

# CP Papers on Scheduling

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February 14, 2024

## 1 Introduction

## 2 Conference Paper List

Table 1: Papers from bibtex

Key	Authors	Title	LC	Cite	Year	Conference	Pages
AalianPG23 AalianPG23	Y. Aalian, G. Pesant, M. Gamache	Optimization of Short-Term Underground Mine Planning Using Constraint Programming		[1]	2023	CP 2023	16
Bit-Monnot23 Bit-Monnot23	Bit- A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling		[55]	2023	ECAI 2023	8
EfthymiouY23 EfthymiouY23	N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems		[106]	2023	CPAIOR 2023	16
JuvinHHL23 JuvinHHL23	Juvin- C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Pre-emptive Job Shop Scheduling		[188]	2023	CP 2023	16
JuvinHL23 JuvinHL23	JuvinHL23 C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty		[189]	2023	CPAIOR 2023	16
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		[193]	2023	CP 2023	17
KimCMLLP23 KimCMLLP23	KimCM- D. Kim, Y. Choi, K. Moon, M. Lee, K. Lee, Michael L. Pinedo	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting		[202]	2023	CPAIOR 2023	16
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		[260]	2023	APMS 2023	14
PerezGSL23 PerezGSL23	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports		[299]	2023	ICTAI 2023	7
PovedaAA23 PovedaAA23	G. Poveda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars		[309]	2023	CP 2023	21
SquillaciPR23 SquillaciPR23	Squil- S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches		[346]	2023	CPAIOR 2023	17
TardivoDFMP23 TardivoDFMP23	Tardi- F. Tardivo, A. Dovier, A. Formisano, L. Michel, E. Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint		[354]	2023	CPAIOR 2023	18

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
TasselGS23 TasselGS23	P. Tassel, M. Gebser, K. Schekotihin	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming		[355]	2023	ICAPS 2023	9
WangB23 WangB23	R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling		[391]	2023	ICTAI 2023	8
YuraszeckMC23 YuraszeckMC23	F. Yuraszeck, G. Mejía, D. Canut-de-Bon	A competitive constraint programming approach for the group shop scheduling problem		[405]	2023	ANT 2023	6
ArmstrongGOS22 ArmstrongGOS22	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times		[14]	2022	CPAIOR 2022	13
BoudreaultSLQ22 BoudreaultSLQ22	R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Refit Project Scheduling		[67]	2022	CP 2022	16
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		[137]	2022	CPAIOR 2022	18
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		[231]	2022	ICNSC 2022	6
OuelletQ22 OuelletQ22	Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint		[291]	2022	CPAIOR 2022	17
OujanaAYB22 OujanaAYB22	S. Oujana, L. Amodeo, F. Yalaoui, D. Brodard	Solving a realistic hybrid and flexible flow shop scheduling problem through constraint programming: industrial case in a packaging company		[292]	2022	CoDIT 2022	6
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		[307]	2022	CP 2022	15
Teppan22 Teppan22	Erich Christian Teppan	Types of Flexible Job Shop Scheduling: A Constraint Programming Experiment	NO	[358]	2022	ICAART 2022	8
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	NO	[365]	2022	ICAART 2022	8
WinterMMW22 WinterMMW22	F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry		[396]	2022	CP 2022	18
ZhangJZL22 ZhangJZL22	H. Zhang, Y. Ji, Z. Zhao, S. Liu	Constraint Programming for Modeling and Solving a Hybrid Flow Shop Scheduling Problem		[410]	2022	ICNSC 2022	6
AntuoriHHEN21 AntuoriHHEN21	V. Antuori, E. Hebrard, M. Huguet, S. Essoudaigui, A. Nguyen	Combining Monte Carlo Tree Search and Depth First Search Methods for a Car Manufacturing Workshop Scheduling Problem		[11]	2021	CP 2021	16
ArmstrongGOS21 ArmstrongGOS21	E. Armstrong, M. Garraffa, B. O’Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times		[13]	2021	CP 2021	18
Astrand0F21 Astrand0F21	M. Åstrand, M. Johansson, Hamid Reza Feyzmahdavian	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS		[20]	2021	CPAIOR 2021	18
BenderWS21 BenderWS21	T. Bender, D. Wittwer, T. Schmidt	Applying Constraint Programming to the Multi-mode Scheduling Problem in Harvest Logistics		[47]	2021	ICCL 2021	16
GeibingerKKMMW21 GeibingerKKMMW21	T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic		[133]	2021	CPAIOR 2021	10
GeibingerMM21 GeibingerMM21	T. Geibinger, F. Mischek, N. Musliu	Constraint Logic Programming for Real-World Test Laboratory Scheduling		[136]	2021	AAAI 2021	9
HanenKP21 HanenKP21	C. Hanen, Alix Munier Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors		[159]	2021	CPAIOR 2021	17
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		[175]	2021	CPAIOR 2021	19
KlankeBYE21 KlankeBYE21	C. Klanke, Dominik R. Bleidorn, V. Yfantis, S. Engell	Combining Constraint Programming and Temporal Decomposition Approaches - Scheduling of an Industrial Formulation Plant		[203]	2021	CPAIOR 2021	16
KovacsTKSG21 KovacsTKSG21	B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrottkostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing		[215]	2021	CP 2021	17

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
LacknerMMWW21 LacknerMMWW21	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem		[223]	2021	CP 2021	18
BarzegaranZP20 BarzegaranZP20	M. Barzegaran, B. Zarrin, P. Pop	Quality-Of-Control-Aware Scheduling of Communication in TSN-Based Fog Computing Platforms Using Constraint Programming		[36]	2020	Fog-IoT 2020	9
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		[143]	2020	AAAI 2020	8
GroleazNS20 GroleazNS20	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO		[154]	2020	CP 2020	17
GroleazNS20a GroleazNS20a	L. Groleaz, Samba Ndojh Ndiaye, C. Solnon	ACO with automatic parameter selection for a scheduling problem with a group cumulative constraint	NO	[153]	2020	GECCO 2020	9
Mercier-AubinGQ20 Mercier-AubinGQ20	A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry		[263]	2020	CPAIOR 2020	13
NattafM20 NattafM20	M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem		[278]	2020	CP 2020	16
TangB20 TangB20	Tanya Y. Tang, J. Christopher Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling		[352]	2020	CPAIOR 2020	16
WangB20 WangB20	R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling		[390]	2020	ECAI 2020	8
WessenCS20 WessenCS20	J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization		[394]	2020	CPAIOR 2020	10
BadicaBIL19 BadicaBIL19	A. Badica, C. Badica, M. Ivanovic, D. Logofatu	Exploring the Space of Block Structured Scheduling Processes Using Constraint Logic Programming	NO	[24]	2019	IDC 2019	11
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		[40]	2019	ICRA 2019	7
BogaerdTW19 BogaerdTW19	Pim van den Bogaerd, Mathijs de Weerd	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams		[371]	2019	CPAIOR 2019	16
ColT19 ColT19	Giacomo Da Col, Erich Christian Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers		[83]	2019	CP 2019	17
FrimodigS19 FrimodigS19	S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling		[121]	2019	CP 2019	17
FrohnerTR19 FrohnerTR19	N. Frohner, S. Teuschl, Günther R. Raidl	Casual Employee Scheduling with Constraint Programming and Metaheuristics		[122]	2019	EUROCAST 2019	9
GalleguillosKSB19 GalleguillosKSB19	C. Galleguillos, Z. Kiziltan, A. Sirbu, Özalp Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications		[124]	2019	CP 2019	18
GeibingerMM19 GeibingerMM19	T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling		[135]	2019	CPAIOR 2019	16
LiuLH19 LiuLH19	K. Liu, S. Löffler, P. Hofstedt	Solving the Talent Scheduling Problem by Parallel Constraint Programming		[238]	2019	AIAI 2019	9
MalapertN19 MalapertN19	A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications		[254]	2019	CPAIOR 2019	17
MurinR19 MurinR19	S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming		[273]	2019	CP 2019	16
ParkUJR19 ParkUJR19	H. Park, J. Um, J. Jung, M. Ruskowski	Developing a Production Scheduling System for Modular Factory Using Constraint Programming		[297]	2019	RAAD 2019	8
Tom19 Tom19	M. Tom	Fuzzy Multi-Constraint Programming Model for Weekly Meals Scheduling		[363]	2019	FUZZ-IEEE 2019	6
YangSS19 YangSS19	M. Yang, A. Schutt, Peter J. Stuckey	Time Table Edge Finding with Energy Variables		[402]	2019	CPAIOR 2019	10
ArbaouiY18 ArbaouiY18	T. Arbaoui, F. Yalaoui	Solving the Unrelated Parallel Machine Scheduling Problem with Additional Resources Using Constraint Programming		[12]	2018	ACHIIDS 2018	10
AstrandJZ18 AstrandJZ18	M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming		[21]	2018	CPAIOR 2018	9

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BenediktSMVH18 BenediktSMVH18	O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes		[49]	2018	CPAIOR 2018	10
DemirovicS18 DemirovicS18	E. Demirovic, Peter J. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts		[95]	2018	CPAIOR 2018	18
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		[161]	2018	CP 2018	18
HoYCLLC18 HoY-CLLC18	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	NO	[176]	2018	AICCC 2018	6
KameugneFGOQ18 KameugneFGOQ18	R. Kameugne, Séverine Betmbe Fetgo, V. Gin-gras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint		[192]	2018	CPAIOR 2018	17
Laborie18a Laborie18a	P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling		[221]	2018	CPAIOR 2018	9
NishikawaSTT18 NishikawaSTT18	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Fork-Join Tasks with Constraint Programming		[280]	2018	CANDAR 2018	6
NishikawaSTT18a NishikawaSTT18a	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	Scheduling of Malleable Tasks Based on Constraint Programming		[281]	2018	TENCON 2018	6
OuelletQ18 OuelletQ18	Y. Ouellet, C. Quimper	A $O(n \log^2 n)$ Checker and $O(n^2 \log n)$ Filtering Algorithm for the Energetic Reasoning		[290]	2018	CPAIOR 2018	18
RiahiNS018 RiahiNS018	V. Riahi, M. A. Hakim Newton, K. Su, A. Sattar	Local Search for Flowshops with Setup Times and Blocking Constraints	NO	[319]	2018	ICAPS 2018	9
Tesch18 Tesch18	A. Tesch	Improving Energetic Propagations for Cumulative Scheduling		[360]	2018	CP 2018	17
BofillCSV17 BofillCSV17	M. Bofill, J. Coll, J. Suy, M. Villaret	An Efficient SMT Approach to Solve MRCPPSP/max Instances with Tight Constraints on Resources		[57]	2017	CP 2017	9
CappartS17 CappartS17	Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables		[73]	2017	CPAIOR 2017	16
GelainPRVW17 Gelain-PRVW17	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		[138]	2017	CPAIOR 2017	16
GoldwaserS17 Gold-waserS17	A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling		[146]	2017	CP 2017	16
Hooker17 Hooker17	John N. Hooker	Job Sequencing Bounds from Decision Diagrams		[181]	2017	CP 2017	14
KletzanderM17 Kletzan-derM17	L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem		[204]	2017	CPAIOR 2017	15
LiuCGM17 LiuCGM17	T. Liu, Roberto Di Cosmo, M. Gabbrielli, J. Mauro	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities		[239]	2017	CP 2017	17
Madi-WambaLOBM17 Madi-WambaLOBM17	G. Madi-Wamba, Y. Li, A. Orgerie, N. Beldiceanu, J. Menaud	Green Energy Aware Scheduling Problem in Virtualized Datacenters		[252]	2017	ICPADS 2017	8
MossigeGSMC17 MossigeGSMC17	M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems		[269]	2017	CP 2017	18
Pralet17 Pralet17	C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources		[310]	2017	CP 2017	19
YoungFS17 YoungFS17	Kenneth D. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem		[403]	2017	CP 2017	10
BonfiettiZLM16 Bonfiet-tiZLM16	A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint		[64]	2016	CP 2016	17
BoothNB16 BoothNB16	Kyle E. C. Booth, G. Nejat, J. Christopher Beck	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes		[65]	2016	CP 2016	17
CauwelaertDMS16 CauwelaertDMS16	Sascha Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times		[76]	2016	CP 2016	16
FontaineMH16 FontaineMH16	D. Fontaine, Laurent D. Michel, Pascal Van Hentenryck	Parallel Composition of Scheduling Solvers		[117]	2016	CPAIOR 2016	11
GilesH16 GilesH16	K. Giles, Willem-Jan van Hoeve	Solving a Supply-Delivery Scheduling Problem with Constraint Programming		[140]	2016	CP 2016	16

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GingrasQ16	GingrasQ16	V. Gingras, C. Quimper	Generalizing the Edge-Finder Rule for the Cumulative Constraint	NO	[141]	2016	IJCAI 2016	7
HechingH16	HechingH16	Aliza R. Heching, John N. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition		[163]	2016	CPAIOR 2016	11
LimHTB16	LimHTB16	B. Lim, Hassan L. Hijazi, S. Thiébaux, Menkes van den Briel	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control		[234]	2016	CP 2016	18
Madi-WambaB16	Madi-WambaB16	G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint		[251]	2016	CPAIOR 2016	16
SchuttS16	SchuttS16	A. Schutt, Peter J. Stuckey	Explaining Producer/Consumer Constraints		[333]	2016	CP 2016	17
SzerediS16	SzerediS16	R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling		[351]	2016	CP 2016	10
Tesch16	Tesch16	A. Tesch	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal{O}(n^2 \log n)$		[359]	2016	CP 2016	27
BofillGSV15	BofillGSV15	M. Bofill, M. Garcia, J. Suy, M. Villaret	MaxSAT-Based Scheduling of B2B Meetings		[59]	2015	CPAIOR 2015	9
BurtLPS15	BurtLPS15	Christina N. Burt, N. Lipovetzky, Adrian R. Pearce, Peter J. Stuckey	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study		[70]	2015	CPAIOR 2015	17
DejemeppeCS15	DejemeppeCS15	C. Dejemeppe, Sascha Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times		[92]	2015	CP 2015	16
EvenSH15	EvenSH15	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling		[111]	2015	CP 2015	18
GayHLS15	GayHLS15	S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems		[128]	2015	CP 2015	9
GayHS15	GayHS15	S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint		[129]	2015	CP 2015	9
KreterSS15	KreterSS15	S. Kreter, A. Schutt, Peter J. Stuckey	Modeling and Solving Project Scheduling with Calendars		[216]	2015	CP 2015	17
LimBTBB15	LimBTBB15	B. Lim, Menkes van den Briel, S. Thiébaux, R. Bent, S. Backhaus	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings		[235]	2015	CPAIOR 2015	15
LombardiBM15	LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty		[241]	2015	CP 2015	16
MelgarejoLS15	MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems		[6]	2015	CPAIOR 2015	17
MurphyMB15	MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System		[274]	2015	CP 2015	17
PesantRR15	PesantRR15	G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem		[301]	2015	CPAIOR 2015	16
PraletLJ15	PraletLJ15	C. Pralet, S. Lemaï-Chenevier, J. Jaubert	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search		[311]	2015	CP 2015	16
SialaAH15	SialaAH15	M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling		[340]	2015	CP 2015	10
VilimLS15	VilimLS15	P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling		[385]	2015	CPAIOR 2015	17
ZhouGL15	ZhouGL15	J. Zhou, Y. Guo, G. Li	On complex hybrid flexible flowshop scheduling problems based on constraint programming		[416]	2015	FSKD 2015	5
cpaior-GayHS15	cpaior-GayHS15	S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint		[130]	2015	CPAIOR 2015	16
AlesioNBG14	AlesioNBG14	Stefano Di Alesio, S. Nejati, Lionel C. Briand, A. Gottlieb	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing		[99]	2014	CP 2014	18
BartoliniBBLM14	BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EURORA Supercomputer		[35]	2014	CP 2014	16
BessiereHMQW14	BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity		[53]	2014	CPAIOR 2014	16
BofilEGPSV14	BofilEGPSV14	M. Bofil, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Scheduling B2B Meetings		[58]	2014	CP 2014	16
BonfiettiLM14	BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!		[63]	2014	CPAIOR 2014	16

