi:10.1007/978-3-319-93031-2_34.
- [330] Yanick Ouellet and Claude-Guy Quimper. A mincumulative resource constraint. In Pierre Schaus, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 19th International Conference, CPAIOR 2022, Los Angeles, CA, USA, June 20-23, 2022, Proceedings*, volume 13292 of *Lecture Notes in Computer Science*, pages 318–334. Springer, 2022. doi:10.1007/978-3-031-08011-1_21.
- [331] Soukaina Oujana, Lionel Amodeo, Farouk Yalaoui, and D. Brodard. Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company. In *8th International Conference on Control, Decision and Information Technologies, CoDIT 2022, Istanbul, Turkey, May 17-20, 2022*, pages 106–111. IEEE, 2022. URL: <https://doi.org/10.1109/CoDIT55151.2022.9803972>, doi:10.1109/CODIT55151.2022.9803972.
- [332] Cemalettin Öztürk, Semra Tunali, Brahim Hnich, and M. Arslan Ornek. Balancing and scheduling of flexible mixed model assembly lines. *Constraints An Int. J.*, 18(3):434–469, 2013. URL: <https://doi.org/10.1007/s10601-013-9142-6>, doi:10.1007/S10601-013-9142-6.

- [333] Vaibhav Pandey and Poonam Saini. Constraint programming versus heuristic approach to mapreduce scheduling problem in hadoop YARN for energy minimization. *J. Supercomput.*, 77(7):6788–6816, 2021. URL: <https://doi.org/10.1007/s11227-020-03516-3>, doi:10.1007/S11227-020-03516-3.
- [334] Claude Le Pape and Philippe Baptiste. A constraint programming library for preemptive and non-preemptive scheduling. In Mark Wallace, editor, *Proceedings of the Third International Conference on the Practical Application of Constraint Technology, PACT 1997, Westminster Central Hall, London, UK, April 23-25, 1997*, pages 237–256. Practical Application Company Ltd., 1997.
- [335] Claude Le Pape and Philippe Baptiste. Resource constraints for preemptive job-shop scheduling. *Constraints An Int. J.*, 3(4):263–287, 1998. doi:10.1023/A:1009723704757.
- [336] Hoonseok Park, Jumyung Um, Jae-Yoon Jung, and Martin Ruskowski. Developing a production scheduling system for modular factory using constraint programming. In Karsten Berns and Daniel Görges, editors, *Advances in Service and Industrial Robotics - Proceedings of the 28th International Conference on Robotics in Alpe-Adria-Danube Region, RAAD 2019, Kaiserslautern, Germany, June 19-21, 2019*, volume 980 of *Advances in Intelligent Systems and Computing*, pages 126–133. Springer, 2019. doi:10.1007/978-3-030-19648-6_15.
- [337] Joseph C. Pemberton and Flavius Galiber III. A constraint-based approach to satellite scheduling. In Eugene C. Freuder and Richard J. Wallace, editors, *Constraint Programming and Large Scale Discrete Optimization, Proceedings of a DIMACS Workshop, Princeton, New Jersey, USA, September 14-17, 1998*, volume 57 of *DIMACS Series in Discrete Mathematics and Theoretical Computer Science*, pages 101–114. DIMACS/AMS, 1998. URL: <https://doi.org/10.1090/dimacs/057/06>, doi:10.1090/DIMACS/057/06.
- [338] Guillaume Perez, Gaël Glorian, Wijnand Suijlen, and Arnaud Lallouet. A constraint programming model for scheduling the unloading of trains in ports. In *35th IEEE International Conference on Tools with Artificial Intelligence, ICTAI 2023, Atlanta, GA, USA, November 6-8, 2023*, pages 693–699. IEEE, 2023. doi:10.1109/ICTAI59109.2023.00108.
- [339] Guillaume Perez, Gael Glorian, Wijnand Suijlen, and Arnaud Lallouet. A constraint programming model for scheduling the unloading of trains in ports: Extended. *CoRR*, abs/2312.13682, 2023. URL: <https://doi.org/10.48550/arXiv.2312.13682>, arXiv:2312.13682, doi:10.48550/ARXIV.2312.13682.
- [340] Gilles Pesant, Gregory Rix, and Louis-Martin Rousseau. A comparative study of MIP and CP formulations for the B2B scheduling optimization problem. In Laurent Michel, editor, *Integration of AI and OR Techniques in Constraint Programming - 12th International Conference, CPAIOR 2015, Barcelona, Spain, May 18-22, 2015, Proceedings*, volume 9075 of *Lecture Notes in Computer Science*, pages 306–321. Springer, 2015. doi:10.1007/978-3-319-18008-3_21.
- [341] Thierry Petit and Emmanuel Poder. The soft cumulative constraint. *CoRR*, abs/0907.0939, 2009. URL: <http://arxiv.org/abs/0907.0939>, arXiv:0907.0939.
- [342] Emmanuel Poder and Nicolas Beldiceanu. Filtering for a continuous multi-resources cumulative constraint with resource consumption and production. In Jussi Rintanen, Bernhard Nebel, J. Christopher Beck, and Eric A. Hansen, editors, *Proceedings of the Eighteenth International Conference on Automated Planning and Scheduling, ICAPS 2008, Sydney, Australia, September 14-18, 2008*, pages 264–271. AAAI, 2008. URL: <http://www.aaai.org/Library/ICAPS/2008/icaps08-033.php>.
- [343] Emmanuel Poder, Nicolas Beldiceanu, and Eric Sanlaville. Computing a lower approximation of the compulsory part of a task with varying duration and varying resource consumption. *Eur. J. Oper. Res.*, 153(1):239–254, 2004. doi:10.1016/S0377-2217(02)00756-7.
- [344] Maximilian Pohl, Christian Artigues, and Rainer Kolisch. Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach. *Eur. J. Oper. Res.*, 299(2):674–689, 2022. URL: <https://doi.org/10.1016/j.ejor.2021.08.028>, doi:10.1016/J.EJOR.2021.08.028.