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
DejemeppeD14 DejemeppeD14	Deje- meppeD14	C. Dejemeppe, Y. Deville		[93]	2014	CPAIOR 2014	9
DerrienP14 DerrienP14	DerrienP14	A. Derrien, T. Petit		[97]	2014	CP 2014	9
DerrienPZ14 DerrienPZ14	Der- rienPZ14	A. Derrien, T. Petit, S. Zampelli		[98]	2014	CP 2014	9
DoulabiRP14 DoulabiRP14	Doula- biRP14	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant		[103]	2014	CPAIOR 2014	9
FriedrichFMRSS14 FriedrichFMRSS14		G. Friedrich, M. Frühstück, V. Mersheeva, A. Ryabokon, M. Sander, A. Starzacher, E. Teppan	NO	[120]	2014	GOR 2014	7
GaySS14 GaySS14	GaySS14	S. Gay, P. Schaus, Vivian De Smedt		[131]	2014	CP 2014	15
HoundjiSWD14 HoundjiSWD14	Hound- jiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville		[183]	2014	CP 2014	16
KoschB14 KoschB14	KoschB14	S. Kosch, J. Christopher Beck		[208]	2014	CPAIOR 2014	16
CireCH13 CireCH13	CireCH13	André A. Ciré, E. Coban, John N. Hooker		[80]	2013	CPAIOR 2013	7
GuSS13 GuSS13	GuSS13	H. Gu, A. Schutt, Peter J. Stuckey		[156]	2013	CPAIOR 2013	7
HeinzKB13 HeinzKB13	HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck		[165]	2013	CPAIOR 2013	16
KelarevaTK13 KelarevaTK13	Kelare- vaTK13	E. Kelareva, K. Tierney, P. Kilby		[197]	2013	CPAIOR 2013	17
LetortCB13 LetortCB13	LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu		[229]	2013	CPAIOR 2013	16
OuelletQ13 OuelletQ13	OuelletQ13	P. Ouellet, C. Quimper		[289]	2013	CP 2013	16
SchuttFS13 SchuttFS13	SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey		[330]	2013	CP 2013	17
cpaior-SchuttFS13 cpaior-SchuttFS13		A. Schutt, T. Feydy, Peter J. Stuckey		[329]	2013	CPAIOR 2013	17
BillautHL12 BillautHL12	Bil- lautHL12	J. Billaut, E. Hebrard, P. Lopez		[54]	2012	CPAIOR 2012	15
BonfiettiLBM12 BonfiettiLBM12	Bonfi- ettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano		[62]	2012	CPAIOR 2012	16
HeinzB12 HeinzB12	HeinzB12	S. Heinz, J. Christopher Beck		[164]	2012	CPAIOR 2012	17
IfrimOS12 IfrimOS12	IfrimOS12	G. Ifrim, B. O’Sullivan, H. Simonis		[185]	2012	CP 2012	16
LetortBC12 LetortBC12	LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson		[228]	2012	CP 2012	16
RendlPHPR12 RendlPHPR12		A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl		[318]	2012	CPAIOR 2012	17
SchuttCSW12 SchuttCSW12		A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace		[328]	2012	CPAIOR 2012	17
SerraNM12 SerraNM12	SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino		[335]	2012	CP 2012	17
SimoninAHL12 SimoninAHL12	Simoni- nAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez		[341]	2012	CP 2012	15
ZhangLS12 ZhangLS12	ZhangLS12	X. Zhang, Z. Lv, X. Song		[413]	2012	CIT 2012	4
BonfiettiLBM11 BonfiettiLBM11	Bonfi- ettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano		[61]	2011	CP 2011	15
ChapadosJR11 ChapadosJR11	Chapa- dosJR11	N. Chapados, M. Joliveau, L. Rousseau		[78]	2011	CPAIOR 2011	6

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
ClercqPBJ11 Clerc- qPBJ11	Alexis De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource		[81]	2011	CP 2011	16
EdisO11 EdisO11	Emrah B. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach		[105]	2011	CPAIOR 2011	7
GrimesH11 GrimesH11	D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem		[150]	2011	CP 2011	17
HeinzS11 HeinzS11	S. Heinz, J. Schulz	Explanations for the Cumulative Constraint: An Experimental Study		[167]	2011	SEA 2011	10
HermenierDL11 HermenierDL11	F. Hermenier, S. Demassey, X. Lorca	Bin Repacking Scheduling in Virtualized Datacenters		[174]	2011	CP 2011	15
KameugneFSN11 KameugneFSN11	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints		[194]	2011	CP 2011	15
LahimerLH11 LahimerLH11	A. Lahimer, P. Lopez, M. Haouari	Climbing Depth-Bounded Adjacent Discrepancy Search for Solving Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks		[225]	2011	CPAIOR 2011	14
LombardiBMB11 LombardiBMB11	M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems		[242]	2011	CPAIOR 2011	17
Vilim11 Vilim11	P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources		[382]	2011	CPAIOR 2011	16
ZibranR11 ZibranR11	Minhaz F. Zibran, Chanchal K. Roy	Conflict-Aware Optimal Scheduling of Code Clone Refactoring: A Constraint Programming Approach		[418]	2011	ICPC 2011	4
ZibranR11a ZibranR11a	Minhaz F. Zibran, Chanchal K. Roy	A Constraint Programming Approach to Conflict-Aware Optimal Scheduling of Prioritized Code Clone Refactoring		[419]	2011	SCAM 2011	10
BertholdHLMS10 BertholdHLMS10	T. Berthold, S. Heinz, Marco E. Lübbecke, Rolf H. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling		[52]	2010	CPAIOR 2010	5
CobanH10 CobanH10	E. Coban, John N. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition		[82]	2010	CPAIOR 2010	5
Davenport10 Davenport10	Andrew J. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing		[87]	2010	CPAIOR 2010	5
GrimesH10 GrimesH10	D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach		[149]	2010	CPAIOR 2010	15
LombardiM10 LombardiM10	M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution		[244]	2010	CP 2010	15
MakMS10 MakMS10	K. Mak, J. Ma, W. Su	A constraint programming approach for production scheduling of multi-period virtual cellular manufacturing systems		[253]	2010	ICNC 2010	5
SchuttW10 SchuttW10	A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints		[334]	2010	CP 2010	15
SunLYL10 SunLYL10	Z. Sun, H. Li, M. Yao, N. Li	Scheduling Optimization Techniques for FlexRay Using Constraint-Programming		[349]	2010	GreenCom 2010	6
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		[4]	2009	CPAIOR 2009	2
AronssonBK09 AronssonBK09	M. Aronsson, M. Bohlin, P. Kreuger	MILP formulations of cumulative constraints for railway scheduling - A comparative study		[15]	2009	ATMOS 2009	null
Baptiste09 Baptiste09	P. Baptiste	Constraint-Based Schedulers, Do They Really Work?		[25]	2009	CP 2009	1
GrimesHM09 GrimesHM09	D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom		[151]	2009	CP 2009	9
Laborie09 Laborie09	P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems		[220]	2009	CPAIOR 2009	15
LombardiM09 LombardiM09	M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSP with Time Lags and Variable Durations		[243]	2009	CP 2009	15
MonetteDH09 MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck	Just-In-Time Scheduling with Constraint Programming		[266]	2009	ICAPS 2009	null
SchuttFSW09 SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds		[331]	2009	CP 2009	16

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
ThiruvadyBME09 ThiruvadyBME09 Vilim09 Vilim09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst P. Vilím	Hybridizing Beam-ACO with Constraint Programming for Single Machine Job Scheduling Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$ Max Energy Filtering Algorithm for Discrete Cumulative Resources		[361] [380] [381]	2009 2009 2009	HM 2009 CP 2009 CPAIOR 2009	15 15 15
cpaior-Vilim09 Vilim09	P. Vilím	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems		[31]	2008	CPAIOR 2008	5
BarlattCG08 BarlattCG08	A. Barlatt, Amy Mainville Cohn, Oleg Yu. Gusikhin	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles		[44]	2008	CPAIOR 2008	15
BeldiceanuCP08 BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder	Gap Reduction Techniques for Online Stochastic Project Scheduling		[102]	2008	CPAIOR 2008	16
DoomsH08 DoomsH08	G. Dooms, Pascal Van Hentenryck	The Steel Mill Slab Design Problem Revisited		[173]	2008	CPAIOR 2008	5
HentenryckM08 HentenryckM08	Pascal Van Hentenryck, L. Michel	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)		[226]	2008	CPAIOR 2008	5
LauLN08 LauLN08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network		[271]	2008	CP 2008	16
MouraSCL08 MouraSCL08 MouraSCL08a MouraSCL08a	Arnaldo Vieira Moura, Cid C. de Souza, André A. Ciré, Tony Minoru Tamura Lopes 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		[270]	2008	CSE 2008	8
PoderB08 PoderB08	E. Poder, N. Beldiceanu	Filtering for a Continuous Multi-Resources cumulative Constraint with Resource Consumption and Production	NO	[303]	2008	ICAPS 2008	8
WatsonB08 WatsonB08	J. Watson, J. Christopher Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem		[393]	2008	CPAIOR 2008	15
AkkerDH07 AkkerDH07	J. M. van den Akker, G. Diepen, J. A. Hoogeveen	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems		[370]	2007	CPAIOR 2007	15
BeldiceanuP07 BeldiceanuP07	N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production		[45]	2007	CPAIOR 2007	15
DavenportKRSH07 DavenportKRSH07	Andrew J. Davenport, J. Kalagnanam, C. Reddy, S. Siegel, J. Hou	An Application of Constraint Programming to Generating Detailed Operations Schedules for Steel Manufacturing		[88]	2007	CP 2007	13
GarganiR07 GarganiR07	A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem		[125]	2007	CP 2007	13
HoeveGSL07 HoeveGSL07	Willem Jan van Hoeve, Carla P. Gomes, B. Selman, M. Lombardi	Optimal Multi-Agent Scheduling with Constraint Programming		[373]	2007	AAAI 2007	6
KeriK07 KeriK07	A. Kéri, T. Kis	Computing Tight Time Windows for RCPSPWET with the Primal-Dual Method		[199]	2007	CPAIOR 2007	14
KrogtLPHJ07 KrogtLPHJ07	Roman van der Krogt, J. Little, K. Pulliam, S. Hanhilammi, Y. Jin	Scheduling for Cellular Manufacturing		[372]	2007	CP 2007	13
Limtanyakul07 Limtanyakul07	K. Limtanyakul	Scheduling of Tests on Vehicle Prototypes Using Constraint and Integer Programming		[236]	2007	GOR 2007	6
MonetteDD07 MonetteDD07	J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem		[265]	2007	CPAIOR 2007	14
RossiTHP07 RossiTHP07	R. Rossi, A. Tarim, B. Hnich, Steven D. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost		[321]	2007	CPAIOR 2007	15
BeniniBGM06 BeniniBGM06	L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs		[50]	2006	CPAIOR 2006	15
GomesHS06 GomesHS06	Carla P. Gomes, Willem Jan van Hoeve, B. Selman	Constraint Programming for Distributed Planning and Scheduling		[148]	2006	AAAI 2006	2
KhemmoudjPB06 KhemmoudjPB06	Mohand Ou Idir Khemmoudj, M. Porcheron, H. Bennaceur	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages		[201]	2006	CP 2006	13
KovacsV06 KovacsV06	A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP		[214]	2006	CPAIOR 2006	13
LiuJ06 LiuJ06	Y. Liu, Y. Jiang	LP-TPOP: Integrating Planning and Scheduling Through Constraint Programming		[240]	2006	PRICAI 2006	5



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Key	Authors	Title	LC	Cite	Year	Conference	Pages
QuSN06 QuSN06	Y. Qu, J. Soininen, J. Nurmi	Using Constraint Programming to Achieve Optimal Prefetch Scheduling for Dependent Tasks on Run-Time Reconfigurable Devices		[316]	2006	SoC 2006	4
AbrilSB05 AbrilSB05	M. Abril, Miguel A. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems		[3]	2005	CP 2005	1
ArtiouchineB05 ArtiouchineB05	K. Artiouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs		[18]	2005	CP 2005	15
CarchraeBF05 CarchraeBF05	T. Carchrae, J. Christopher Beck, Eugene C. Freuder	Methods to Learn Abstract Scheduling Models		[74]	2005	CP 2005	1
ChuX05 ChuX05	Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems		[79]	2005	CPAIOR 2005	15
DilkinaDH05 Dilki-naDH05	B. Dilkina, L. Duan, William S. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems		[100]	2005	CP 2005	5
FortinZDF05 FortinZDF05	J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling		[118]	2005	CP 2005	15
FrankK05 FrankK05	J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations		[119]	2005	CPAIOR 2005	18
Geske05 Geske05	U. Geske	Railway Scheduling with Declarative Constraint Programming		[139]	2005	INAP 2005	18
HebrardTW05 HebrardTW05	E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules		[162]	2005	CP 2005	1
KovacsEKV05 KovacsEKV05	A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System		[211]	2005	CP 2005	1
QuirogaZH05 QuirogaZH05	O. Quiroga, L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to Tool Allocation and Resource Scheduling in FMS		[317]	2005	ICRA 2005	6
Vilim05 Vilim05	P. Vilím	Computing Explanations for the Unary Resource Constraint		[379]	2005	CPAIOR 2005	14
WolfS05 WolfS05	A. Wolf, G. Schrader	$O(n \log n)$ Overload Checking for the Cumulative Constraint and Its Application		[398]	2005	INAP 2005	14
WuBB05 WuBB05	Christine Wei Wu, Kenneth N. Brown, J. Christopher Beck	Scheduling with Uncertain Start Dates		[401]	2005	CP 2005	1
cp-Hooker05 cp-Hooker05	John N. Hooker	Planning and Scheduling to Minimize Tardiness		[179]	2005	CP 2005	14
ArtiguesBF04 ArtiguesBF04	C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times		[16]	2004	CPAIOR 2004	13
HentenryckM04 HentenryckM04	Pascal Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search		[172]	2004	CPAIOR 2004	16
Hooker04 Hooker04	John N. Hooker	A Hybrid Method for Planning and Scheduling		[177]	2004	CP 2004	12
KovacsV04 KovacsV04	A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling		[213]	2004	CP 2004	15
LimRX04 LimRX04	A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes		[233]	2004	CP 2004	5
MaraveliasG04 MaraveliasG04	Christos T. Maravelias, Ignacio E. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes		[257]	2004	CPAIOR 2004	20
Sadykov04 Sadykov04	R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem		[323]	2004	CPAIOR 2004	7
Vilim04 Vilim04	P. Vilím	$O(n \log n)$ Filtering Algorithms for Unary Resource Constraint		[378]	2004	CPAIOR 2004	13
VilimBC04 VilimBC04	P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities		[383]	2004	CP 2004	15
VillaverdeP04 VillaverdeP04	K. Villaverde, E. Pontelli	An Investigation of Scheduling in Distributed Constraint Logic Programming	NO	[386]	2004	ISCA 2004	6
WolinskiKG04 WolinskiKG04	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A Constraints Programming Approach to Communication Scheduling on SoPC Architectures		[399]	2004	DSD 2004	8
WolinskiKG04a WolinskiKG04a	C. Wolinski, K. Kuchcinski, Maya B. Gokhale	A constraints programming approach to communication scheduling on SoPC architectures	NO	[400]	2004	FPGA 2004	1