- [345] Oliver Polo-Mejía, Christian Artigues, Pierre Lopez, and Virginie Basini. Mixed-integer/linear and constraint programming approaches for activity scheduling in a nuclear research facility. *Int. J. Prod. Res.*, 58(23):7149–7166, 2020. doi:10.1080/00207543.2019.1693654.
- [346] Louis Popovic, Alain Côté, Mohamed Gaha, Franklin Nguewouo, and Quentin Cappart. Scheduling the equipment maintenance of an electric power transmission network using constraint programming. In Christine Solnon, editor, *28th International Conference on Principles and Practice of Constraint Programming, CP 2022, July 31 to August 8, 2022, Haifa, Israel*, volume 235 of *LIPIcs*, pages 34:1–34:15. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2022. URL: <https://doi.org/10.4230/LIPIcs.CP.2022.34>, doi:10.4230/LIPIcs.CP.2022.34.
- [347] Shahrzad M. Pour, John H. Drake, Lena Secher Ejlersen, Kourosh Marjani Rasmussen, and Edmund K. Burke. A hybrid constraint programming/mixed integer programming framework for the preventive signaling maintenance crew scheduling problem. *Eur. J. Oper. Res.*, 269(1):341–352, 2018. URL: <https://doi.org/10.1016/j.ejor.2017.08.033>, doi:10.1016/J.EJOR.2017.08.033.
- [348] Guillaume Pováda, Nahum Álvarez, and Christian Artigues. Partially preemptive multi skill/mode resource-constrained project scheduling with generalized precedence relations and calendars. In Roland H. C. Yap, editor, *29th International Conference on Principles and Practice of Constraint Programming, CP 2023, August 27-31, 2023, Toronto, Canada*, volume 280 of *LIPIcs*, pages 31:1–31:21. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2023. URL: <https://doi.org/10.4230/LIPIcs.CP.2023.31>, doi:10.4230/LIPIcs.CP.2023.31.
- [349] Cédric Pralet. An incomplete constraint-based system for scheduling with renewable resources. In J. Christopher Beck, editor, *Principles and Practice of Constraint Programming - 23rd International Conference, CP 2017, Melbourne, VIC, Australia, August 28 - September 1, 2017, Proceedings*, volume 10416 of *Lecture Notes in Computer Science*, pages 243–261. Springer, 2017. doi:10.1007/978-3-319-66158-2_16.
- [350] Cédric Pralet, Solange Lemai-Chenevier, and Jean Jaubert. Scheduling running modes of satellite instruments using constraint-based local search. In Gilles Pesant, editor, *Principles and Practice of Constraint Programming - 21st International Conference, CP 2015, Cork, Ireland, August 31 - September 4, 2015, Proceedings*, volume 9255 of *Lecture Notes in Computer Science*, pages 704–719. Springer, 2015. doi:10.1007/978-3-319-23219-5_48.
- [351] Bruno A. Prata, Levi R. Abreu, and Marcelo S. Nagano. Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis. *Results in Control and Optimization*, 14:100350, 2024. URL: <https://www.sciencedirect.com/science/article/pii/S2666720723001522>, doi: <https://doi.org/10.1016/j.rico.2023.100350>.
- [352] Jean-Francois Puget. Applications of constraint programming. In Ugo Montanari and Francesca Rossi, editors, *Principles and Practice of Constraint Programming - CP'95, First International Conference, CP'95, Cassis, France, September 19-22, 1995, Proceedings*, volume 976 of *Lecture Notes in Computer Science*, pages 647–650. Springer, 1995. doi:10.1007/3-540-60299-2_43.
- [353] Ming Qin, Runsen Wang, Zhongshun Shi, Lingxuan Liu, and Leyuan Shi. A genetic programming-based scheduling approach for hybrid flow shop with a batch processor and waiting time constraint. *IEEE Trans Autom. Sci. Eng.*, 18(1):94–105, 2021. doi:10.1109/TASE.2019.2947398.
- [354] Tianbao Qin, Yuquan Du, Jiang Hang Chen, and Mei Sha. Combining mixed integer programming and constraint programming to solve the integrated scheduling problem of container handling operations of a single vessel. *Eur. J. Oper. Res.*, 285(3):884–901, 2020. URL: <https://doi.org/10.1016/j.ejor.2020.02.021>, doi:10.1016/J.EJOR.2020.02.021.
- [355] Yang Qu, Juha-Pekka Soininen, and Jari Nurmi. Using constraint programming to achieve optimal prefetch scheduling for dependent tasks on run-time reconfigurable devices. In *International Symposium on System-on-Chip, SoC 2006, Tampere, Finland, November 13-16, 2006*, pages 1–4. IEEE, 2006. doi:10.1109/ISSOC.2006.321973.

- [356] Oscar Quiroga, Luis Zeballos, and Gabriela P. Henning. A constraint programming approach to tool allocation and resource scheduling in FMS. In *Proceedings of the 2005 IEEE International Conference on Robotics and Automation, ICRA 2005, April 18-22, 2005, Barcelona, Spain*, pages 3715–3720. IEEE, 2005. doi:10.1109/ROBOT.2005.1570686.
- [357] Andrea Rendl, Matthias Prandtstetter, Gerhard Hiermann, Jakob Puchinger, and Günther R. Raidl. Hybrid heuristics for multimodal homecare scheduling. In Nicolas Beldiceanu, Narendra Jussien, and Eric Pinson, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 9th International Conference, CPAIOR 2012, Nantes, France, May 28 - June 1, 2012. Proceedings*, volume 7298 of *Lecture Notes in Computer Science*, pages 339–355. Springer, 2012. doi:10.1007/978-3-642-29828-8_22.
- [358] Vahid Riahi, M. A. Hakim Newton, Kaile Su, and Abdul Sattar. Local search for flowshops with setup times and blocking constraints. In Mathijs de Weerdt, Sven Koenig, Gabriele Röger, and Matthijs T. J. Spaan, editors, *Proceedings of the Twenty-Eighth International Conference on Automated Planning and Scheduling, ICAPS 2018, Delft, The Netherlands, June 24-29, 2018*, pages 199–207. AAAI Press, 2018. URL: <https://aaai.org/ocs/index.php/ICAPS/ICAPS18/paper/view/17755>.
- [359] Robert Rodosek and Mark Wallace. A generic model and hybrid algorithm for hoist scheduling problems. In Michael J. Maher and Jean-Francois Puget, editors, *Principles and Practice of Constraint Programming - CP98, 4th International Conference, Pisa, Italy, October 26-30, 1998, Proceedings*, volume 1520 of *Lecture Notes in Computer Science*, pages 385–399. Springer, 1998. doi:10.1007/3-540-49481-2_28.
- [360] Roberto Rossi, Armagan Tarim, Brahim Hnich, and Steven D. Prestwich. Replenishment planning for stochastic inventory systems with shortage cost. In Pascal Van Hentenryck and Laurence A. Wolsey, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 4th International Conference, CPAIOR 2007, Brussels, Belgium, May 23-26, 2007, Proceedings*, volume 4510 of *Lecture Notes in Computer Science*, pages 229–243. Springer, 2007. doi:10.1007/978-3-540-72397-4_17.
- [361] Martino Ruggiero, Davide Bertozzi, Luca Benini, Michela Milano, and Alexandru Andrei. Reducing the abstraction and optimality gaps in the allocation and scheduling for variable voltage/frequency mpsoe platforms. *IEEE Trans. Comput. Aided Des. Integr. Circuits Syst.*, 28(3):378–391, 2009. doi:10.1109/TCAD.2009.2013536.
- [362] David Sacramento, Christine Solnon, and David Pisinger. Constraint programming and local search heuristic: a matheuristic approach for routing and scheduling feeder vessels in multi-terminal ports. *Oper. Res. Forum*, 1(4), 2020. URL: <https://doi.org/10.1007/s43069-020-00036-x>, doi:10.1007/s43069-020-00036-x.
- [363] Ruslan Sadykov. A hybrid branch-and-cut algorithm for the one-machine scheduling problem. In Jean-Charles Régin and Michel Rueher, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, First International Conference, CPAIOR 2004, Nice, France, April 20-22, 2004, Proceedings*, volume 3011 of *Lecture Notes in Computer Science*, pages 409–415. Springer, 2004. doi:10.1007/978-3-540-24664-0_31.
- [364] Ruslan Sadykov and Laurence A. Wolsey. Integer programming and constraint programming in solving a multimachine assignment scheduling problem with deadlines and release dates. *INFORMS J. Comput.*, 18(2):209–217, 2006. URL: <https://doi.org/10.1287/ijoc.1040.0110>, doi:10.1287/IJOC.1040.0110.
- [365] Hani El Sakkout and Mark Wallace. Probe backtrack search for minimal perturbation in dynamic scheduling. *Constraints An Int. J.*, 5(4):359–388, 2000. doi:10.1023/A:1009856210543.
- [366] Pierre Schaus, Pascal Van Hentenryck, Jean-Noël Monette, Carleton Coffrin, Laurent Michel, and Yves Deville. Solving steel mill slab problems with constraint-based techniques: Cp, Ins, and CBLS. *Constraints An Int. J.*, 16(2):125–147, 2011. URL: <https://doi.org/10.1007/s10601-010-9100-5>, doi:10.1007/s10601-010-9100-5.