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
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		[85]	2003	CP 2003	5
Kumar03 Kumar03	T. K. Satish Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models		[219]	2003	CP 2003	15
OddiPCC03 Odd-iPCC03	A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem		[288]	2003	CP 2003	15
ValleMGT03 ValleMGT03	Carmelo Del Valle, Antonio A. Márquez, Rafael M. Gasca, M. Toro	On Selecting and Scheduling Assembly Plans Using Constraint Programming		[369]	2003	KES 2003	8
Vilim03 Vilim03	P. Vilím	Computing Explanations for Global Scheduling Constraints		[377]	2003	CP 2003	1
Wolf03 Wolf03	A. Wolf	Pruning while Sweeping over Task Intervals		[397]	2003	CP 2003	15
Bartak02 Bartak02	R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling		[33]	2002	CP 2002	16
Bartak02a Bartak02a	R. Barták	Visopt ShopFloor: Going Beyond Traditional Scheduling		[32]	2002	ERCIM/CologNet 2002	15
BeldiceanuC02 BeldiceanuC02	N. Beldiceanu, M. Carlsson	A New Multi-resource cumulatives Constraint with Negative Heights		[42]	2002	CP 2002	17
ElkhyariGJ02 ElkhyariGJ02	A. Elkhyari, C. Guéret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems		[107]	2002	CP 2002	6
ElkhyariGJ02a ElkhyariGJ02a	A. Elkhyari, C. Guéret, N. Jussien	Solving Dynamic Resource Constraint Project Scheduling Problems Using New Constraint Programming Tools		[108]	2002	PATAT 2002	24
HookerY02 HookerY02	John N. Hooker, H. Yan	A Relaxation of the Cumulative Constraint		[182]	2002	CP 2002	5
KamarainenS02 KamarainenS02	O. Kamarainen, Hani El Sakkout	Local Probing Applied to Scheduling		[190]	2002	CP 2002	17
Muscettola02 Muscettola02	N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations		[275]	2002	CP 2002	16
Vilim02 Vilim02	P. Vilím	Batch Processing with Sequence Dependent Setup Times		[376]	2002	CP 2002	1
ZhuS02 ZhuS02	Kenny Qili Zhu, Andrew E. Santosa	A Meeting Scheduling System Based on Open Constraint Programming		[417]	2002	CAiSE 2002	5
VanczaM01 VanczaM01	J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning		[374]	2001	CP 2001	15
VerfaillieL01 VerfaillieL01	G. Verfaillie, M. Lemaître	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View		[375]	2001	CP 2001	15
AngelsmarkJ00 AngelsmarkJ00	O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra		[10]	2000	CP 2000	5
KorbaaYG99 KorbaaYG99	O. Korbaa, P. Yim, J. Gentina	Solving transient scheduling problem for cyclic production using timed Petri nets and constraint programming		[206]	1999	ECC 1999	8
CestaOS98 CestaOS98	A. Cesta, A. Oddi, Stephen F. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints		[77]	1998	CP 1998	1
FrostD98 FrostD98	D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units		[123]	1998	CP 1998	1
GruianK98 GruianK98	F. Gruian, K. Kuchinski	Operation Binding and Scheduling for Low Power Using Constraint Logic Programming		[155]	1998	EUROMICRO 1998	8
PembertonG98 PembertonG98	Joseph C. Pemberton, Flavius Galiber III	A constraint-based approach to satellite scheduling	NO	[298]	1998	DIMACS 1998	14
RodosekW98 RodosekW98	R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems		[320]	1998	CP 1998	15
BaptisteP97 BaptisteP97	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems		[28]	1997	CP 1997	15
BeckDF97 BeckDF97	J. Christopher Beck, Andrew J. Davenport, Mark S. Fox	Five Pitfalls of Empirical Scheduling Research		[37]	1997	CP 1997	15
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	[66]	1997	PACT 1997	18

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
Caseau97 Caseau97	Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel		[75]	1997	CP 1997	4
PapeB97 PapeB97	Claude Le Pape, P. Baptiste	A Constraint Programming Library for Preemptive and Non-Preemptive Scheduling	NO	[295]	1997	PACT 1997	20
Colombani96 Colombani96	Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem		[84]	1996	CP 1996	15
Zhou96 Zhou96	J. Zhou	A Constraint Program for Solving the Job-Shop Problem		[414]	1996	CP 1996	15
Goltz95 Goltz95	H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling		[147]	1995	CP 1995	14
Puget95 Puget95	J. Puget	Applications of Constraint Programming		[313]	1995	CP 1995	4
Simonis95 Simonis95	H. Simonis	The CHIP System and Its Applications		[343]	1995	CP 1995	4
SimonisC95 SimonisC95	H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints		[345]	1995	CP 1995	14
Touraivane95 Touraivane95	Touraivane	Constraint Programming and Industrial Applications		[366]	1995	CP 1995	3
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	[187]	1994	ILPS 1994	1
AggounB92 AggounB92	A. Aggoun, N. Beldiceanu	Extending CHIP in order to solve complex scheduling and placement problems	NO	[5]	1992	JFPL 1992	1
BaptisteLV92 BaptisteLV92	P. Baptiste, B. Legeard, C. Varnier	Hoist scheduling problem: an approach based on constraint logic programming		[30]	1992	ICRA 1992	6
ErtlK91 ErtlK91	M. Anton Ertl, A. Krall	Optimal Instruction Scheduling using Constraint Logic Programming		[109]	1991	PLILP 1991	12

### 3 Journal Articles

Table 2: Articles from bibtex

Key	Authors	Title	LC	Cite	Year	Journal	Pages
PrataAN23 PrataAN23	Bruno A. Prata, Levi R. Abreu, Marcelo S. Nagano	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis		[312]	2024	Results in Control and Optimization	1
abs-2402-00459 abs-2402-00459	S. Nguyen, Dhananjay R. Thiruvady, Y. Sun, M. Zhang	Genetic-based Constraint Programming for Resource Constrained Job Scheduling		[279]	2024	CoRR	null
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	NO	[90]	2023	Int. J. Prod. Res.	20
AkramNHRS23 AkramNHRS23	Bilal Omar Akram, Nor Kamariah Noordin, F. Hashim, Mohd Fadlee A. Rasid, Mustafa Ismael Salman, Abdulrahman M. Abdulghani	Joint Scheduling and Routing Optimization for Deterministic Hybrid Traffic in Time-Sensitive Networks Using Constraint Programming		[7]	2023	IEEE Access	16
Caballero23 Caballero23	Jordi Coll Caballero	Scheduling through logic-based tools		[71]	2023	Constraints An Int. J.	1
GurPAE23 GurPAE23	S. Gür, M. Pinarbasi, Haci Mehmet Alakas, T. Eren	Operating room scheduling with surgical team: a new approach with constraint programming and goal programming		[157]	2023	Central Eur. J. Oper. Res.	25
IsikYA23 IsikYA23	Eyüp Ensar Isik, Seyda Topaloglu Yildiz, Özge Satir Akpunar	Constraint programming models for the hybrid flow shop scheduling problem and its extensions		[186]	2023	Soft Comput.	28
LacknerMMWW23 LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Exact methods for the Oven Scheduling Problem		[224]	2023	Constraints An Int. J.	42
MontemanniD23 MontemanniD23	R. Montemanni, M. Dell'Amico	Solving the Parallel Drone Scheduling Traveling Salesman Problem via Constraint Programming		[268]	2023	Algorithms	1
MontemanniD23a MontemanniD23a	R. Montemanni, M. Dell'Amico	Constraint programming models for the parallel drone scheduling vehicle routing problem		[267]	2023	EURO J. Comput. Optim.	1

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Key	Authors	Title	LC	Cite	Year	Journal	Pages
ShaikhK23 ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	Management of electronic ledger: a constraint programming approach for solving curricula scheduling problems	NO	[336]	2023	Int. J. Electron. Secur. Digit. Forensics	12
YuraszeckMCCR23 YuraszeckMCCR23	F. Yuraszeck, E. Montero, D. Canut-de-Bon, N. Cuneo, M. Rojel	A Constraint Programming Formulation of the Multi-Mode Resource-Constrained Project Scheduling Problem for the Flexible Job Shop Scheduling Problem		[406]	2023	IEEE Access	11
abs-2305-19888 abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek	Constraint Programming and Constructive Heuristics for Parallel Machine Scheduling with Sequence-Dependent Setups and Common Servers		[170]	2023	CoRR	null
abs-2306-05747 abs-2306-05747	P. Tassel, M. Gebser, K. Schekotihin	An End-to-End Reinforcement Learning Approach for Job-Shop Scheduling Problems Based on Constraint Programming		[356]	2023	CoRR	null
abs-2312-13682 abs-2312-13682	G. Perez, G. Glorian, W. Suijlen, A. Lallouet	A Constraint Programming Model for Scheduling the Unloading of Trains in Ports: Extended		[300]	2023	CoRR	null
AbreuN22 AbreuN22	Levi Ribeiro de Abreu, Marcelo Seido Nagano	A new hybridization of adaptive large neighborhood search with constraint programming for open shop scheduling with sequence-dependent setup times		[89]	2022	Comput. Ind. Eng.	1
BourreauGGLT22 BourreauGGLT22	E. Bourreau, T. Garaix, M. Gondran, P. Lacomme, N. Tchernev	A constraint-programming based decomposition method for the Generalised Workforce Scheduling and Routing Problem (GWSRP)	NO	[68]	2022	Int. J. Prod. Res.	19
CampeauG22 CampeauG22	L. Campeau, M. Gamache	Short- and medium-term optimization of underground mine planning using constraint programming		[72]	2022	Constraints An Int. J.	18
FetgoD22 FetgoD22	S��verine Betmbe Fetgo, Cl��mentin Tayou Djam��gni	Horizontally Elastic Edge-Finder Algorithm for Cumulative Resource Constraint Revisited		[116]	2022	Oper. Res. Forum	null
HeinzNVH22 HeinzNVH22	V. Heinz, A. Nov��k, M. Vlk, Z. Hanz��lek	Constraint Programming and constructive heuristics for parallel machine scheduling with sequence-dependent setups and common servers		[169]	2022	Comput. Ind. Eng.	1
MullerMKP22 MullerMKP22	D. M��ller, Marcus Gerhard M��ller, D. Kress, E. Pesch	An algorithm selection approach for the flexible job shop scheduling problem: Choosing constraint programming solvers through machine learning		[272]	2022	Eur. J. Oper. Res.	18
PohlAK22 PohlAK22	M. Pohl, C. Artigues, R. Kolisch	Solving the time-discrete winter runway scheduling problem: A column generation and constraint programming approach		[305]	2022	Eur. J. Oper. Res.	16
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	NO	[337]	2022	Int. J. Prod. Res.	18
SubulanC22 SubulanC22	K. Subulan, G. ��akir	Constraint programming-based transformation approach for a mixed fuzzy-stochastic resource investment project scheduling problem		[347]	2022	Soft Comput.	38
YunusogluY22 YunusogluY22	P. Yunusoglu, Seyda Topaloglu Yildiz	Constraint programming approach for multi-resource-constrained unrelated parallel machine scheduling problem with sequence-dependent setup times	NO	[404]	2022	Int. J. Prod. Res.	18
abs-2211-14492 abs-2211-14492	Y. Sun, S. Nguyen, Dhananjay R. Thiruvady, X. Li, Andreas T. Ernst, U. Aickelin	Enhancing Constraint Programming via Supervised Learning for Job Shop Scheduling		[348]	2022	CoRR	null
AbohashimaEG21 AbohashimaEG21	H. Abohashima, Amr B. Eltawil, Mohamed S. Gheith	A Mathematical Programming Model and a Firefly-Based Heuristic for Real-Time Traffic Signal Scheduling With Physical Constraints		[2]	2021	IEEE Access	14
FanXG21 FanXG21	H. Fan, H. Xiong, M. Goh	Genetic programming-based hyper-heuristic approach for solving dynamic job shop scheduling problem with extended technical precedence constraints		[115]	2021	Comput. Oper. Res.	1
HubnerGSV21 HubnerGSV21	F. H��bner, P. Gerhards, C. St��rck, R. Volk	Solving the nuclear dismantling project scheduling problem by combining mixed-integer and constraint programming techniques and metaheuristics		[184]	2021	J. Sched.	22
KoehlerBFFHPSSS21 KoehlerBFFHPSSS21	J. Koehler, J. B��rgler, U. Fontana, E. Fux, Florian A. Herzog, M. Pouly, S. Saller, A. Salyaeva, P. Scheiblechner, K. Waelti	Cable tree wiring - benchmarking solvers on a real-world scheduling problem with a variety of precedence constraints		[205]	2021	Constraints An Int. J.	51

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Key	Authors	Title	LC	Cite	Year	Journal	Pages
PandeyS21a PandeyS21a	V. Pandey, P. Saini	Constraint programming versus heuristic approach to MapReduce scheduling problem in Hadoop YARN for energy minimization		[294]	2021	J. Supercomput.	29
QinWSLS21 WSLS21	Qin- 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		[314]	2021	IEEE Trans Autom. Sci. Eng.	12
VlkHT21 VlkHT21	M. Vlk, Z. Hanzálek, S. Tang	Constraint programming approaches to joint routing and scheduling in time-sensitive networks		[387]	2021	Comput. Ind. Eng.	1
ZhangYW21 ZhangYW21	L. Zhang, C. Yu, T. N. Wong	A graph-based constraint programming approach for the integrated process planning and scheduling problem		[411]	2021	Comput. Oper. Res.	1
AlizdehS20 AlizdehS20	S. Alizdeh, S. Saeidi	Fuzzy project scheduling with critical path including risk and resource constraints using linear programming	NO	[9]	2020	Int. J. Adv. Intell. Paradigms	14
AstrandJZ20 AstrandJZ20	M. Åstrand, M. Johansson, A. Zanarini	Underground mine scheduling of mobile machines using Constraint Programming and Large Neighborhood Search		[22]	2020	Comput. Oper. Res.	1
BadicaBI20 BadicaBI20	A. Badica, C. Badica, M. Ivanovic	Block structured scheduling using constraint logic programming	NO	[23]	2020	AI Commun.	17
BenediktMH20 BenediktMH20	O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states		[48]	2020	Constraints An Int. J.	19
LunardiBLRV20 LunardiBLRV20	Willian 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		[249]	2020	Comput. Oper. Res.	1
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		[262]	2020	Comput. Ind. Eng.	1
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	NO	[264]	2020	Int. J. Comput. Integr. Manuf.	14
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	NO	[306]	2020	Int. J. Prod. Res.	18
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		[315]	2020	Eur. J. Oper. Res.	18
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		[322]	2020	Oper. Res. Forum	null
WallaceY20 WallaceY20	M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem		[389]	2020	Constraints An Int. J.	19
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		[110]	2019	Comput. Chem. Eng.	10
NishikawaSTT19 NishikawaSTT19	H. Nishikawa, K. Shimada, I. Taniguchi, H. Tomiyama	A Constraint Programming Approach to Scheduling of Malleable Tasks	NO	[282]	2019	Int. J. Netw. Comput.	16
Novas19 Novas19	Juan M. Novas	Production scheduling and lot streaming at flexible job-shops environments using constraint programming		[284]	2019	Comput. Ind. Eng.	13
WikarekS19 WikarekS19	J. Wikarek, P. Sitek	A Constraint-Based Declarative Programming Framework for Scheduling and Resource Allocation Problems		[395]	2019	Vietnam. J. Comput. Sci.	22
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		[41]	2019	CoRR	null
abs-1902-01193 abs-1902-01193	O. M. Alade, A. O. Amusat	Solving Nurse Scheduling Problem Using Constraint Programming Technique		[8]	2019	CoRR	null
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		[160]	2019	CoRR	null
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		[134]	2019	CoRR	null