- [367] Klaus Schild and Jörg Würtz. Scheduling of time-triggered real-time systems. *Constraints An Int. J.*, 5(4):335–357, 2000. doi:10.1023/A:1009804226473.
- [368] Andreas Schutt, Geoffrey Chu, Peter J. Stuckey, and Mark G. Wallace. Maximising the net present value for resource-constrained project scheduling. In Nicolas Beldiceanu, Narendra Jussien, and Eric Pinson, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 9th International Conference, CPAIOR 2012, Nantes, France, May 28 - June 1, 2012. Proceedings*, volume 7298 of *Lecture Notes in Computer Science*, pages 362–378. Springer, 2012. doi:10.1007/978-3-642-29828-8_24.
- [369] Andreas Schutt, Thibaut Feydy, and Peter J. Stuckey. Explaining time-table-edge-finding propagation for the cumulative resource constraint. In Carla P. Gomes and Meinolf Sellmann, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 10th International Conference, CPAIOR 2013, Yorktown Heights, NY, USA, May 18-22, 2013. Proceedings*, volume 7874 of *Lecture Notes in Computer Science*, pages 234–250. Springer, 2013. doi:10.1007/978-3-642-38171-3_16.
- [370] Andreas Schutt, Thibaut Feydy, and Peter J. Stuckey. Scheduling optional tasks with explanation. In Christian Schulte, editor, *Principles and Practice of Constraint Programming - 19th International Conference, CP 2013, Uppsala, Sweden, September 16-20, 2013. Proceedings*, volume 8124 of *Lecture Notes in Computer Science*, pages 628–644. Springer, 2013. doi:10.1007/978-3-642-40627-0_47.
- [371] Andreas Schutt, Thibaut Feydy, Peter J. Stuckey, and Mark Wallace. Why cumulative decomposition is not as bad as it sounds. In Ian P. Gent, editor, *Principles and Practice of Constraint Programming - CP 2009, 15th International Conference, CP 2009, Lisbon, Portugal, September 20-24, 2009, Proceedings*, volume 5732 of *Lecture Notes in Computer Science*, pages 746–761. Springer, 2009. doi:10.1007/978-3-642-04244-7_58.
- [372] Andreas Schutt, Thibaut Feydy, Peter J. Stuckey, and Mark G. Wallace. Explaining the cumulative propagator. *Constraints An Int. J.*, 16(3):250–282, 2011. URL: <https://doi.org/10.1007/s10601-010-9103-2>, doi:10.1007/S10601-010-9103-2.
- [373] Andreas Schutt and Peter J. Stuckey. Explaining producer/consumer constraints. In Michel Rueher, editor, *Principles and Practice of Constraint Programming - 22nd International Conference, CP 2016, Toulouse, France, September 5-9, 2016, Proceedings*, volume 9892 of *Lecture Notes in Computer Science*, pages 438–454. Springer, 2016. doi:10.1007/978-3-319-44953-1_28.
- [374] Andreas Schutt and Armin Wolf. A new $O(n^2 \log n)$ not-first/not-last pruning algorithm for cumulative resource constraints. In David Cohen, editor, *Principles and Practice of Constraint Programming - CP 2010 - 16th International Conference, CP 2010, St. Andrews, Scotland, UK, September 6-10, 2010. Proceedings*, volume 6308 of *Lecture Notes in Computer Science*, pages 445–459. Springer, 2010. doi:10.1007/978-3-642-15396-9_36.
- [375] Thiago Serra, Gilberto Nishioka, and Fernando J. M. Marcellino. The offshore resources scheduling problem: Detailing a constraint programming approach. In Michela Milano, editor, *Principles and Practice of Constraint Programming - 18th International Conference, CP 2012, Québec City, QC, Canada, October 8-12, 2012. Proceedings*, volume 7514 of *Lecture Notes in Computer Science*, pages 823–839. Springer, 2012. doi:10.1007/978-3-642-33558-7_59.
- [376] Aftab Ahmed Shaikh and Abdullah Ayub Khan. Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems. *Int. J. Electron. Secur. Digit. Forensics*, 15(1):88–99, 2023. doi:10.1504/IJESDF.2023.10045616.
- [377] Ganquan Shi, Zhouwang Yang, Yang Xu, and Yuchen Quan. Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach. *Int. J. Prod. Res.*, 60(18):5505–5522, 2022. doi:10.1080/00207543.2021.1963496.
- [378] Seung Yeob Shin, Yuriy Brun, Hari Balasubramanian, Philip L. Henneman, and Leon J. Osterweil. Discrete-event simulation and integer linear programming for constraint-aware resource scheduling. *IEEE Trans. Syst. Man Cybern. Syst.*, 48(9):1578–1593, 2018. doi:10.1109/TSMC.2017.2681623.

- [379] Mohamed Siala. Search, propagation, and learning in sequencing and scheduling problems. *Constraints An Int. J.*, 20(4):479–480, 2015. URL: <https://doi.org/10.1007/s10601-015-9213-y>, doi:10.1007/S10601-015-9213-Y.
- [380] Mohamed Siala, Christian Artigues, and Emmanuel Hebrard. Two clause learning approaches for disjunctive scheduling. In Gilles Pesant, editor, *Principles and Practice of Constraint Programming - 21st International Conference, CP 2015, Cork, Ireland, August 31 - September 4, 2015, Proceedings*, volume 9255 of *Lecture Notes in Computer Science*, pages 393–402. Springer, 2015. doi:10.1007/978-3-319-23219-5_28.
- [381] Gilles Simonin, Christian Artigues, Emmanuel Hebrard, and Pierre Lopez. Scheduling scientific experiments on the rosetta/philae mission. In Michela Milano, editor, *Principles and Practice of Constraint Programming - 18th International Conference, CP 2012, Québec City, QC, Canada, October 8-12, 2012. Proceedings*, volume 7514 of *Lecture Notes in Computer Science*, pages 23–37. Springer, 2012. doi:10.1007/978-3-642-33558-7_5.
- [382] Gilles Simonin, Christian Artigues, Emmanuel Hebrard, and Pierre Lopez. Scheduling scientific experiments for comet exploration. *Constraints An Int. J.*, 20(1):77–99, 2015. URL: <https://doi.org/10.1007/s10601-014-9169-3>, doi:10.1007/S10601-014-9169-3.
- [383] Helmut Simonis. The CHIP system and its applications. In Ugo Montanari and Francesca Rossi, editors, *Principles and Practice of Constraint Programming - CP'95, First International Conference, CP'95, Cassis, France, September 19-22, 1995, Proceedings*, volume 976 of *Lecture Notes in Computer Science*, pages 643–646. Springer, 1995. doi:10.1007/3-540-60299-2_42.
- [384] Helmut Simonis. Models for global constraint applications. *Constraints An Int. J.*, 12(1):63–92, 2007. URL: <https://doi.org/10.1007/s10601-006-9011-7>, doi:10.1007/S10601-006-9011-7.
- [385] Helmut Simonis and Trijntje Cornelissens. Modelling producer/consumer constraints. In Ugo Montanari and Francesca Rossi, editors, *Principles and Practice of Constraint Programming - CP'95, First International Conference, CP'95, Cassis, France, September 19-22, 1995, Proceedings*, volume 976 of *Lecture Notes in Computer Science*, pages 449–462. Springer, 1995. doi:10.1007/3-540-60299-2_27.
- [386] Francis Sourd and Wim Nuijten. Multiple-machine lower bounds for shop-scheduling problems. *INFORMS J. Comput.*, 12(4):341–352, 2000. URL: <https://doi.org/10.1287/ijoc.12.4.341.11881>, doi:10.1287/IJOC.12.4.341.11881.
- [387] Samuel Squillaci, Cédric Pralet, and Stéphanie Roussel. Scheduling complex observation requests for a constellation of satellites: Large neighborhood search approaches. In André A. Ciré, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 20th International Conference, CPAIOR 2023, Nice, France, May 29 - June 1, 2023, Proceedings*, volume 13884 of *Lecture Notes in Computer Science*, pages 443–459. Springer, 2023. doi:10.1007/978-3-031-33271-5_29.
- [388] Kemal Subulan and Gizem Çakir. Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem. *Soft Comput.*, 26(5):2523–2560, 2022. URL: <https://doi.org/10.1007/s00500-021-06399-5>, doi:10.1007/S00500-021-06399-5.
- [389] Yuan Sun, Su Nguyen, Dhananjay R. Thiruvady, Xiaodong Li, Andreas T. Ernst, and Uwe Aickelin. Enhancing constraint programming via supervised learning for job shop scheduling. *CoRR*, abs/2211.14492, 2022. URL: <https://doi.org/10.48550/arXiv.2211.14492>, arXiv:2211.14492, doi:10.48550/ARXIV.2211.14492.
- [390] Zheng Sun, Hong Li, Min Yao, and Nan Li. Scheduling optimization techniques for flexray using constraint-programming. In Peidong Zhu, Lizhe Wang, Feng Xia, Huajun Chen, Ian McLoughlin, Shiao-Li Tsao, Mitsuhiro Sato, Sun-Ki Chai, and Irwin King, editors, *2010 IEEE/ACM Int'l Conference on Green Computing and Communications, GreenCom 2010, & Int'l Conference on Cyber, Physical and Social Computing, CPSCom 2010, Hangzhou, China, December 18-20, 2010*, pages 931–936. IEEE Computer Society, 2010. URL: <https://doi.org/10.1109/GreenCom-CPSCOM.2010.111>, doi:10.1109/GREENCOM-CPSCOM.2010.111.

- [391] Suresh Sundaram, V. Mani, S. N. Omkar, and H. J. Kim. Divisible load scheduling in distributed system with buffer constraints: genetic algorithm and linear programming approach. *Int. J. Parallel Emergent Distributed Syst.*, 21(5):303–321, 2006. doi:10.1080/17445760600567842.
- [392] Jiri Svancara and Roman Barták. Tackling train routing via multi-agent pathfinding and constraint-based scheduling. In Ana Paula Rocha, Luc Steels, and H. Jaap van den Herik, editors, *Proceedings of the 14th International Conference on Agents and Artificial Intelligence, ICAART 2022, Volume 1, Online Streaming, February 3-5, 2022*, pages 306–313. SCITEPRESS, 2022. doi:10.5220/0010869700003116.
- [393] Ria Szeredi and Andreas Schutt. Modelling and solving multi-mode resource-constrained project scheduling. In Michel Rueher, editor, *Principles and Practice of Constraint Programming - 22nd International Conference, CP 2016, Toulouse, France, September 5-9, 2016, Proceedings*, volume 9892 of *Lecture Notes in Computer Science*, pages 483–492. Springer, 2016. doi:10.1007/978-3-319-44953-1_31.
- [394] Tanya Y. Tang and J. Christopher Beck. CP and hybrid models for two-stage batching and scheduling. In Emmanuel Hebrard and Nysret Musliu, editors, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 17th International Conference, CPAIOR 2020, Vienna, Austria, September 21-24, 2020, Proceedings*, volume 12296 of *Lecture Notes in Computer Science*, pages 431–446. Springer, 2020. doi:10.1007/978-3-030-58942-4_28.
- [395] Yuanjie Tang, Rengkui Liu, Futian Wang, Quanxin Sun, and Amr A. Kandil. Scheduling optimization of linear schedule with constraint programming. *Comput. Aided Civ. Infrastructure Eng.*, 33(2):124–151, 2018. URL: <https://doi.org/10.1111/mice.12277>, doi:10.1111/MICE.12277.
- [396] Fabio Tardivo, Agostino Dovier, Andrea Formisano, Laurent Michel, and Enrico Pontelli. Constraint propagation on GPU: A case study for the cumulative constraint. In André A. Ciré, editor, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 20th International Conference, CPAIOR 2023, Nice, France, May 29 - June 1, 2023, Proceedings*, volume 13884 of *Lecture Notes in Computer Science*, pages 336–353. Springer, 2023. doi:10.1007/978-3-031-33271-5_22.
- [397] Pierre Tassel, Martin Gebser, and Konstantin Schekotihin. An end-to-end reinforcement learning approach for job-shop scheduling problems based on constraint programming. In Sven Koenig, Roni Stern, and Mauro Vallati, editors, *Proceedings of the Thirty-Third International Conference on Automated Planning and Scheduling, July 8-13, 2023, Prague, Czech Republic*, pages 614–622. AAAI Press, 2023. URL: <https://doi.org/10.1609/icaps.v33i1.27243>, doi:10.1609/ICAPS.V33I1.27243.
- [398] Pierre Tassel, Martin Gebser, and Konstantin Schekotihin. An end-to-end reinforcement learning approach for job-shop scheduling problems based on constraint programming. *CoRR*, abs/2306.05747, 2023. URL: <https://doi.org/10.48550/arXiv.2306.05747>, arXiv:2306.05747, doi:10.48550/ARXIV.2306.05747.
- [399] David B. H. Tay. COPS: A constraint programming approach to resource-limited project scheduling. *Comput. J.*, 35(Additional-Papers):A237–A249, 1992.
- [400] Erich Christian Teppan. Types of flexible job shop scheduling: A constraint programming experiment. In Ana Paula Rocha, Luc Steels, and H. Jaap van den Herik, editors, *Proceedings of the 14th International Conference on Agents and Artificial Intelligence, ICAART 2022, Volume 3, Online Streaming, February 3-5, 2022*, pages 516–523. SCITEPRESS, 2022. doi:10.5220/0010849900003116.
- [401] Alexander Tesch. A nearly exact propagation algorithm for energetic reasoning in $\mathcal{O}(n^2 \log n)$. In Michel Rueher, editor, *Principles and Practice of Constraint Programming - 22nd International Conference, CP 2016, Toulouse, France, September 5-9, 2016, Proceedings*, volume 9892 of *Lecture Notes in Computer Science*, pages 493–519. Springer, 2016. doi:10.1007/978-3-319-44953-1_32.
- [402] Alexander Tesch. Improving energetic propagations for cumulative scheduling. In John N. Hooker, editor, *Principles and Practice of Constraint Programming - 24th International Conference, CP 2018, Lille, France, August 27-31, 2018, Proceedings*, volume 11008 of *Lecture Notes in Computer Science*, pages 629–645. Springer, 2018. doi:10.1007/978-3-319-98334-9_41.