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Key	Authors	Title	LC	Cite	Year	Journal	Pages
BaptisteB18	Baptis-	P. Baptiste, N. Bonifas		[26]	2018	Discret. Appl. Math.	10
FahimiOQ18		H. Fahimi, Y. Ouellet, C. Quimper		[113]	2018	Constraints An Int. J.	22
FahimiOQ18							
GedikKEK18		R. Gedik, D. Kalathia, G. Egilmez, E. Kirac		[132]	2018	Comput. Ind. Eng.	11
GedikKEK18							
GokgurHO18		B. Gökgür, B. Hnich, S. Özpeynirci	NO	[145]	2018	Int. J. Prod. Res.	17
GokgurHO18							
LaborieRSV18	Labori-	P. Laborie, J. Rogerie, P. Shaw, P. Vilím		[222]	2018	Constraints An Int. J.	41
eRSV18							
PourDERB18	Pour-	Shahrzad M. Pour, John H. Drake, Lena Secher Ejlertsen, Kourosh Marjani Rasmussen, Edmund K. Burke		[308]	2018	Eur. J. Oper. Res.	12
DERB18							
ShinBBHO18		Seung Yeob Shin, Y. Brun, H. Balasubramanian, Philip L. Henneman, Leon J. Osterweil		[338]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16
ShinBBHO18							
TangLWSK18	Tan-	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	NO	[353]	2018	Comput. Aided Civ. Infrastructure Eng.	28
TangLWSK18							
ZhangW18	ZhangW18	S. Zhang, S. Wang		[412]	2018	IEEE Trans. Engineering Management	18
KreterSS17	KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey		[217]	2017	Constraints An Int. J.	31
NattafAL17	NattafAL17	M. Nattaf, C. Artigues, P. Lopez		[277]	2017	Constraints An Int. J.	18
Bonfietti16	Bonfietti16	A. Bonfietti	NO	[60]	2016	Intelligenza Artificiale	13
DoulabiRP16	Doula-	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	NO	[104]	2016	INFORMS J. Comput.	17
biRP16							
NovaraNH16	No-	Franco M. Novara, Juan M. Novas, Gabriela P. Henning		[283]	2016	Comput. Chem. Eng.	17
NovaraNH16							
ZarandiKS16		M. H. Fazel Zarandi, H. Khorshidian, Mohsen Akbarpour Shirazi		[407]	2016	J. Intell. Manuf.	17
ZarandiKS16							
EvenSH15a	EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck		[112]	2015	CoRR	null
GoelSHFS15		V. Goel, M. Slusky, Willem-Jan van Hoeve, Kevin C. Furman, Y. Shao		[144]	2015	Eur. J. Oper. Res.	12
GoelSHFS15							
Kameugne15		R. Kameugne		[191]	2015	Constraints An Int. J.	2
Kameugne15							
LetortCB15	LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu		[230]	2015	Constraints An Int. J.	52
NattafAL15	NattafAL15	M. Nattaf, C. Artigues, P. Lopez		[276]	2015	Constraints An Int. J.	21
Siala15	Siala15	M. Siala		[339]	2015	Constraints An Int. J.	2
SimoninAHL15	Simoni-	G. Simonin, C. Artigues, E. Hebrard, P. Lopez		[342]	2015	Constraints An Int. J.	23
SimoninAHL15							
WangMD15	WangMD15	T. Wang, N. Meskens, D. Duvivier		[392]	2015	Eur. J. Oper. Res.	13
GrimesIOS14	Grime-	D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis		[152]	2014	Sustain. Comput. Informatics Syst.	16
sIOS14							
KameugneFSN14		R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu		[195]	2014	Constraints An Int. J.	27
KameugneFSN14							

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Key	Authors	Title	LC	Cite	Year	Journal	Pages
NovasH14 NovasH14	Juan M. Novas, Gabriela P. Henning	Integrated scheduling of resource-constrained flexible manufacturing systems using constraint programming		[287]	2014	Expert Syst. Appl.	14
BegB13 BegB13	Mirza Omer Beg, Peter van Beek	A constraint programming approach for integrated spatial and temporal scheduling for clustered architectures	NO	[39]	2013	ACM Trans. Embed. Comput. Syst.	23
HeinzSB13 HeinzSB13	S. Heinz, J. Schulz, J. Christopher Beck	Using dual presolving reductions to reformulate cumulative constraints		[168]	2013	Constraints An Int. J.	36
OzturkTHO13 Ozturk-THO13	C. Öztürk, S. Tunali, B. Hnich, M. Arslan Ornek	Balancing and scheduling of flexible mixed model assembly lines		[293]	2013	Constraints An Int. J.	36
HeinzSSW12 HeinzSSW12	S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems		[166]	2012	Constraints An Int. J.	12
LimtanyakulS12 LimtanyakulS12	K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes		[237]	2012	Constraints An Int. J.	32
LombardiM12 LombardiM12	M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey		[245]	2012	Constraints An Int. J.	35
NovasH12 NovasH12	Juan M. Novas, Gabriela P. Henning	A comprehensive constraint programming approach for the rolling horizon-based scheduling of automated wet-etch stations		[286]	2012	Comput. Chem. Eng.	17
BartakS11 BartakS11	R. Barták, Miguel A. Salido	Constraint satisfaction for planning and scheduling problems		[34]	2011	Constraints An Int. J.	5
BeckFW11 BeckFW11	J. Christopher Beck, T. K. Feng, J. Watson	Combining Constraint Programming and Local Search for Job-Shop Scheduling	NO	[38]	2011	INFORMS J. Comput.	14
BeldiceanuCDP11 BeldiceanuCDP11	N. Beldiceanu, M. Carlsson, S. Demasse, E. Poder	New filtering for the <i>cumulative</i> constraint in the context of non-overlapping rectangles		[43]	2011	Ann. Oper. Res.	24
HachemiGR11 HachemiGR11	Nizar El Hachemi, M. Gendreau, L. Rousseau	A hybrid constraint programming approach to the log-truck scheduling problem		[158]	2011	Ann. Oper. Res.	16
KelbelH11 KelbelH11	J. Kelbel, Z. Hanzálek	Solving production scheduling with earliness/tardiness penalties by constraint programming		[198]	2011	J. Intell. Manuf.	10
KovacsB11 KovacsB11	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for unary resources		[210]	2011	Constraints An Int. J.	24
KovacsK11 KovacsK11	A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem		[212]	2011	Constraints An Int. J.	24
SchausHMCMD11 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		[326]	2011	Constraints An Int. J.	23
SchuttFSW11 SchuttFSW11	A. Schutt, T. Feydy, Peter J. Stuckey, Mark G. Wallace	Explaining the cumulative propagator		[332]	2011	Constraints An Int. J.	33
TopalogluO11 TopalogluO11	S. Topaloglu, I. Ozkaran	A constraint programming-based solution approach for medical resident scheduling problems		[364]	2011	Comput. Oper. Res.	10
TrojetHL11 TrojetHL11	M. Trojet, F. H'Mida, P. Lopez	Project scheduling under resource constraints: Application of the cumulative global constraint in a decision support framework		[367]	2011	Comput. Ind. Eng.	7
LopesCSM10 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		[246]	2010	Constraints An Int. J.	39
NovasH10 NovasH10	Juan M. Novas, Gabriela P. Henning	Reactive scheduling framework based on domain knowledge and constraint programming		[285]	2010	Comput. Chem. Eng.	20
ZaballosQH10 ZaballosQH10	L. Zaballos, O. Quiroga, Gabriela P. Henning	A constraint programming model for the scheduling of flexible manufacturing systems with machine and tool limitations		[409]	2010	Eng. Appl. Artif. Intell.	20
BocewiczBB09 BocewiczBB09	G. Bocewicz, I. Bach, Zbigniew Antoni Banaszak	Logic-algebraic method based and constraints programming driven approach to AGVs scheduling	NO	[56]	2009	Int. J. Intell. Inf. Database Syst.	19
GarridoAO09 GarridoAO09	A. Garrido, M. Arangú, E. Onaindia	A constraint programming formulation for planning: from plan scheduling to plan generation		[126]	2009	J. Sched.	30
abs-0907-0939 abs-0907-0939	T. Petit, E. Poder	The Soft Cumulative Constraint		[302]	2009	CoRR	null
GarridoOS08 GarridoOS08	A. Garrido, E. Onaindia, Óscar Sapena	Planning and scheduling in an e-learning environment. A constraint-programming-based approach		[127]	2008	Eng. Appl. Artif. Intell.	11

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Key	Authors	Title	LC	Cite	Year	Journal	Pages
KovacsB08 KovacsB08	A. Kovács, J. Christopher Beck	A global constraint for total weighted completion time for cumulative resources		[209]	2008	Eng. Appl. Artif. Intell.	7
LiessM08 LiessM08	O. Liess, P. Michelon	A constraint programming approach for the resource-constrained project scheduling problem		[232]	2008	Ann. Oper. Res.	12
MalikMB08 MalikMB08	Abid M. Malik, J. McInnes, Peter van Beek	Optimal Basic Block Instruction Scheduling for Multiple-Issue Processors Using Constraint Programming	NO	[256]	2008	Int. J. Artif. Intell. Tools	18
Simonis07 Simonis07	H. Simonis	Models for Global Constraint Applications		[344]	2007	Constraints An Int. J.	30
Hooker06 Hooker06	John N. Hooker	An Integrated Method for Planning and Scheduling to Minimize Tardiness		[180]	2006	Constraints An Int. J.	19
KhayatLR06 KhayatLR06	Ghada El Khayat, A. Langevin, D. Riopel	Integrated production and material handling scheduling using mathematical programming and constraint programming		[200]	2006	Eur. J. Oper. Res.	15
SadykovW06 SadykovW06	R. Sadykov, Laurence A. Wolsey	Integer Programming and Constraint Programming in Solving a Multimachine Assignment Scheduling Problem with Deadlines and Release Dates	NO	[324]	2006	INFORMS J. Comput.	9
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	NO	[350]	2006	Int. J. Parallel Emergent Distributed Syst.	19
Hooker05 Hooker05	John N. Hooker	A Hybrid Method for the Planning and Scheduling		[178]	2005	Constraints An Int. J.	17
VilimBC05 VilimBC05	P. Vilím, R. Barták, O. Cepek	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Activities		[384]	2005	Constraints An Int. J.	23
ZeballosH05 ZeballosH05	L. Zeballos, Gabriela P. Henning	A Constraint Programming Approach to FMS Scheduling. Consideration of Storage and Transportation Resources		[408]	2005	Inteligencia Artif.	10
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		[304]	2004	Eur. J. Oper. Res.	16
KuchcinskiW03 KuchcinskiW03	K. Kuchcinski, C. Wolinski	Global approach to assignment and scheduling of complex behaviors based on HCDG and constraint programming		[218]	2003	J. Syst. Archit.	15
Tsang03 Tsang03	Edward P. K. Tsang	Constraint Based Scheduling: Applying Constraint Programming to Scheduling Problems		[368]	2003	J. Sched.	2
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	NO	[248]	2002	J. Oper. Res. Soc.	8
Timpe02 Timpe02	C. Timpe	Solving planning and scheduling problems with combined integer and constraint programming		[362]	2002	OR Spectr.	18
MartinPY01 MartinPY01	F. Martin, A. Pinkney, X. Yu	Cane Railway Scheduling via Constraint Logic Programming: Labelling Order and Constraints in a Real-Life Application		[258]	2001	Ann. Oper. Res.	17
Mason01 Mason01	Andrew J. Mason	Elastic Constraint Branching, the Wedelin/Carmen Lagrangian Heuristic and Integer Programming for Personnel Scheduling		[259]	2001	Ann. Oper. Res.	38
ArtiguesR00 ArtiguesR00	C. Artigues, F. Roubellat	A polynomial activity insertion algorithm in a multi-resource schedule with cumulative constraints and multiple modes		[17]	2000	Eur. J. Oper. Res.	20
BaptisteP00 BaptisteP00	P. Baptiste, Claude Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems		[29]	2000	Constraints An Int. J.	21
HeipckeCCS00 HeipckeCCS00	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza	Scheduling under Labour Resource Constraints		[171]	2000	Constraints An Int. J.	8
KorbaaYG00 KorbaaYG00	O. Korbaa, P. Yim, J. Gentina	Solving Transient Scheduling Problems with Constraint Programming		[207]	2000	Eur. J. Control	10
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		[247]	2000	Eur. J. Control	4
SakkoutW00 SakkoutW00	Hani El Sakkout, M. Wallace	Probe Backtrack Search for Minimal Perturbation in Dynamic Scheduling		[325]	2000	Constraints An Int. J.	30
SchildW00 SchildW00	K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems		[327]	2000	Constraints An Int. J.	23



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Key	Authors	Title	LC	Cite	Year	Journal	Pages
BensanaLV99	Ben-sanaLV99	E. Bensana, M. Lemaître, G. Verfaillie		[51]	1999	Constraints An Int. J.	7
BelhadjiI98	BelhadjiI98	S. Belhadji, A. Isli		[46]	1998	Constraints An Int. J.	9
PapaB98	PapaB98	Claude Le Pape, P. Baptiste		[296]	1998	Constraints An Int. J.	25
Darby-DowmanLMZ97	Darby-DowmanLMZ97	K. Darby-Dowman, J. Little, G. Mitra, M. Zafalon		[86]	1997	Constraints An Int. J.	20
FalaschiGMP97	FalaschiGMP97	M. Falaschi, M. Gabbrielli, K. Marriott, C. Palamidessi		[114]	1997	Inf. Comput.	27
Zhou97	Zhou97	J. Zhou		[415]	1997	Constraints An Int. J.	29
Wallace96	Wallace96	M. Wallace		[388]	1996	Constraints An Int. J.	30
Tay92	Tay92	David B. H. Tay	NO	[357]	1992	Comput. J.	null
DincbasSH90	DincbasSH90	M. Dincbas, H. Simonis, Pascal Van Hentenryck		[101]	1990	J. Log. Program.	19