- [403] Dhananjay R. Thiruvady, Christian Blum, Bernd Meyer, and Andreas T. Ernst. Hybridizing beam-aco with constraint programming for single machine job scheduling. In Maria J. Blesa, Christian Blum, Luca Di Gaspero, Andrea Roli, Michael Sampels, and Andrea Schaerf, editors, *Hybrid Metaheuristics, 6th International Workshop, HM 2009, Udine, Italy, October 16-17, 2009. Proceedings*, volume 5818 of *Lecture Notes in Computer Science*, pages 30–44. Springer, 2009. doi:10.1007/978-3-642-04918-7_3.
- [404] Christian Timpe. Solving planning and scheduling problems with combined integer and constraint programming. *OR Spectr.*, 24(4):431–448, 2002. URL: <https://doi.org/10.1007/s00291-002-0107-1>, doi:10.1007/S00291-002-0107-1.
- [405] Mary Tom. Fuzzy multi-constraint programming model for weekly meals scheduling. In *2019 IEEE International Conference on Fuzzy Systems, FUZZ-IEEE 2019, New Orleans, LA, USA, June 23-26, 2019*, pages 1–6. IEEE, 2019. doi:10.1109/FUZZ-IEEE.2019.8859029.
- [406] Seyda Topaloglu and Irem Ozkarahan. A constraint programming-based solution approach for medical resident scheduling problems. *Comput. Oper. Res.*, 38(1):246–255, 2011. URL: <https://doi.org/10.1016/j.cor.2010.04.018>, doi:10.1016/J.COR.2010.04.018.
- [407] Meriem Touat, Belaid Benhamou, and Fatima Benbouzid-Si Tayeb. A constraint programming model for the scheduling problem with flexible maintenance under human resource constraints. In Ana Paula Rocha, Luc Steels, and H. Jaap van den Herik, editors, *Proceedings of the 14th International Conference on Agents and Artificial Intelligence, ICAART 2022, Volume 3, Online Streaming, February 3-5, 2022*, pages 195–202. SCITEPRESS, 2022.
- [408] Touraïvane. Constraint programming and industrial applications. In Ugo Montanari and Francesca Rossi, editors, *Principles and Practice of Constraint Programming - CP'95, First International Conference, CP'95, Cassis, France, September 19-22, 1995, Proceedings*, volume 976 of *Lecture Notes in Computer Science*, pages 640–642. Springer, 1995. doi:10.1007/3-540-60299-2_41.
- [409] Mariem Trojet, Fehmi H'Mida, and Pierre Lopez. Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework. *Comput. Ind. Eng.*, 61(2):357–363, 2011. URL: <https://doi.org/10.1016/j.cie.2010.08.014>, doi:10.1016/J.CIE.2010.08.014.
- [410] Edward P. K. Tsang. Constraint based scheduling: Applying constraint programming to scheduling problems. *J. Sched.*, 6(4):413–414, 2003. doi:10.1023/A:1024016929283.
- [411] Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, and Miguel Toro. On selecting and scheduling assembly plans using constraint programming. In Vasile Palade, Robert J. Howlett, and Lakhmi C. Jain, editors, *Knowledge-Based Intelligent Information and Engineering Systems, 7th International Conference, KES 2003, Oxford, UK, September 3-5, 2003, Proceedings, Part II*, volume 2774 of *Lecture Notes in Computer Science*, pages 1329–1336. Springer, 2003. doi:10.1007/978-3-540-45226-3_180.
- [412] J. M. van den Akker, Guido Diepen, and J. A. Hoogeveen. A column generation based destructive lower bound for resource constrained project scheduling problems. In Pascal Van Hentenryck and Laurence A. Wolsey, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 4th International Conference, CPAIOR 2007, Brussels, Belgium, May 23-26, 2007, Proceedings*, volume 4510 of *Lecture Notes in Computer Science*, pages 376–390. Springer, 2007. doi:10.1007/978-3-540-72397-4_27.
- [413] Pim van den Bogaerdt and Mathijs de Weerdt. Lower bounds for uniform machine scheduling using decision diagrams. In Louis-Martin Rousseau and Kostas Stergiou, editors, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 16th International Conference, CPAIOR 2019, Thessaloniki, Greece, June 4-7, 2019, Proceedings*, volume 11494 of *Lecture Notes in Computer Science*, pages 565–580. Springer, 2019. doi:10.1007/978-3-030-19212-9_38.
- [414] Roman van der Krogt, James Little, Kenneth Pulliam, Sue Hanhilammi, and Yue Jin. Scheduling for cellular manufacturing. In Christian Bessiere, editor, *Principles and Practice of Constraint Programming - CP 2007, 13th International Conference, CP 2007, Providence, RI, USA, September 23-27, 2007, Proceedings*, volume 4741 of *Lecture Notes in Computer Science*, pages 105–117. Springer, 2007. doi:10.1007/978-3-540-74970-7_10.

- [415] Willem Jan van Hoeve, Carla P. Gomes, Bart Selman, and Michele Lombardi. Optimal multi-agent scheduling with constraint programming. In *Proceedings of the Twenty-Second AAAI Conference on Artificial Intelligence, July 22-26, 2007, Vancouver, British Columbia, Canada*, pages 1813–1818. AAAI Press, 2007. URL: <http://www.aaai.org/Library/AAAI/2007/aaai07-291.php>.
- [416] József Váncza and András Márkus. A constraint engine for manufacturing process planning. In Toby Walsh, editor, *Principles and Practice of Constraint Programming - CP 2001, 7th International Conference, CP 2001, Paphos, Cyprus, November 26 - December 1, 2001, Proceedings*, volume 2239 of *Lecture Notes in Computer Science*, pages 745–759. Springer, 2001. doi:10.1007/3-540-45578-7_60.
- [417] Gérard Verfaillie and Michel Lemaître. Selecting and scheduling observations for agile satellites: Some lessons from the constraint reasoning community point of view. In Toby Walsh, editor, *Principles and Practice of Constraint Programming - CP 2001, 7th International Conference, CP 2001, Paphos, Cyprus, November 26 - December 1, 2001, Proceedings*, volume 2239 of *Lecture Notes in Computer Science*, pages 670–684. Springer, 2001. doi:10.1007/3-540-45578-7_55.
- [418] Petr Vilím. Batch processing with sequence dependent setup times. In Pascal Van Hentenryck, editor, *Principles and Practice of Constraint Programming - CP 2002, 8th International Conference, CP 2002, Ithaca, NY, USA, September 9-13, 2002, Proceedings*, volume 2470 of *Lecture Notes in Computer Science*, page 764. Springer, 2002. doi:10.1007/3-540-46135-3_62.
- [419] Petr Vilím. Computing explanations for global scheduling constraints. In Francesca Rossi, editor, *Principles and Practice of Constraint Programming - CP 2003, 9th International Conference, CP 2003, Kinsale, Ireland, September 29 - October 3, 2003, Proceedings*, volume 2833 of *Lecture Notes in Computer Science*, page 1000. Springer, 2003. doi:10.1007/978-3-540-45193-8_124.
- [420] Petr Vilím. $O(n \log n)$ filtering algorithms for unary resource constraint. In Jean-Charles Régin and Michel Rueher, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, First International Conference, CPAIOR 2004, Nice, France, April 20-22, 2004, Proceedings*, volume 3011 of *Lecture Notes in Computer Science*, pages 335–347. Springer, 2004. doi:10.1007/978-3-540-24664-0_23.
- [421] Petr Vilím. Computing explanations for the unary resource constraint. In Roman Barták and Michela Milano, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, Second International Conference, CPAIOR 2005, Prague, Czech Republic, May 30 - June 1, 2005, Proceedings*, volume 3524 of *Lecture Notes in Computer Science*, pages 396–409. Springer, 2005. doi:10.1007/11493853_29.
- [422] Petr Vilím. Edge finding filtering algorithm for discrete cumulative resources in $O(kn \log n)$. In Ian P. Gent, editor, *Principles and Practice of Constraint Programming - CP 2009, 15th International Conference, CP 2009, Lisbon, Portugal, September 20-24, 2009, Proceedings*, volume 5732 of *Lecture Notes in Computer Science*, pages 802–816. Springer, 2009. doi:10.1007/978-3-642-04244-7_62.
- [423] Petr Vilím. Max energy filtering algorithm for discrete cumulative resources. In Willem Jan van Hoeve and John N. Hooker, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 6th International Conference, CPAIOR 2009, Pittsburgh, PA, USA, May 27-31, 2009, Proceedings*, volume 5547 of *Lecture Notes in Computer Science*, pages 294–308. Springer, 2009. doi:10.1007/978-3-642-01929-6_22.
- [424] Petr Vilím. Timetable edge finding filtering algorithm for discrete cumulative resources. In Tobias Achterberg and J. Christopher Beck, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems - 8th International Conference, CPAIOR 2011, Berlin, Germany, May 23-27, 2011, Proceedings*, volume 6697 of *Lecture Notes in Computer Science*, pages 230–245. Springer, 2011. doi:10.1007/978-3-642-21311-3_22.
- [425] Petr Vilím, Roman Barták, and Ondrej Cepek. Unary resource constraint with optional activities. In Mark Wallace, editor, *Principles and Practice of Constraint Programming - CP 2004, 10th International Conference, CP 2004, Toronto, Canada, September 27 - October 1, 2004, Proceedings*, volume 3258 of *Lecture Notes in Computer Science*, pages 62–76. Springer, 2004. doi:10.1007/978-3-540-30201-8_8.

- [426] Petr Vilím, Roman Barták, and Ondrej Cepek. Extension of $O(n \log n)$ filtering algorithms for the unary resource constraint to optional activities. *Constraints An Int. J.*, 10(4):403–425, 2005. URL: <https://doi.org/10.1007/s10601-005-2814-0>, doi:10.1007/S10601-005-2814-0.
- [427] Petr Vilím, Philippe Laborie, and Paul Shaw. Failure-directed search for constraint-based scheduling. In Laurent Michel, editor, *Integration of AI and OR Techniques in Constraint Programming - 12th International Conference, CPAIOR 2015, Barcelona, Spain, May 18-22, 2015, Proceedings*, volume 9075 of *Lecture Notes in Computer Science*, pages 437–453. Springer, 2015. doi:10.1007/978-3-319-18008-3_30.
- [428] Karen Villaverde and Enrico Pontelli. An investigation of scheduling in distributed constraint logic programming. In David A. Bader and Ashfaq A. Khokhar, editors, *Proceedings of the ISCA 17th International Conference on Parallel and Distributed Computing Systems, September 15-17, 2004, The Canterbury Hotel, San Francisco, California, USA*, pages 98–103. ISCA, 2004.
- [429] Marek Vlk, Zdenek Hanzálek, and Siyu Tang. Constraint programming approaches to joint routing and scheduling in time-sensitive networks. *Comput. Ind. Eng.*, 157:107317, 2021. URL: <https://doi.org/10.1016/j.cie.2021.107317>, doi:10.1016/J.CIE.2021.107317.
- [430] Mark Wallace. Practical applications of constraint programming. *Constraints An Int. J.*, 1(1/2):139–168, 1996. doi:10.1007/BF00143881.
- [431] Mark Wallace and Neil Yorke-Smith. A new constraint programming model and solving for the cyclic hoist scheduling problem. *Constraints An Int. J.*, 25(3-4):319–337, 2020. URL: <https://doi.org/10.1007/s10601-020-09316-z>, doi:10.1007/S10601-020-09316-Z.
- [432] Ruixin Wang and Nicolas Barnier. Global propagation of transition cost for fixed job scheduling. In Giuseppe De Giacomo, Alejandro Catalá, Bistra Dilkina, Michela Milano, Senén Barro, Alberto Bugarín, and Jérôme Lang, editors, *ECAI 2020 - 24th European Conference on Artificial Intelligence, 29 August-8 September 2020, Santiago de Compostela, Spain, August 29 - September 8, 2020 - Including 10th Conference on Prestigious Applications of Artificial Intelligence (PAIS 2020)*, volume 325 of *Frontiers in Artificial Intelligence and Applications*, pages 363–370. IOS Press, 2020. doi:10.3233/FAIA200114.
- [433] Ruixin Wang and Nicolas Barnier. Dynamic all-different and maximal cliques constraints for fixed job scheduling. In *35th IEEE International Conference on Tools with Artificial Intelligence, ICTAI 2023, Atlanta, GA, USA, November 6-8, 2023*, pages 385–392. IEEE, 2023. doi:10.1109/ICTAI59109.2023.00062.
- [434] Tao Wang, Nadine Meskens, and David Duvivier. Scheduling operating theatres: Mixed integer programming vs. constraint programming. *Eur. J. Oper. Res.*, 247(2):401–413, 2015. URL: <https://doi.org/10.1016/j.ejor.2015.06.008>, doi:10.1016/J.EJOR.2015.06.008.
- [435] Jean-Paul Watson and J. Christopher Beck. A hybrid constraint programming / local search approach to the job-shop scheduling problem. In Laurent Perron and Michael A. Trick, editors, *Integration of AI and OR Techniques in Constraint Programming for Combinatorial Optimization Problems, 5th International Conference, CPAIOR 2008, Paris, France, May 20-23, 2008, Proceedings*, volume 5015 of *Lecture Notes in Computer Science*, pages 263–277. Springer, 2008. doi:10.1007/978-3-540-68155-7_21.
- [436] Johan Wessén, Mats Carlsson, and Christian Schulte. Scheduling of dual-arm multi-tool assembly robots and workspace layout optimization. In Emmanuel Hebrard and Nysret Musliu, editors, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 17th International Conference, CPAIOR 2020, Vienna, Austria, September 21-24, 2020, Proceedings*, volume 12296 of *Lecture Notes in Computer Science*, pages 511–520. Springer, 2020. doi:10.1007/978-3-030-58942-4_33.
- [437] Jaroslaw Wikarek and Pawel Sitek. A constraint-based declarative programming framework for scheduling and resource allocation problems. *Vietnam. J. Comput. Sci.*, 6(1):69–90, 2019. doi:10.1142/S2196888819500027.