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Emmanuel Hebrard	JuvinHHL23[188] AntuoriHHEN21[11] GodetLHS20[143] SimoninAHL15[342] SialaAH15[340] BessiereHMQW14[53] SimoninAHL12[341] BillautHL12[54] GrimesH11[150] GrimesH10[149] GrimesHM09[151] HebrardTW05[162]
Laurent Houssin	JuvinHHL23[188] JuvinHL23[189]
Pierre Lopez	JuvinHHL23[188] JuvinHL23[189] Polo-MejiaALB20[306] NattafAL17[277] SimoninAHL15[342] NattafAL15[276] SimoninAHL12[341] BillautHL12[54] LahimerLH11[225] TrojetHL11[367] LopezAKYG00[247]
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Nahum Álvarez	PovedaAA23[309]
Christian Artigues	PovedaAA23[309] PohlAK22[305] Polo-MejiaALB20[306] NattafAL17[277] SimoninAHL15[342] NattafAL15[276] SialaAH15[340] SimoninAHL12[341] ArtiguesBF04[16] ArtiguesR00[17]
Younes Aalian	AalianPG23[1]
Gilles Pesant	AalianPG23[1] DoulabiRP16[104] PesantRR15[301] DoulabiRP14[103]
Michel Gamache	AalianPG23[1] CampeauG22[72]
Roger Kameugne	KameugneFND23[193] KameugneFGOQ18[192] Kameugne15[191] KameugneFSN14[195] KameugneFSN11[194]
Séverine Betmbe Fetgo	KameugneFND23[193] FetgoD22[116] KameugneFGOQ18[192]
Thierry Noulamo	KameugneFND23[193]
Clémentin Tayou Djamégni	KameugneFND23[193] FetgoD22[116]
Eddie Armstrong	ArmstrongGOS22[14] ArmstrongGOS21[13]
Michele Garraffa	ArmstrongGOS22[14] ArmstrongGOS21[13]
Barry O'Sullivan	ArmstrongGOS22[14] ArmstrongGOS21[13] GrimesIOS14[152] IfrimOS12[185]
Helmut Simonis	ArmstrongGOS22[14] ArmstrongGOS21[13] GrimesIOS14[152] IfrimOS12[185] Simonis07[344] SimonisC95[345] Simonis95[343] DincbasSH90[101]
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Neil Yorke-Smith	EfthymiouY23[106] WallaceY20[389]
Samuel Squillaci	SquillaciPR23[346]
Cédric Pralet	SquillaciPR23[346] Pralet17[310] PraletLJ15[311]
Stéphanie Roussel	SquillaciPR23[346]
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Myunggho Lee	KimCMLLP23[202]
Kangbok Lee	KimCMLLP23[202]
Michael L. Pinedo	KimCMLLP23[202]
Fabio Tardivo	TardivoDFMP23[354]
Agostino Dovier	TardivoDFMP23[354]
Andrea Formisano	TardivoDFMP23[354]
Laurent Michel	TardivoDFMP23[354] SchausHMCMD11[326] HentenryckM08[173] HentenryckM04[172]
Enrico Pontelli	TardivoDFMP23[354] VillaverdeP04[386]
Raphaël Boudreault	BoudreaultSLQ22[67]
Vanessa Simard	BoudreaultSLQ22[67]
Daniel Lafond	BoudreaultSLQ22[67]
Claude-Guy Quimper	BoudreaultSLQ22[67] OuelletQ22[291] Mercier-AubinGQ20[263] FahimiOQ18[113] KameugneFGOQ18[192] OuelletQ18[290] GingrasQ16[141] BessiereHMqw14[53] OuelletQ13[289]
Louis Popovic	PopovicCGNC22[307]
Alain Côté	PopovicCGNC22[307]
Mohamed Gaha	PopovicCGNC22[307]
Franklin Nguewouo	PopovicCGNC22[307]
Quentin Cappart	PopovicCGNC22[307] CappartS17[73]
Felix Winter	LacknerMMWW23[224] WinterMMW22[396] LacknerMMWW21[223] GeibingerKKMMW21[133]
Sebastian Meiswinkel	WinterMMW22[396]
Nysret Musliu	LacknerMMWW23[224] WinterMMW22[396] LacknerMMWW21[223] GeibingerKKMMW21[133] GeibingerMM21[136] GeibingerMM19[135] abs-1911-04766[134] KletzanderM17[204]
Daniel Walkiewicz	LacknerMMWW23[224] WinterMMW22[396] LacknerMMWW21[223]
Marc Geitz	GeitzGSSW22[137]
Cristian Grozea	GeitzGSSW22[137]
Wolfgang Steigerwald	GeitzGSSW22[137]
Robin Stöhr	GeitzGSSW22[137]
Armin Wolf	GeitzGSSW22[137] SchuttW10[334] WolfS05[398] Wolf03[397]
Yanick Ouellet	OuelletQ22[291] FahimiOQ18[113] KameugneFGOQ18[192] OuelletQ18[290]
Valentin Antuori	AntuoriHHEN21[11]
Marie-José Huguet	AntuoriHHEN21[11]
Siham Essodaigui	AntuoriHHEN21[11]
Alain Nguyen	AntuoriHHEN21[11]
Benjamin Kovács	KovacsTKSG21[215]
Pierre Tassel	TasselGS23[355] abs-2306-05747[356] KovacsTKSG21[215]
Wolfgang Kohlenbrein	KovacsTKSG21[215]
Philipp Schrott-Kostwein	KovacsTKSG21[215]
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Christoph Mrkvicka	LacknerMMWW23[224] LacknerMMWW21[223]
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Max Åstrand	Astrand0F21[20] Astrand21[19] AstrandJZ20[22] AstrandJZ18[21]
Mikael Johansson	Astrand0F21[20] AstrandJZ20[22] AstrandJZ18[21]
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Florian Mischek	GeibingerKKMMW21[133] GeibingerMM21[136] GeibingerMM19[135] abs-1911-04766[134]
Margaux Nattaf	NattafM20[278] MalapertN19[254] NattafAL17[277] NattafAL15[276]
Arnaud Malapert	NattafM20[278] MalapertN19[254] GrimesHM09[151]
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Johan Wessén	WessenCS20[394]
Mats Carlsson	WessenCS20[394] MossigeGSMC17[269] LetortCB15[230] LetortCB13[229] LetortBC12[228] BeldiceanuCDP11[43] BeldiceanuCP08[44] BeldiceanuC02[42]
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Cristian Galleguillos	GalleguillosKSB19[124]
Zeynep Kiziltan	GalleguillosKSB19[124]
Alina Sirbu	GalleguillosKSB19[124]
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Peter Scheiblechner	KoehlerBFFHPSSS21[205]
Kai Waelti	KoehlerBFFHPSSS21[205]
Ondrej Benedikt	BenediktMH20[48] BenediktSMVH18[49]
István Módos	BenediktMH20[48] BenediktSMVH18[49]
Zdenek Hanzálek	Mehdizadeh-Somarin23[260] abs-2305-19888[170] HeinzNVH22[169] VlkHT21[387] BenediktMH20[48] BenediktSMVH18[49] KelbelH11[198]
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Jerome Rogerie	LaborieRSV18[222]
Paul Shaw	LaborieRSV18[222] VilimLS15[385]
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Arnaud Letort	LetortCB15[230] LetortCB13[229] LetortBC12[228]
Nicolas Beldiceanu	Madi-WambaLOBM17[252] Madi-WambaB16[251] LetortCB15[230] LetortCB13[229] LetortBC12[228] ClercqPBJ11[81] BeldiceanuCDP11[43] BeldiceanuCP08[44] PoderB08[303] BeldiceanuP07[45] PoderBS04[304] BeldiceanuC02[42] AggounB92[5]
Mohamed Siala	Siala15[339] SialaAH15[340]
Laure Pauline Fotso	KameugneFSN14[195] KameugneFSN11[194]
Joseph D. Scott	KameugneFSN14[195] KameugneFSN11[194]
Youcheu Ngo-Kateu	KameugneFSN14[195] KameugneFSN11[194]
Stefan Heinz	HeinzSB13[168] HeinzKB13[165] HeinzSSW12[166] HeinzB12[164] HeinzS11[167] BertholdHLMS10[52]
Jens Schulz	HeinzSB13[168] HeinzS11[167] BertholdHLMS10[52]
Cemalettin Öztürk	OzturkTHO13[293]
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M. Arslan Ornek	OzturkTHO13[293]
Thomas Schlechte	HeinzSSW12[166]
Rüdiger Stephan	HeinzSSW12[166]
Michael Winkler	HeinzSSW12[166]
Michele Lombardi	BonfiettiZLM16[64] LombardiBM15[241] BartoliniBBLM14[35] BonfiettiLM14[63] LombardiM12[245] BonfiettiLBM12[62] BonfiettiLBM11[61] LombardiBMB11[242] LombardiM10[244] LombardiM09[243] HoeveGSL07[373]
Michela Milano	BonfiettiZLM16[64] LombardiBM15[241] BartoliniBBLM14[35] BonfiettiLM14[63] LombardiM12[245] BonfiettiLBM12[62] BonfiettiLBM11[61] LombardiBMB11[242] LombardiM10[244] LombardiM09[243] BeniniBGM06[50]
Kamol Limtanyakul	LimtanyakulS12[237] Limtanyakul07[236]
Uwe Schwiigelshohn	LimtanyakulS12[237]
András Kovács	KovacsB11[210] KovacsK11[212] KovacsB08[209] KovacsV06[214] KovacsEKV05[211] KovacsV04[213]
Pierre Schaus	CappartS17[73] CauwelaertDMS16[76] DejemeppeCS15[92] GayHLS15[128] GayHS15[129] cpaioir-GayHS15[130] HoundjiSWD14[183] GaySS14[131] SchausHMCMD11[326]
Pascal Van Hentenryck	FontaineMH16[117] EvenSH15[111] EvenSH15a[112] SchausHMCMD11[326] MonetteDH09[266] DooomsH08[102] HentenryckM08[173] HentenryckM04[172] DincbasSH90[101]
Jean-Noël Monette	CauwelaertDMS16[76] SchausHMCMD11[326] MonetteDH09[266] MonetteDD07[265]
Carleton Coffrin	SchausHMCMD11[326]
Yves Deville	HoundjiSWD14[183] DejemeppeD14[93] SchausHMCMD11[326] MonetteDH09[266] MonetteDD07[265]
Roman Barták	BartakS11[34] VilimBC05[384] VilimBC04[383] Bartak02[33] Bartak02a[32]
Miguel A. Salido	BartakS11[34] AbrilSB05[3]
Thibaut Feydy	YoungFS17[403] SchuttFS13[330] cpaioir-SchuttFS13[329] SchuttFSW11[332] SchuttFSW09[331]
Mark G. Wallace	SchuttCSW12[328] SchuttFSW11[332]
Tamás Kis	KovacsK11[212] KeriK07[199] KovacsEKV05[211]
Tony Minoru Tamura Lopes	LopesCSM10[246] MouraSCL08[271] MouraSCL08a[270]
André A. Ciré	CireCH13[80] LopesCSM10[246] MouraSCL08[271] MouraSCL08a[270]
Cid Carvalho de Souza	LopesCSM10[246]
Arnaldo Vieira Moura	LopesCSM10[246] MouraSCL08[271] MouraSCL08a[270]
John N. Hooker	Hooker17[181] HechingH16[163] CireCH13[80] CobanH10[82] Hooker06[180] Hooker05[178] cp-Hooker05[179] Hooker04[177] HookerY02[182]
Ondrej Cepek	VilimBC05[384] VilimBC04[383]
Philippe Baptiste	BaptisteB18[26] Baptiste09[25] BaptisteLPN06[27] ArtiouchineB05[18] BaptisteP00[29] PapaB98[296] BaptisteP97[28] PapeB97[295]
Claude Le Pape	BaptisteLPN06[27] BaptisteP00[29] PapaB98[296] BaptisteP97[28] PapeB97[295]
Klaus Schild	SchildW00[327]
Jörg Würtz	SchildW00[327]
Hani El Sakkout	KamarainenS02[190] SakkoutW00[325]
Susanne Heipcke	HeipckeCCS00[171]
Yves Colombani	HeipckeCCS00[171] Colombani96[84]
Cristina C. B. Cavalcante	HeipckeCCS00[171]
Cid C. de Souza	MouraSCL08[271] MouraSCL08a[270] HeipckeCCS00[171]
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Ken Darby-Dowman	Darby-DowmanLMZ97[86]
James Little	KrogtLPHJ07[372] Darby-DowmanLMZ97[86]
Gautam Mitra	Darby-DowmanLMZ97[86]
Marco Zaffalon	Darby-DowmanLMZ97[86]
Diarmuid Grimes	GrimesIOS14[152] GrimesH11[150] GrimesH10[149] GrimesHM09[151]
Georgiana Ifrim	GrimesIOS14[152] IfrimOS12[185]
Alexander Tesch	Tesch18[360] Tesch16[359]
Shan He	He0GLW18[161]
Graeme Gange	He0GLW18[161]
Ariel Liebman	He0GLW18[161]
Campbell Wilson	He0GLW18[161]
Miquel Bofill	BofillCSV17[57] BofillGSV15[59] BofillEGPSV14[58]
Jordi Coll	BofillCSV17[57]
Josep Suy	BofillCSV17[57] BofillGSV15[59] BofillEGPSV14[58]
Mateu Villaret	BofillCSV17[57] BofillGSV15[59] BofillEGPSV14[58]
Kenneth D. Young	YoungFS17[403]
Adrian Goldwaser	GoldwaserS17[146]
Tong Liu	LiuCGM17[239]
Roberto Di Cosmo	LiuCGM17[239]
Maurizio Gabbrielli	LiuCGM17[239] FalaschiGMP97[114]
Jacopo Mauro	LiuCGM17[239]
Morten Mossige	MossigeGSMC17[269]
Arnaud Gotlieb	MossigeGSMC17[269] AlesioNBG14[99]
Helge Spieker	MossigeGSMC17[269]
Hein Meling	MossigeGSMC17[269]
Alessio Bonfietti	BonfiettiZLM16[64] Bonfietti16[60] LombardiBM15[241] BonfiettiLM14[63] BonfiettiLBM12[62] BonfiettiLBM11[61] LombardiBMB11[242]
Alessandro Zanarini	AstrandJZ20[22] AstrandJZ18[21] BonfiettiZLM16[64]
Ria Szeredi	SzerediS16[351]
Sascha Van Cauwelaert	CauwelaertDMS16[76] DejemeppeCS15[92]
Cyrille Dejemeppe	CauwelaertDMS16[76] Dejemeppe16[91] DejemeppeCS15[92] DejemeppeD14[93]
Kyle E. C. Booth	BoothNB16[65]
Goldie Nejat	BoothNB16[65]
Katherine Giles	GilesH16[140]
Willem-Jan van Hoeve	GilesH16[140] GoelSHFS15[144]
BoonPing Lim	LimHTB16[234] LimBTBB15[235]
Hassan L. Hijazi	LimHTB16[234]
Sylvie Thi�baux	LimHTB16[234] LimBTBB15[235]
Menkes van den Briel	LimHTB16[234] LimBTBB15[235]
Steven Gay	GayHLS15[128] GayHS15[129] cpaioir-GayHS15[130] GaySS14[131]
Renaud Hartert	GayHLS15[128] GayHS15[129] cpaioir-GayHS15[130]
Christophe Lecoutre	GayHLS15[128]
Caroline Even	EvenSH15[111] EvenSH15a[112]
Se�n �g Murphy	MurphyMB15[274]
Oscar Manzano	MurphyMB15[274]
Kenneth N. Brown	MurphyMB15[274] WuBB05[401]
Solange Lemai-Chenevier	PraletLJ15[311]
Jean Jaubert	PraletLJ15[311]
Alban Derrien	Derrien15[96] DerrienP14[97] DerrienPZ14[98]
Thierry Petit	DerrienP14[97] DerrienPZ14[98] ClercqPBJ11[81] abs-0907-0939[302]
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Marc Garcia	BofillGSV15[59] BofillEGPSV14[58]
Miquel Palahí	BofillEGPSV14[58]
Stefano Di Alesio	AlesioNBG14[99]
Shiva Nejati	AlesioNBG14[99]
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Xavier Lorca	GodetLHS20[143] HermenierDL11[174]
Luca Benini	BonfiettiLBM12[62] BonfiettiLBM11[61] LombardiBMB11[242] BeniniBGM06[50]
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Andrew J. Davenport	Davenport10[87] DavenportKRSH07[88] BeckDF97[37]
Jayant Kalagnanam	DavenportKRSH07[88]
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Marc Porcheron	KhemmoudjPB06[201]
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Konstantin Artiouchine	ArtiouchineB05[18]
Jérôme Fortin	FortinZDF05[118]
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William S. Havens	DilkinaDH05[100]
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Tom Carchrae	CarchraeBF05[74]
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Nicolas Bonifas	BaptisteB18[26]
Mariem Trojet	TrojetHL11[367]
Fehmi H'Mida	TrojetHL11[367]
Martin Aronsson	AronssonBK09[15]
Markus Bohlin	AronssonBK09[15]
Per Kreuger	AronssonBK09[15]
Gunnar Schrader	WolfS05[398]
François Roubellat	ArtiguesR00[17]
Abderrahmane Aggoun	AggounB92[5]
Eric Sanlaville	PoderBS04[304]
Yunbo Li	Madi-WambaLOBM17[252]
Anne-Cécile Orgerie	Madi-WambaLOBM17[252]
Jean-Marc Menaud	Madi-WambaLOBM17[252]
Mehmet Dincbas	DincbasSH90[101]