- [438] Felix Winter, Sebastian Meiswinkel, Nysret Musliu, and Daniel Walkiewicz. Modeling and solving parallel machine scheduling with contamination constraints in the agricultural industry. In Christine Solnon, editor, *28th International Conference on Principles and Practice of Constraint Programming, CP 2022, July 31 to August 8, 2022, Haifa, Israel*, volume 235 of *LIPICs*, pages 41:1–41:18. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2022. URL: <https://doi.org/10.4230/LIPICs.CP.2022.41>, doi:10.4230/LIPICs.CP.2022.41.
- [439] Armin Wolf. Pruning while sweeping over task intervals. In Francesca Rossi, editor, *Principles and Practice of Constraint Programming - CP 2003, 9th International Conference, CP 2003, Kinsale, Ireland, September 29 - October 3, 2003, Proceedings*, volume 2833 of *Lecture Notes in Computer Science*, pages 739–753. Springer, 2003. doi:10.1007/978-3-540-45193-8_50.
- [440] Armin Wolf and Gunnar Schrader. $O(n \log n)$ overload checking for the cumulative constraint and its application. In Masanobu Umeda, Armin Wolf, Oskar Bartenstein, Ulrich Geske, Dietmar Seipel, and Osamu Takata, editors, *Declarative Programming for Knowledge Management, 16th International Conference on Applications of Declarative Programming and Knowledge Management, INAP 2005, Fukuoka, Japan, October 22-24, 2005, Revised Selected Papers*, volume 4369 of *Lecture Notes in Computer Science*, pages 88–101. Springer, 2005. doi:10.1007/11963578_8.
- [441] Christophe Wolinski, Krzysztof Kuchcinski, and Maya B. Gokhale. A constraints programming approach to communication scheduling on socp architectures. In *2004 Euromicro Symposium on Digital Systems Design (DSD 2004), Architectures, Methods and Tools, 31 August - 3 September 2004, Rennes, France*, pages 308–315. IEEE Computer Society, 2004. doi:10.1109/DSD.2004.1333291.
- [442] Christophe Wolinski, Krzysztof Kuchcinski, and Maya B. Gokhale. A constraints programming approach to communication scheduling on socp architectures. In Russell Tessier and Herman Schmit, editors, *Proceedings of the ACM/SIGDA 12th International Symposium on Field Programmable Gate Arrays, FPGA 2004, Monterey, California, USA, February 22-24, 2004*, page 252. ACM, 2004. doi:10.1145/968280.968336.
- [443] Christine Wei Wu, Kenneth N. Brown, and J. Christopher Beck. Scheduling with uncertain start dates. In Peter van Beek, editor, *Principles and Practice of Constraint Programming - CP 2005, 11th International Conference, CP 2005, Sitges, Spain, October 1-5, 2005, Proceedings*, volume 3709 of *Lecture Notes in Computer Science*, page 872. Springer, 2005. doi:10.1007/11564751_110.
- [444] Moli Yang, Andreas Schutt, and Peter J. Stuckey. Time table edge finding with energy variables. In Louis-Martin Rousseau and Kostas Stergiou, editors, *Integration of Constraint Programming, Artificial Intelligence, and Operations Research - 16th International Conference, CPAIOR 2019, Thessaloniki, Greece, June 4-7, 2019, Proceedings*, volume 11494 of *Lecture Notes in Computer Science*, pages 633–642. Springer, 2019. doi:10.1007/978-3-030-19212-9_42.
- [445] Maryam Younespour, Arezoo Atighehchian, Kamran Kianfar, and Ehsan Tarkesh Esfahani. Using mixed integer programming and constraint programming for operating rooms scheduling with modified block strategy. *Operations research for health care*, 23:100220, 2019. URL: <https://api.semanticscholar.org/CorpusID:208103305>.
- [446] Kenneth D. Young, Thibaut Feydy, and Andreas Schutt. Constraint programming applied to the multi-skill project scheduling problem. In J. Christopher Beck, editor, *Principles and Practice of Constraint Programming - 23rd International Conference, CP 2017, Melbourne, VIC, Australia, August 28 - September 1, 2017, Proceedings*, volume 10416 of *Lecture Notes in Computer Science*, pages 308–317. Springer, 2017. doi:10.1007/978-3-319-66158-2_20.
- [447] Pinar Yunusoglu and Seyda Topaloglu Yildiz. Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times. *Int. J. Prod. Res.*, 60(7):2212–2229, 2022. doi:10.1080/00207543.2021.1885068.
- [448] Francisco Yuraszeck, Gonzalo Mejía, and Dario Canut-de-Bon. A competitive constraint programming approach for the group shop scheduling problem. In Elhadi M. Shakshuki and Ansar-Ul-Haque Yasar, editors, *The 14th International Conference on Ambient Systems, Networks and Technologies (ANT 2023) / The 6th International Conference on Emerging Data and Industry 4.0 (EDI40 2023) / Affiliated Workshops, March 15-17, 2023, Leuven, Belgium*, volume 220 of *Procedia Computer Science*, pages 946–951. Elsevier, 2023. URL: <https://doi.org/10.1016/j.procs.2023.03.130>, doi:10.1016/J.PROCS.2023.03.130.

- [449] Francisco Yuraszeck, Gonzalo Mejía, Jordi Pereira, and Mariona Vilà. A novel constraint programming decomposition approach for the total flow time fixed group shop scheduling problem. *Mathematics*, 2022. URL: <https://api.semanticscholar.org/CorpusID:246320449>.
- [450] Francisco Yuraszeck, Elizabeth Montero, Dario Canut-de-Bon, Nicolás Cuneo, and Maximiliano Rojel. A constraint programming formulation of the multi-mode resource-constrained project scheduling problem for the flexible job shop scheduling problem. *IEEE Access*, 11:144928–144938, 2023. doi:10.1109/ACCESS.2023.3345793.
- [451] M. H. Fazel Zarandi, H. Khorshidian, and Mohsen Akbarpour Shirazi. A constraint programming model for the scheduling of JIT cross-docking systems with preemption. *J. Intell. Manuf.*, 27(2):297–313, 2016. URL: <https://doi.org/10.1007/s10845-013-0860-9>, doi:10.1007/S10845-013-0860-9.
- [452] Luis Zeballos and Gabriela P. Henning. A constraint programming approach to FMS scheduling. consideration of storage and transportation resources. *Inteligencia Artif.*, 9(26):39–48, 2005. URL: <http://journal.iberamia.org/index.php/ia/article/view/452/article%20%281%29.pdf>.
- [453] Luis Zeballos, Oscar Quiroga, and Gabriela P. Henning. A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations. *Eng. Appl. Artif. Intell.*, 23(2):229–248, 2010. URL: <https://doi.org/10.1016/j.engappai.2009.07.002>, doi:10.1016/J.ENGAPPAI.2009.07.002.
- [454] Haotian Zhang, Yingjun Ji, Ziyang Zhao, and Shixin Liu. Constraint programming for modeling and solving a hybrid flow shop scheduling problem. In *IEEE International Conference on Networking, Sensing and Control, ICNSC 2022, Shanghai, China, December 15-18, 2022*, pages 1–6. IEEE, 2022. doi:10.1109/ICNSC55942.2022.10004154.
- [455] Luping Zhang, Chunxia Yu, and T. N. Wong. A graph-based constraint programming approach for the integrated process planning and scheduling problem. *Comput. Oper. Res.*, 131:105282, 2021. URL: <https://doi.org/10.1016/j.cor.2021.105282>, doi:10.1016/J.COR.2021.105282.
- [456] Sicheng Zhang and Shouyang Wang. Flexible assembly job-shop scheduling with sequence-dependent setup times and part sharing in a dynamic environment: Constraint programming model, mixed-integer programming model, and dispatching rules. *IEEE Trans. Engineering Management*, 65(3):487–504, 2018. doi:10.1109/TEM.2017.2785774.
- [457] Xujun Zhang, Zhimin Lv, and Xiaoqing Song. Model and solution for hot strip rolling scheduling problem based on constraint programming method. In *12th IEEE International Conference on Computer and Information Technology, CIT 2012, Chengdu, Sichuan, China, October 27-29, 2012*, pages 412–415. IEEE Computer Society, 2012. doi:10.1109/CIT.2012.96.
- [458] Jianyang Zhou. A constraint program for solving the job-shop problem. In Eugene C. Freuder, editor, *Proceedings of the Second International Conference on Principles and Practice of Constraint Programming, Cambridge, Massachusetts, USA, August 19-22, 1996*, volume 1118 of *Lecture Notes in Computer Science*, pages 510–524. Springer, 1996. doi:10.1007/3-540-61551-2_97.
- [459] Jianyang Zhou. A permutation-based approach for solving the job-shop problem. *Constraints An Int. J.*, 2(2):185–213, 1997. doi:10.1023/A:1009757726572.
- [460] Jinlian Zhou, Ying Guo, and Guipeng Li. On complex hybrid flexible flowshop scheduling problems based on constraint programming. In *12th International Conference on Fuzzy Systems and Knowledge Discovery, FSKD 2015, Zhangjiajie, China, August 15-17, 2015*, pages 909–913. IEEE, 2015. doi:10.1109/FSKD.2015.7382064.
- [461] Kenny Qili Zhu and Andrew E. Santosa. A meeting scheduling system based on open constraint programming. In Anne Banks Pidduck, John Mylopoulos, Carson C. Woo, and M. Tamer Özsu, editors, *Advanced Information Systems Engineering, 14th International Conference, CAiSE 2002, Toronto, Canada, May 27-31, 2002, Proceedings*, volume 2348 of *Lecture Notes in Computer Science*, pages 792–796. Springer, 2002. doi:10.1007/3-540-47961-9_69.