## 5 Problem Classification

Table 4: Problem Classification Types

Code	Name
JSSP	Job-Shop Scheduling Problem
JSPT	Job-Shop Scheduling Problem with Transportation
PP-MS-MMRCPPSP/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 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
AalianPG23 [1]	scheduling, order, activity, resource, machine, preempt, transportation, make span, flow shop		cumulative, nooverlap, end-beforestart, alwaysin		cplex, cpo		mining industry	real world	
AbohashimaEG21 [2]	scheduling, order, resource, machine, transportation, cmax, setup time	parallel machine		python	gurobi			generated instance, real world, <a href="https://github.com">https://, github</a>	
AbreuN22 [89]	scheduling, order, job, task, resource, machine, preempt, transportation, inventory, make span, cmax, completion time, flow time, tardiness, flow shop, job shop, open shop, setup time, distributed, batch process	single machine, OSSP, Open Shop Scheduling Problem	cumulative, nooverlap	python	cplex			benchmark, real world, <a href="http://">http://</a> , <a href="https://">https://</a>	
AbreuNP23 [90]									
AbriSB05 [3]	scheduling, order, distributed, multi agent							<a href="http://">http://</a>	
Acuna-AgostMFG09 [4]	scheduling, order, transportation, re scheduling								
AggounB92 [5]									
AkkerDH07 [370]	scheduling, order, job, resource, machine, precedence, preempt, sequence dependent setup, make span, cmax, completion time, lateness, release date, due date	RCPSP, single machine, parallel machine	cumulative		cplex				
AkramNHRS23 [7]	scheduling, order, task, resource, machine, preempt, completion time, distributed		bin packing	python	or tools			benchmark, <a href="https://">https://</a>	
AlesioNBG14 [99]	scheduling, order, job, task, activity, resource, preempt, make span, completion time, job shop, open shop, distributed		alldifferent		cplex, OPL			benchmark, <a href="http://">http://</a>	
AlizdehS20 [9]									
AngelsmarkJ00 [10]	scheduling, order, job, task, resource, job shop								
AntuoriHHEN21 [11]	scheduling, order, job, task, resource, machine, precedence, transportation, tardiness, job shop, release date, due date			java , C++	gecode, choco		automotive industry	supplementary material, <a href="http://">http://</a> , <a href="https://">https://</a> , <a href="https://">https://</a> , gitlab	
ArbaouiY18 [12]	scheduling, order, job, resource, machine, sequence dependent setup, make span, cmax, completion time, setup time	single machine, parallel machine	alternative constraint, cumulative, nooverlap	C++	cplex			benchmark, <a href="https://">https://</a>	

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
ArmstrongGOS21 [13]	scheduling, order, job, task, resource, machine, precedence, preempt, sequence dependent setup, transportation, make span, cmax, completion time, flow shop, job shop, setup time	HFF	alternative constraint, cumulative, diffn, table constraint, circuit, bin packing	java , prolog	cplex, gecode, CHIP, cpo, chuffed, sicstus, mini zinc		packaging industry	benchmark, instance generator, real world, industrial partner, industry partner, supplementary material, <a href="https://zenodo.org">https://, zenodo</a>	energetic reasoning
ArmstrongGOS22 [14]	scheduling, order, job, task, resource, machine, transportation, make span, cmax, completion time, flow shop, re scheduling	parallel machine, HFF	cumulative, nooverlap	prolog	OPL, sicstus			benchmark, real world, <a href="https://zenodo.org">https://</a>	
AronssonBK09 [15]	order, job, task, transportation, job shop		cumulative	prolog	cplex, CHIP			real world, real life, <a href="http://benchmark">http:// benchmark</a>	sweep
ArtiguesBF04 [16]	scheduling, order, job, resource, machine, precedence, preempt, sequence dependent setup, make span, cmax, completion time, job shop, release date, setup time, batch process		disjunctive	C++	ilog solver, ilog scheduler				edge finding
ArtiguesR00 [17]	scheduling, order, job, activity, resource, machine, precedence, preempt, no preempt, transportation, make span, cmax, completion time, lateness, earliness, job shop, release date, due date, setup time, re scheduling	RCPPSP	cumulative, disjunctive						
ArtiouchineB05 [18]	scheduling, order, job, activity, resource, machine, precedence, preempt, make span, completion time, job shop, open shop, release date, re scheduling	single machine, parallel machine	cumulative, disjunctive		ilog scheduler			generated instance, random instance, <a href="http://">http://</a>	edge finding, not first, not last
Astrand0F21 [20]	scheduling, order, job, task, activity, resource, machine, precedence, make span, job shop, open shop		disjunctive		gecode		mineral industry, mining industry, potash industry	benchmark, generated instance, real world, real life, <a href="https://">https://</a>	
Astrand21 [19]									
AstrandJZ18 [21]	scheduling, order, task, activity, resource, machine, make span	single machine	cumulative, disjunctive		gecode		potash industry	<a href="https://">https://</a>	time tabling
AstrandJZ20 [22]	scheduling, order, job, task, activity, resource, machine, precedence, make span, completion time, flow shop, job shop, open shop, due date, setup time, re scheduling	parallel machine	alldifferent, disjunctive	C++	gecode		mineral industry, mining industry, potash industry	benchmark, real world, real life, <a href="http://">http://</a> , <a href="https://">https://</a>	
BadicaBI20 [23]									
BadicaBIL19 [24]									
Baptiste09 [25]	scheduling								
BaptisteB18 [26]	scheduling, order, job, task, resource, machine, precedence, preempt, make span, manpower, lazy clause generation	RCPPSP, psplib, parallel machine	cumulative, bin packing		CHIP			<a href="http://">http://</a>	edge finder, edge finding, time tabling
BaptisteLPN06 [27]									
BaptisteLV92 [30]									

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
BaptisteP00 [29]	scheduling, order, job, task, activity, resource, precedence, preempt, make span, cmax, flow shop, job shop, release date, due date, re scheduling	RCPSP	cumulative, dis-junctive	C++	CHIP, claire, ilog scheduler			benchmark, <a href="http://">http://</a>	edge finder, edge finding, energetic reasoning
BaptisteP97 [28]	scheduling, order, job, task, activity, resource, precedence, preempt, make span, flow shop, job shop, release date, due date, re scheduling	RCPSP	cumulative, dis-junctive	C++	CHIP, claire			benchmark	edge finder, edge finding
BarlattCG08 [31]	scheduling, job, task, resource, machine, transportation, flow shop, job shop, setup time							real world	
Bartak02 [33]	scheduling, order, job, task, activity, resource, machine, precedence, make span, lateness, earliness, job shop, continuous process		cumulative, dis-junctive	prolog	sicstus			real life, <a href="http://">http://</a>	edge finding, time tabling
Bartak02a [32]	scheduling, order, job, task, activity, resource, machine, precedence, make span, tardiness, earliness, job shop, re scheduling		cumulative, dis-junctive		ilog scheduler			benchmark, real life, <a href="http://">http://</a>	edge finding, time tabling
BartakS11 [34]	scheduling, order, task, resource, distributed, multi agent		cumulative		OPL			random instance, real world, real life, <a href="http://">http://</a>	
BartoliniBBLM14 [35]	scheduling, job, task, activity, resource, machine, make span, tardiness		alternative constraint, cumulative					<a href="http://">http://</a>	
BarzegaranZP20 [36]	scheduling, order, task, resource, machine, distributed, re scheduling			java	or tools			<a href="http://">http://</a> , <a href="https://">https://</a>	
BeckDF97 [37]	scheduling, order, job, task, activity, resource, machine, precedence, inventory, make span, job shop, release date, due date, re scheduling	single machine	cumulative					benchmark, real world	edge finding
BeckFW11 [38]									
BegB13 [39]									
BehrensLM19 [40]	scheduling, order, task, resource, machine, make span, setup time, distributed, multi agent			python	or tools, mini zinc			real world, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
BeldiceanuC02 [42]	scheduling, order, task, activity, resource, machine, producer consumer	single machine	cumulative	prolog	CHIP, sicstus			benchmark, random instance, real life	sweep
BeldiceanuCDP11 [43]	scheduling, order, task, resource, preempt, cmax		cumulative, dis-junctive, diffn, bin packing	prolog	CHIP, sicstus			benchmark, <a href="http://">http://</a>	edge finding, energetic reasoning, sweep
BeldiceanuCP08 [44]	scheduling, order, task, resource		cumulative, dis-junctive	prolog	CHIP, sicstus			benchmark	edge finding, sweep
BeldiceanuP07 [45]	scheduling, order, task, resource, preempt, release date, due date		cumulative, dis-junctive						sweep

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
BelhadjiI98 [46]	scheduling, order, job, task, resource, machine, precedence, preempt, job shop, release date, due date	JSSP, TCSP, Temporal Constraint Satisfaction Problem	disjunctive					real life	
BenderWS21 [47]	scheduling, order, job, task, activity, resource, machine, preempt, make span, setup time, distributed	RCPSP	nooverlap	python				https://	
BenediktMH20 [48]	scheduling, order, job, task, machine, preempt, job shop, re scheduling	single machine	nooverlap, end-beforestart		gurobi			benchmark, generated instance, random instance, https://, github	
BenediktSMVH18 [49]	scheduling, order, job, resource, machine, preempt, job shop	single machine, parallel machine	nooverlap		gurobi			generated instance, random instance, https://, github	
BeniniBGM06 [50]	scheduling, order, task, activity, resource, precedence, make span, tardiness, setup time, distributed		cumulative		cplex, eclipse, ilog solver			real life	
BensanaLV99 [51]	order				cplex, ilog solver			benchmark, http://	
BertholdHLSM10 [52]	scheduling, order, job, resource, precedence, preempt, completion time	RCPSP, psplib	cumulative, disjunctive		cplex			http://	
BessiereHMQW14 [53]	scheduling, order, job, task, resource, machine, setup time		alldifferent		choco		textile industry	benchmark, real life, http://	
BillautHL12 [54]	scheduling, order, job, resource, machine, precedence, make span, cmax, completion time, tardiness, flow shop, job shop, open shop, release date, due date, setup time	single machine			cplex, mistral			random instance	
Bit-Monnot23 [55]	scheduling, order, job, task, activity, resource, machine, precedence, make span, job shop, open shop, distributed, lazy clause generation	OSP, Open Shop Scheduling Problem	cumulative, disjunctive		mistral, or tools, cpo, mini zinc			benchmark, real world, https://, github	
BocewiczBB09 [56]									
BofillCSV17 [57]	scheduling, order, activity, resource, machine, precedence, preempt, make span, cmax, lazy clause generation	RCPSP, psplib	cumulative		Z3			benchmark, http://	energetic reasoning
BofillEGPSV14 [58]	scheduling, order, task, machine, lazy clause generation				cplex, gencode, mini zinc			industrial instance, http://	time tabling
BofillGSV15 [59]	scheduling, order, machine				cplex			industrial instance, http://	time tabling
BogaerdtW19 [371]	scheduling, order, job, machine, precedence, completion time, tardiness, job shop, setup time	single machine, parallel machine	nooverlap	c	cplex			benchmark, http://, https://	
Bonfietti16 [60]									

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
BonfiettiLBM11 [61]	scheduling, order, job, task, activity, resource, machine, precedence, make span, job shop	RCPSP	cumulative		ilog solver			benchmark, generated instance, industrial instance, <a href="#">http://</a>	
BonfiettiLBM12 [62]	scheduling, order, job, activity, resource, machine, precedence, make span, job shop, distributed	RCPSP	cumulative		ilog solver			benchmark, <a href="#">http://</a>	time tabling
BonfiettiLM14 [63]	scheduling, order, job, task, activity, resource, machine, precedence, make span, job shop, open shop, distributed	RCPSP, psplib	cumulative					benchmark, real world, <a href="#">http://</a>	
BonfiettiZLM16 [64]	scheduling, order, activity, resource, precedence, make span	RCPSP	cumulative, disjunctive		or tools		automotive industry, control system industry	benchmark, generated instance, industrial instance, real world, <a href="#">https://</a> , <a href="#">github</a>	edge finder, sweep
BoothNB16 [65]	scheduling, order, task, activity, resource, machine, precedence, distributed, re scheduling		cumulative, disjunctive, nooverlap	C++	cplex			real world	
BoucherBVBL97 [66]									
BoudreaultSLQ22 [67]	scheduling, order, task, activity, resource, machine, precedence, preempt, transportation, make span, cmax, distributed, lazy clause generation	RCPSP, psplib	cumulative, disjunctive		or tools, chuffed, mini zinc		ship repair industry	benchmark, generated instance, real world, real life, industrial partner, supplementary material, <a href="#">https://</a> , <a href="#">github</a> , <a href="#">gitlab</a>	edge finding, not first, not last, energetic reasoning
BourreauGGLT22 [68]									
BreitingerL95 [69]									
BurtLPS15 [70]	scheduling, order, job, task, resource, machine, precedence, make span, completion time, tardiness, job shop	single machine, parallel machine	cumulative		cplex, gurobi, gecode, mini zinc			benchmark, real world, industry partner, <a href="#">http://</a>	
Caballero23 [71]	scheduling, resource	RCPSP						<a href="#">http://</a> , <a href="#">https://</a>	
CampeauG22 [72]	scheduling, order, job, task, activity, resource, precedence, make span, completion time	RCPSP, RCP-SPDC	cumulative, nooverlap, end-beforestart, alwaysin	python	cplex		mining industry	real world, real life, <a href="#">https://</a>	edge finding
CappartS17 [73]	scheduling, order, job, task, activity, resource, machine, precedence, completion time, job shop, re scheduling	TMS	alternative constraint, cumulative, nooverlap, span constraint		OPL			random instance, real life, <a href="#">https://</a> , <a href="#">bitbucket</a>	
CarchraeBF05 [74]	scheduling, order, task, make span								
Caseau97 [75]	scheduling, order, job, task, resource, preempt, make span, job shop		cumulative					benchmark	edge finding

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
CauwelaertDMS16 [76]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, make span, completion time, job shop, setup time, batch process		cumulative, disjunctive	java				benchmark, real life, <a href="http://">http://</a> , <a href="https://">https://</a> , bit-bucket	edge finding, not first, not last
CestaOS98 [77]	scheduling, job, resource								
ChapadosJR11 [78]	scheduling, order, task, activity		cumulative				retail industry		time tabling
ChuX05 [79]	scheduling, order, job, resource, machine, completion time, release date, due date	single machine	cumulative, disjunctive		eclipse				
CireCH13 [80]	scheduling, order, job, task, resource, machine, precedence, make span, tardiness		cumulative, circuit		cplex, OPL				
ClercPBJ11 [81]	scheduling, order, activity, resource, precedence, completion time, release date, due date, distributed		alldifferent, cumulative	java	choco, CHIP			benchmark, <a href="http://">http://</a>	edge finding, energetic reasoning, time tabling, sweep
CobanH10 [82]	scheduling, order, job, preempt, make span, tardiness, distributed, re scheduling		disjunctive, circuit		cplex, OPL				
ColT19 [83]	scheduling, order, job, resource, machine, precedence, make span, earliness, job shop	JSSP	disjunctive, nooverlap	java	or tools, cpo, mini zinc			benchmark, real world, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
Colombani96 [84]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, job shop, release date, due date		disjunctive		CHIP				
DannaP03 [85]	scheduling, order, job, activity, resource, machine, tardiness, earliness, job shop		disjunctive		cplex, ilog solver, ilog scheduler			benchmark	
Darby-DowmanLMZ97 [86]	scheduling, order, task, resource, machine, make span	single machine, MGAP	disjunctive, span constraint	prolog	cplex, eclipse			benchmark, real world, real life, <a href="http://">http://</a>	
Davenport10 [87]	scheduling, order, resource, completion time, tardiness, earliness, release date, due date				cplex				
DavenportKRSH07 [88]	scheduling, order, job, activity, resource, machine, precedence, preempt, sequence dependent setup, make to order, inventory, job shop, setup time		disjunctive, bin packing	C++	cplex, CHIP		steel industry		
Dejemeppe16 [91]									
DejemeppeCS15 [92]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, make span, completion time, tardiness, job shop, release date, setup time	single machine	cumulative, disjunctive					benchmark, generated instance, real world, <a href="http://">http://</a> , <a href="https://">https://</a> , bit-bucket	edge finding, not first, not last
DejemeppeD14 [93]	scheduling, order, job, activity, resource, precedence, make span, job shop, setup time		cumulative					<a href="https://">https://</a> , bit-bucket	
Demasse03 [94]									
DemirovicS18 [95]	scheduling, order, task, activity, resource, precedence		cumulative, disjunctive		gurobi, mini zinc			benchmark, real world, <a href="http://">http://</a> , <a href="https://">https://</a>	time tabling

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
Derrien15 [96] DerrienP14 [97]	scheduling, order, activity, resource, make span	psplib, CuSP	cumulative	java	choco			random instance	edge finding, energetic reasoning, sweep
DerrienPZ14 [98]	scheduling, order, job, activity, resource, machine, precedence, make span, re scheduling	RCPSP, CuSP	cumulative		choco, CHIP			benchmark, random instance, real world, <a href="http://http://">http://</a>	sweep
DilkinaDH05 [100]	scheduling, order, job, machine, precedence, make span, job shop								
DincbasSH90 [101]	scheduling, order, job, task, resource, machine, precedence, job shop, distributed		disjunctive, circuit	prolog	OPL, CHIP			real life	
DoomsH08 [102]	scheduling, order, job, task, activity, resource, machine, completion time, job shop	RCPSP					services industry		
DoulabiRP14 [103]	scheduling, order, task, activity, resource, due date		bin packing		cplex				
DoulabiRP16 [104] EdisO11 [105]	scheduling, job, task, activity, resource, machine, preempt, make span, completion time, flow time, lateness, tardiness, earliness, due date	parallel machine	cumulative, nooverlap, bin packing		cplex, OPL				
EfthymiouY23 [106]	scheduling, order, job, task, machine, make span, job shop, setup time, re scheduling	JSSP, CHSP	cumulative, disjunctive	python	or tools			benchmark, generated instance, random instance, industrial instance, real life, <a href="https://">https://</a>	
ElkhyariGJ02 [107]	scheduling, task, activity, resource, machine, precedence, preempt, make span, due date, re scheduling	RCPSP	cumulative, disjunctive, table constraint						
ElkhyariGJ02a [108]	scheduling, order, task, activity, resource, precedence, open shop, due date, re scheduling	RCPSP, psplib	cumulative, disjunctive					benchmark, real life, <a href="http://">http://</a>	time tabling
ErtIK91 [109]	scheduling, order, task, resource, machine, setup time			prolog				benchmark, real world	
EscobetPQPRA19 [110]	scheduling, order, job, task, activity, resource, machine, job shop, release date, due date, distributed, batch process		alternative constraint, circuit, nooverlap		cplex, OPL		food industry, manufacturing industry	<a href="http://">http://</a> , <a href="https://">https://</a>	
EvenSH15 [111]	scheduling, order, task, resource, machine, preempt, transportation, completion time, distributed		cumulative, disjunctive		choco			real world, real life, <a href="http://">http://</a>	sweep
EvenSH15a [112]	scheduling, order, task, resource, machine, preempt, transportation, completion time, distributed		cumulative, disjunctive	java	choco			real world, real life, <a href="http://">http://</a>	sweep

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
FahimiOQ18 [113]	scheduling, order, job, task, resource, machine, precedence, preempt, sequence dependent setup, make span, completion time, lateness, job shop, open shop, due date, setup time, distributed, lazy clause generation, batch process	RCPSP, psplib	alldifferent, cumulative, disjunctive		choco			benchmark, random instance, <a href="https://">https://</a>	edge finding, not first, not last, time tabling, sweep
FalaschiGMP97 [114]	scheduling, order			prolog					
FanXG21 [115]	scheduling, order, job, task, resource, machine, precedence, preempt, no preempt, make span, completion time, flow time, tardiness, earliness, flow shop, job shop, due date, setup time, distributed, batch process	single machine, parallel machine		java , python	cplex, gurobi, eclipse		manufacturing industry	benchmark, <a href="https://">https://</a>	max flow
FetgoD22 [116]	scheduling, order, task, resource, precedence, preempt, make span, cmax, completion time, lazy clause generation	RCPSP, CuSP	cumulative	java , python	choco, CHIP			benchmark, real world, <a href="http://">http://</a> , <a href="https://">https://</a>	edge finder, edge finding, not first, not last, energetic reasoning, time tabling, sweep
FontaineMH16 [117]	scheduling, order, job, task, resource, machine, precedence, make span, completion time, job shop	parallel machine	disjunctive		gurobi, CHIP, mini zinc			benchmark, <a href="https://">https://</a>	
FortinZDF05 [118]	scheduling, order, task, activity, resource, precedence, make span, temporal constraint reasoning	psplib						<a href="http://">http://</a>	
FrankK05 [119]	scheduling, order, job, task, resource, precedence, due date							benchmark	
FriedrichFMRST14 [120]									
FrimodigS19 [121]	scheduling, order, job, task, resource, machine, job shop		cumulative, regular expression, bin packing	python	cplex, gecode, mini zinc			benchmark, real world, <a href="https://">https://</a>	
FrohnerTR19 [122]	scheduling, order, distributed			java , python	gurobi, gecode, mini zinc			benchmark, real world, <a href="https://">https://</a>	
FrostD98 [123]	scheduling, order						power industry		
GalleguillosKSB19 [124]	scheduling, order, job, activity, resource, machine, make span, distributed, re scheduling	JSSP	alternative constraint, cumulative	python	or tools			<a href="http://">http://</a> , <a href="https://">https://</a>	
GarganiR07 [125]	order, resource, machine, inventory		bin packing	C++	OPL		steel industry	real life, <a href="http://">http://</a>	
GarridoAO09 [126]	scheduling, order, task, resource, precedence, make span, re scheduling		disjunctive	java	choco, cpo			benchmark, <a href="http://">http://</a>	
GarridoOS08 [127]	scheduling, order, task, activity, resource, machine, make span			java , c	choco, cpo			real world, <a href="http://">http://</a>	
GayHLS15 [128]	scheduling, order, task, activity, resource, precedence, make span	RCPSP, psplib, OSP	cumulative, disjunctive					benchmark, bit-bucket	edge finding, time tabling
GayHS15 [129]	scheduling, order, task, resource, precedence, preempt		cumulative, disjunctive, table constraint		gecode, choco, or tools			<a href="http://">http://</a> , <a href="https://">https://</a> , bit-bucket	time tabling, sweep



Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
GaySS14 [131]	scheduling, order, job, activity, resource, machine, precedence, make span, completion time, job shop, setup time, manpower, continuous process		cumulative, dis-junctive					real life	sweep
GedikKEK18 [132]	scheduling, order, job, task, resource, machine, preempt, sequence dependent setup, transportation, make span, cmax, completion time, tardiness, due date, setup time	single machine, parallel machine, PMSP	cumulative, nooverlap		cplex		manufacturing industry	benchmark, <a href="http://">http://</a> , <a href="https://">https://</a>	
GeibingerKKMMW21 [133]	scheduling, distributed				cplex, gurobi, gencode, or tools, mini zinc		pharmaceutical industry	real world, <a href="http://">http://</a> , <a href="https://">https://</a>	
GeibingerMM19 [135]	scheduling, order, job, task, activity, resource, precedence, make span, completion time, release date, due date, re scheduling	RCPSP	alternative constraint, cumulative, nooverlap, endbeforestart	java	cplex, gencode, cpo, mini zinc			benchmark, generated instance, real world, real life, industrial partner, <a href="http://">http://</a> , <a href="https://">https://</a>	time tabling
GeibingerMM21 [136]	scheduling, order, job, task, activity, resource, machine, precedence, completion time, tardiness, release date, due date, lazy clause generation	RCPSP	cumulative, dis-junctive		cplex, chuffed	cpo,		benchmark, generated instance, real world, real life, github	time tabling
GeitzGSSW22 [137]	scheduling, order, job, task, resource, machine, precedence, preempt, sequence dependent setup, transportation, make span, completion time, lateness, job shop, setup time, producer consumer, lazy clause generation, batch process	RCPSP, single machine, JSSP	cumulative		OPL			real world, real life, <a href="http://">http://</a> , <a href="https://">https://</a> , github	not last, sweep
GelainPRVW17 [138]	scheduling, order, resource							benchmark, real life, <a href="http://">http://</a>	
Geske05 [139]	scheduling, order, job, task, activity, resource, machine, lateness, job shop, distributed, re scheduling		cumulative	prolog	CHIP, sicstus			real life, <a href="http://">http://</a>	
GilesH16 [140]	scheduling, order, task, activity, resource, transportation, inventory, setup time		cumulative, dis-junctive		cplex		chemical industry, chemical processing industry, petrochemical industry		
GingrasQ16 [141]									
Godet21a [142]									
GodetLHS20 [143]	scheduling, order, job, task, resource, machine, make span, cmax, completion time, release date, setup time, lazy clause generation	single machine, parallel machine, PMSP	alldifferent, cumulative, disjunctive, bin packing		choco, chuffed	CHIP,		benchmark, generated instance, real life, <a href="https://">https://</a> , github	not last, time tabling

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
GoelSHFS15 [144]	scheduling, order, task, activity, resource, machine, precedence, transportation, inventory, setup time		cumulative, disjunctive, nooverlap, alwaysin		cplex, OPL, cpo			http://	
GokgurHO18 [145]									
GoldwaserS17 [146]	scheduling, order, resource, machine, transportation, due date, lazy clause generation		cumulative, disjunctive	python	gurobi, gencode		steel industry	generated instance, instance generator, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
Goltz95 [147]	scheduling, order, job, task, resource, machine, precedence, completion time, job shop, due date		cumulative, disjunctive	prolog	CHIP			benchmark	edge finding
GomesHS06 [148]	scheduling, order, task, distributed, multi agent				ilog solver			real life	
GrimesH10 [149]	scheduling, order, job, task, resource, machine, precedence, sequence dependent setup, make span, cmax, flow shop, job shop, open shop, setup time, batch process	Open Shop Scheduling Problem	cumulative, disjunctive				steel industry	benchmark	edge finding, time tabling
GrimesH11 [150]	scheduling, order, job, task, resource, machine, precedence, make span, cmax, completion time, tardiness, earliness, flow shop, job shop, open shop, release date, due date, lazy clause generation	RCPSp	cumulative, disjunctive		cplex, solver, ilog scheduler			benchmark, <a href="http://">http://</a>	edge finding
GrimesHM09 [151]	scheduling, order, job, task, resource, machine, precedence, make span, job shop, open shop	OSP, Open Shop Scheduling Problem	disjunctive	java	choco, mistral, ilog scheduler			benchmark	edge finding, not last
GrimesIOS14 [152]	scheduling, order, task, activity, resource, machine, preempt, completion time, due date, distributed, re scheduling		disjunctive		cplex, CHIP			real world, real life, <a href="http://">http://</a>	
GroleazNS20 [154]	scheduling, order, job, resource, machine, precedence, preempt, inventory, tardiness, job shop, release date, due date, setup time	GCSP	cumulative, circuit, nooverlap		or tools, cpo		food industry	benchmark, industrial instance, <a href="https://">https://</a>	
GroleazNS20a [153]									
GruianK98 [155]	scheduling, order, task, activity, resource, re scheduling		cumulative, diffn, circuit		CHIP			benchmark	
GuSS13 [156]	scheduling, order, activity, resource, machine, precedence, make span, distributed, lazy clause generation	single machine	cumulative					benchmark	edge finder, edge finding, time tabling
GurPAE23 [157]	scheduling, order, resource, machine, inventory, distributed, re scheduling		cumulative		cplex			real life, <a href="https://">https://</a>	
HachemiGR11 [158]	scheduling, order, job, task, activity, resource, precedence, transportation, make span, job shop		alldifferent		cplex, OPL, ilog scheduler		food industry		

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
HananKP21 [159]	scheduling, order, job, task, resource, machine, precedence, preempt, make span, cmax, completion time, lateness, tardiness, job shop, release date, due date	RCPSP, parallel machine, CuSP	cumulative	python	claire			generated instance, random instance, <a href="https://">https://</a>	energetic reasoning
He0GLW18 [161]	scheduling, order, machine, precedence, transportation, distributed, multi agent, re scheduling			python	gurobi			real world, <a href="http://">http://</a> , <a href="https://">https://</a> , bit-bucket	
HebrardTW05 [162]	scheduling, order, job, machine, job shop								
HechingH16 [163]	scheduling, order, job, task, manpower, re scheduling		circuit, nooverlap		cplex, OPL			real world	
HeinzB12 [164]	scheduling, order, job, activity, resource, machine, precedence, completion time, tardiness, earliness, release date, due date	single machine	alternative constraint, cumulative		cplex, OPL, ilog solver, ilog scheduler				
HeinzKB13 [165]	scheduling, order, job, resource, machine, tardiness, job shop, release date	single machine	cumulative		cplex				
HeinzNVH22 [169]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, make span, completion time, flow shop, setup time, distributed, re scheduling	parallel machine	alternative constraint, cumulative, nooverlap		gurobi			benchmark, generated instance, real world, <a href="http://">http://</a> , <a href="https://">https://</a> , gitlab	
HeinzS11 [167]	scheduling, order, job, resource, machine, preempt, completion time	RCPSP, psplib	cumulative, disjunctive		cplex			benchmark, <a href="http://">http://</a>	energetic reasoning, time tabling
HeinzSB13 [168]	scheduling, order, job, resource, machine, precedence, preempt, completion time, release date, due date	RCPSP, psplib, single machine	cumulative, disjunctive		cplex, mini zinc			benchmark, <a href="http://">http://</a>	edge finding, time tabling
HeinzSSW12 [166]	order, task, inventory		bin packing		cplex		process industry, steel	real world, <a href="http://">http://</a>	
HeipckeCCS00 [171]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, completion time, job shop, release date, due date	RCPSP, single machine	cumulative, disjunctive					benchmark, instance generator, <a href="http://">http://</a>	
HentenryckM04 [172]	scheduling, order, job, task, activity, resource, machine, precedence, make span, completion time, tardiness, job shop, open shop, due date		cumulative, disjunctive					benchmark	
HentenryckM08 [173]	order		bin packing						
HermenierDL11 [174]	scheduling, order, task, resource, machine, precedence, completion time, producer consumer, distributed		alldifferent, cumulative, disjunctive, table constraint, bin packing		choco			<a href="http://">http://</a>	