- [462] Minhaz F. Zibran and Chanchal K. Roy. Conflict-aware optimal scheduling of code clone refactoring: A constraint programming approach. In *The 19th IEEE International Conference on Program Comprehension, ICPC 2011, Kingston, ON, Canada, June 22-24, 2011*, pages 266–269. IEEE Computer Society, 2011. doi:10.1109/ICPC.2011.45.
- [463] Minhaz F. Zibran and Chanchal K. Roy. A constraint programming approach to conflict-aware optimal scheduling of prioritized code clone refactoring. In *11th IEEE Working Conference on Source Code Analysis and Manipulation, SCAM 2011, Williamsburg, VA, USA, September 25-26, 2011*, pages 105–114. IEEE Computer Society, 2011. doi:10.1109/SCAM.2011.21.
- [464] Xin Zou and Lihui Zhang. A constraint programming approach for scheduling repetitive projects with atypical activities considering soft logic. *Automation in Construction*, 109:102990, 2020. URL: <https://api.semanticscholar.org/CorpusID:208840808>.
- [465] Şeyda Gür, Tamer Eren, and Hacı Mehmet Alakaş. Surgical operation scheduling with goal programming and constraint programming: A case study. *Mathematics*, 2019. URL: <https://api.semanticscholar.org/CorpusID:88492001>.

A Papers and Articles Missing a Local Copy

Table 11: PAPER without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
FriedrichFMRST14	FriedrichFMRST14	G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	Representing Production Scheduling with Constraint Answer Set Programming	2014	GOR 2014	[143]
VillaverdeP04	VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	2004	ISCA 2004	[428]
WolinskiKG04a	WolinskiKG04a	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A constraints programming approach to communication scheduling on SoPC architectures	2004	FPGA 2004	[442]
BoucherBVBL97	BoucherBVBL97	E. Boucher, A. Bachelu, C. Varnier, P. Baptiste, B. Legeard	Multi-criteria Comparison Between Algorithmic, Constraint Logic and Specific Constraint Programming on a Real Scheduling Problem	1997	PACT 1997	[79]
PapeB97	PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	1997	PACT 1997	[334]
JourdanFRD94	JourdanFRD94	J. Jourdan, F. Fages, D. Rozzonelli, A. Demeure	Data Alignment and Task Scheduling On Parallel Machines Using Concurrent Constraint Model-based Programming	1994	ILPS 1994	[215]
AggounB92	AggounB92	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	1992	JFPL 1992	[5]

Table 12: ARTICLE without Local Copy

Key	URL	Authors	Title	Year	Conference /Journal	Cite
AbreuNP23	AbreuNP23	Levi Ribeiro de Abreu, Marcelo Seido Nagano, Bruno A. Prata	A new two-stage constraint programming approach for open shop scheduling problem with machine blocking	2023	Int. J. Prod. Res.	[109]
FarsiTM22	FarsiTM22	A. Farsi, S. Ali Torabi, M. Mokhtarzadeh	Integrated surgery scheduling by constraint programming and meta-heuristics	2022	International Journal of Management Science and Engineering Management	[136]
Fatemi-AnarakiMFN22	Fatemi-AnarakiMFN22	S. Fatemi-Anaraki, R. Tavakkoli-Moghaddam, M. Foumani, B. Vahedi-Nouri	Scheduling of Multi-Robot Job Shop Systems in Dynamic Environments: Mixed-Integer Linear Programming and Constraint Programming Approaches	2022	Omega	[137]
ShiYXQ22	ShiYXQ22	G. Shi, Z. Yang, Y. Xu, Y. Quan	Solving the integrated process planning and scheduling problem using an enhanced constraint programming-based approach	2022	Int. J. Prod. Res.	[377]
AlizdehS20	AlizdehS20	S. Alizdeh, S. Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	2020	Int. J. Adv. Intell. Paradigms	[11]
Tay92	Tay92	David B. H. Tay	COPS: A Constraint Programming Approach to Resource-Limited Project Scheduling	1992	Comput. J.	[399]

B Papers and Articles Without Recognized Concepts

Table 13: PAPER without Concepts

Key	Local Copy	Authors	Title	Year	Conference /Journal	Cite	Pages
BaptisteLV92	Yes	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming	1992	ICRA 1992	[32]	6

Table 14: ARTICLE without Concepts

Key	Local Copy	Authors	Title	Year	Conference /Journal	Cite	Pages
KorbaaYG00	Yes	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming	2000	Eur. J. Control	[236]	10
LopezAKYG00	Yes	P. Lopez, H. Alla, O. Korbaa, P. Yim, J. Gentina	Discussion on: 'Solving Transient Scheduling Problems with Constraint Programming' by O. Korbaa, P. Yim, and J.-C. Gentina	2000	Eur. J. Control	[281]	4

C Unmatched Concepts

Table 15: Unmatched Concepts

Type	Name	CaseSensitive	Revision
ProgLanguages	Julia		0
Industries	steel making industry		0
ApplicationAreas	datacentre		0
ApplicationAreas	day-ahead market		0
ApplicationAreas	deep space		0
ApplicationAreas	ship building		0
ApplicationAreas	vaccine		0
Classification	Modified Generalized Assignment Problem		0
Classification	PP-MS-MMRCPSP	Y	1
Classification	Pre-emptive Job-Shop scheduling Problem		0
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow		0
Classification	SMSDP	Y	1
Classification	Steel-making and continuous casting		0
Concepts	Allen's algebra		0
Concepts	make to stock		0