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
HillTV21 [175]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, flow shop, release date, lazy clause generation	RCPSP, psplib, single machine	alternative constraint, cumulative					real world, <a href="https://">https://</a>	
HoYCLLC18 [176]									
HoeveGSL07 [373]	scheduling, order, job, task, resource, machine, precedence, job shop, distributed, multi agent, re scheduling		disjunctive		cplex, ilog scheduler			benchmark, <a href="http://">http://</a>	edge finding
Hooker04 [177]	scheduling, order, task, resource, machine, precedence, make span, tardiness, release date, distributed		cumulative, disjunctive, circuit		cplex, OPL, ilog scheduler			random instance	
Hooker05 [178]	scheduling, order, job, task, resource, machine, precedence, make span, tardiness, release date, due date, distributed		cumulative, disjunctive, circuit		cplex, OPL, ilog scheduler			random instance	edge finding
Hooker06 [180]	scheduling, order, job, task, resource, machine, precedence, make span, tardiness, release date, due date		cumulative, disjunctive, circuit		cplex, OPL, ilog scheduler			random instance, <a href="http://">http://</a>	
Hooker17 [181]	scheduling, order, job, resource, tardiness, due date		circuit					benchmark, random instance	
HookerY02 [182]	scheduling, order, job, resource, machine	RCPSP	cumulative, disjunctive					<a href="http://">http://</a>	
HoundjiSWD14 [183]	scheduling, order, resource, machine, precedence, transportation, inventory, due date	single machine	circuit					generated instance, <a href="http://">http://</a> , <a href="https://">https://</a> , bit-bucket	
HubnerGSV21 [184]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, transportation, inventory, make span, cmax, completion time, tardiness, due date	RCPSP, RCP-SPDC	alternative constraint, cumulative, endbeforestart	c	cplex, gurobi			benchmark, real life, <a href="http://">http://</a> , <a href="https://">https://</a>	
IfrimOS12 [185]	scheduling, order, job, task, resource, machine, due date, distributed, re scheduling		disjunctive					real life, <a href="http://">http://</a>	
IsikYA23 [186]	scheduling, order, job, task, resource, machine, precedence, preempt, sequence dependent setup, transportation, make span, cmax, completion time, tardiness, earliness, flow shop, job shop, release date, due date, setup time, distributed, batch process	single machine, parallel machine	cumulative, circuit, nooverlap, endbeforestart		cplex, OPL		steel industry	benchmark, generated instance, real world, real life, <a href="http://">http://</a> , <a href="https://">https://</a>	energetic reasoning
JourdanFRD94 [187]									
JuvinHHL23 [188]	scheduling, order, job, task, resource, machine, precedence, preempt, make span, cmax, completion time, flow shop, job shop, due date, setup time	parallel machine, JSSP	alldifferent, cumulative, disjunctive, nooverlap, endbeforestart	C++	mistral, cpo			benchmark, supplementary material, <a href="http://">http://</a> , <a href="https://">https://</a> , github	edge finding, not first, not last

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
JuvinHL23 [189]	scheduling, order, job, task, machine, precedence, make span, cmax, completion time, tardiness, flow shop, job shop, setup time		nooverlap, end-beforestart		cplex, cpo			real world, <a href="https://">https://</a>	
KamarainenS02 [190]	scheduling, order, job, activity, resource, machine, precedence, preempt, transportation, earliness, job shop	KRFP			eclipse			benchmark, real world, <a href="http://">http://</a>	
Kameugne15 [191]	scheduling, task, resource, preempt, completion time		cumulative					<a href="http://">http://</a>	edge finding, not first, not last
KameugneFGOQ18 [192]	scheduling, order, task, resource, precedence, make span, cmax, completion time	RCPSP, CuSP	cumulative, dis-junctive	java	choco, CHIP			benchmark, real world, <a href="http://">http://</a> , <a href="https://">https://</a>	not first, not last, energetic reasoning, time tabling, sweep
KameugneFND23 [193]	scheduling, order, task, resource, machine, precedence, preempt, make span, cmax, completion time, lazy clause generation	RCPSP, psplib, CuSP	cumulative, dis-junctive	java	choco, CHIP			benchmark, <a href="http://">http://</a> , <a href="https://">https://</a>	edge finder, edge finding, not first, not last, energetic reasoning, time tabling, sweep
KameugneFSN11 [194]	scheduling, order, job, task, resource, precedence, preempt, make span, completion time, job shop, release date	RCPSP, psplib, CuSP	cumulative, dis-junctive		gecode			benchmark, <a href="http://">http://</a>	edge finding, not first, not last, time tabling
KameugneFSN14 [195]	scheduling, order, job, task, resource, precedence, preempt, make span, completion time, job shop, release date	RCPSP, psplib, CuSP	cumulative, dis-junctive		gecode, CHIP			benchmark, random instance, <a href="http://">http://</a>	edge finder, edge finding, not first, not last, energetic reasoning, time tabling
KanetAG04 [196]									
KelarevaTK13 [197]	scheduling, order, task, activity, resource, precedence, transportation, inventory, make span, tardiness, setup time, re scheduling, lazy clause generation	LSFRP, BPC-TOP, Bulk Port Cargo Throughput Optimisation Problem, Liner Shipping Fleet Repositioning Problem	alldifferent		cplex, mini zinc			real world, <a href="http://">http://</a>	
KelbelH11 [198]	scheduling, order, job, task, resource, machine, precedence, preempt, inventory, make span, completion time, tardiness, earliness, job shop, release date, due date, distributed	JSSP	cumulative, dis-junctive		cplex, OPL, ilog solver			benchmark, generated instance, random instance, <a href="http://">http://</a>	edge finder, edge finding
KeriK07 [199]	scheduling, order, job, activity, resource, precedence, make span, cmax, tardiness, earliness, job shop, due date, temporal constraint reasoning	RCPSP		C++				<a href="http://">http://</a>	edge finding

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
KhayatLR06 [200]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, cmax, job shop, due date, setup time				cplex, OPL			benchmark, real life, <a href="http://">http://</a>	
KhemmoudjPB06 [201]	scheduling, order, resource, stock level, distributed		cumulative	C++	CHIP			real world	
KimCMLLP23 [202]	scheduling, order, job, machine, precedence, transportation, make span, tardiness, earliness, job shop, open shop, due date, setup time, distributed	parallel machine, SCC	nooverlap	python	gurobi, or tools		steel industry	benchmark, real world, <a href="https://">https://</a> , zenodo	
KlankeBYE21 [203]	scheduling, order, job, task, activity, resource, machine, make span, completion time, job shop, due date, producer consumer, re scheduling, batch process		cumulative, disjunctive, circuit, nooverlap	python	cplex, gurobi, or tools, CHIP		food processing industry	benchmark, random instance, real life, <a href="https://">https://</a>	
KletzanderM17 [204]	scheduling, order, resource, machine, transportation	parallel machine					steel industry	<a href="http://">http://</a>	
KoehlerBFFHPSSS21 [205]	scheduling, order, job, task, resource, machine, precedence, make span, flow time, lateness, tardiness, flow shop, job shop	single machine, CTW	alldifferent, cumulative, disjunctive, circuit	python, c	cplex, gurobi, or tools, OPL, Z3, chuffed, mini zinc			benchmark, real world, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
KorbaaYG00 [207]									
KorbaaYG99 [206]	scheduling, order, job, task, resource, machine, transportation, make span, flow shop, job shop		circuit	prolog	CHIP, OZ, ilog solver				
KoschB14 [208]	scheduling, order, job, resource, machine, make span, cmax, completion time, lateness, job shop, release date, due date, distributed, multi agent, batch process	RCPSP, single machine	cumulative, disjunctive, bin packing	java	cplex, choco			benchmark	
KovacsB08 [209]	scheduling, order, job, activity, resource, machine, preempt, completion time, tardiness, release date	single machine	cumulative, disjunctive, bin packing		ilog solver, ilog scheduler			benchmark	sweep
KovacsB11 [210]	scheduling, order, job, activity, resource, machine, precedence, preempt, make span, completion time, flow time, tardiness, earliness, flow shop, job shop, release date, due date, distributed	single machine, parallel machine	cumulative, disjunctive	C++	ilog solver, ilog scheduler			benchmark	edge finding
KovacsEKV05 [211]	scheduling, job, resource, precedence, job shop, setup time							real life	
KovacsK11 [212]	scheduling, order, job, task, resource, machine, sequence dependent setup, transportation, completion time, tardiness, earliness, flow shop, job shop, release date, due date	single machine		C++	cplex, gecode, ilog solver			<a href="http://">http://</a>	

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
KovacsTKSG21 [215]	scheduling, order, job, task, resource, machine, precedence, preempt, inventory, tardiness, flow shop, job shop, release date, due date, distributed, re scheduling	RCPSP, single machine	cumulative		cplex, gurobi, or tools			benchmark, real world, supplementary material, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
KovacsV04 [213]	scheduling, order, job, task, resource, machine, precedence, make span, job shop	single machine	cumulative, disjunctive		ilog scheduler			benchmark, real life, industrial partner, <a href="http://">http://</a>	edge finding
KovacsV06 [214]	scheduling, order, job, task, resource, machine, precedence, make span, tardiness, earliness, job shop, setup time	RCPSP, single machine	cumulative		ilog scheduler			benchmark, generated instance, industrial partner	
KreterSS15 [216]	scheduling, order, task, activity, resource, machine, preempt, make span, completion time, lazy clause generation	RCPSP, parallel machine	cumulative, diffn		cplex, CHIP, chuffed, mini zinc			benchmark, <a href="http://">http://</a>	
KreterSS17 [217]	scheduling, order, task, activity, resource, machine, precedence, preempt, make span, completion time, lazy clause generation	RCPSP, parallel machine	cumulative, diffn, alwaysin		cplex, CHIP, cpo, chuffed, mini zinc			benchmark, <a href="http://">http://</a>	edge finding
KrogtLPHJ07 [372]	scheduling, order, job, activity, resource, machine, precedence, inventory, job shop, due date		circuit	prolog	OPL			real world	
KuchcinskiW03 [218]	scheduling, order, resource, precedence, distributed		circuit	java				benchmark	
Kumar03 [219]	scheduling, order, activity, resource, producer consumer								bi partite matching, maximum matching, max flow
Laborie09 [220]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, inventory, tardiness, earliness, job shop, release date, due date, setup time		alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart	c	OPL, cpo			benchmark, real world, <a href="http://">http://</a>	
Laborie18a [221]	scheduling, job, task, resource, machine, precedence, release date, due date		alternative constraint, cumulative		OPL, cpo, ilog scheduler			benchmark, real world, real life, <a href="http://">http://</a> , <a href="https://">https://</a>	energetic reasoning
LaborieRSV18 [222]	scheduling, order, job, task, activity, resource, machine, precedence, sequence dependent setup, transportation, inventory, make span, tardiness, earliness, flow shop, job shop, release date, due date, setup time, manpower, distributed, re scheduling, batch process	RCPSP, psplib, parallel machine	alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart, alwaysin, span constraint	java , python, C++ , c	cplex, gecode, choco, OPL, CHIP, cpo, ilog solver, ilog scheduler		chemical industry, petro chemical industry	benchmark, real world, <a href="http://">http://</a> , <a href="https://">https://</a>	edge finding

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
LacknerMMWW21 [223]	scheduling, order, job, task, machine, make span, lateness, tardiness, earliness, flow shop, release date, due date, setup time, batch process	single machine, parallel machine, OSP	cumulative, nooverlap, endbeforestart		cplex, gurobi, or tools, OPL, cpo, chuffed, mini zinc		electronics industry, manufacturing industry, steel industry	benchmark, instance generator, random instance, real life, industrial partner, supplementary material, <a href="https://">https://</a>	
LacknerMMWW23 [224]	scheduling, order, job, task, machine, make span, lateness, tardiness, earliness, job shop, release date, due date, setup time, batch process	single machine, parallel machine, OSP	alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart, bin packing		cplex, gurobi, or tools, OPL, cpo, chuffed, mini zinc		electronics industry, manufacturing industry, steel industry	benchmark, instance generator, random instance, real life, industrial partner, <a href="http://">http://</a> , <a href="https://">https://</a> , zenodo	time tabling
LahimerLH11 [225]	scheduling, order, job, task, resource, machine, precedence, preempt, make span, cmax, completion time	RCPSp, parallel machine	disjunctive	C++	ilog scheduler			benchmark, <a href="http://">http://</a>	energetic reasoning
LauLN08 [226]	scheduling, order, job, resource, machine, transportation, inventory, flow shop, job shop, distributed							benchmark, real world	
Layfield02 [227]									
LetortBC12 [228]	scheduling, order, task, resource, machine, precedence, make span	psplib	cumulative, bin packing	java , prolog	choco, sicstus	CHIP,		benchmark, random instance, <a href="http://">http://</a>	edge finding, sweep
LetortCB13 [229]	scheduling, order, task, resource, machine, precedence, make span	RCPSp, psplib	cumulative, disjunctive, bin packing	java , prolog	choco, sicstus			benchmark, random instance, <a href="http://">http://</a>	edge finding, energetic reasoning, sweep
LetortCB15 [230]	scheduling, order, job, task, resource, machine, precedence, make span	psplib	cumulative, bin packing	java , prolog	choco, sicstus	CHIP,		benchmark, generated instance, random instance, <a href="http://">http://</a>	edge finding, sweep
LiFJZLL22 [231]	scheduling, order, job, task, machine, transportation, make span, completion time, flow time, tardiness, flow shop, job shop, setup time, buffer capacity, distributed, batch process	single machine			OPL			benchmark	
LiessM08 [232]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, cmax, job shop	RCPSp, psplib	cumulative, disjunctive	C++				benchmark, <a href="http://">http://</a>	edge finding
LimBTBB15 [235]	scheduling, order, job, machine, tardiness, earliness, job shop, multi agent, re scheduling							benchmark, <a href="http://">http://</a>	time tabling
LimHTB16 [234]	scheduling, order, activity, machine, distributed, multi agent, re scheduling		cumulative					real world, <a href="http://">http://</a>	
LimRX04 [233]	scheduling, order, job, machine, preempt, transportation, completion time							generated instance	



Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
Limtanyakul07 [236]	scheduling, order, job, task, resource, machine, precedence, make span, release date, due date		cumulative		OPL			real life	energetic reasoning
LimtanyakulS12 [237]	scheduling, order, job, activity, resource, machine, precedence, completion time, tardiness, release date, due date		cumulative, disjunctive, table constraint, bin packing		cplex, ilog scheduler		automotive industry	benchmark, generated instance, random instance, real life, industrial partner, <a href="http://">http://</a> , <a href="https://">https://</a> , github	edge finding, not first, not last, energetic reasoning
LiuCGM17 [239]	scheduling, order, task, activity, machine, transportation, cmax			python	or tools, mini zinc		tourism industry	<a href="http://">http://</a> , <a href="https://">https://</a> , github	
LiuJ06 [240]	scheduling, order, task, resource, make span		disjunctive						
LiuLH19 [238]	scheduling, order, resource				choco			benchmark, <a href="https://">https://</a>	time tabling
LombardiBM15 [241]	scheduling, order, job, task, activity, resource, machine, precedence, make span, completion time, job shop, distributed	RCPSP, psplib, JSSP						benchmark, real world	
LombardiBMB11 [242]	scheduling, order, task, activity, resource, machine, precedence, make span, completion time	RCPSP	cumulative	C++				benchmark, industrial instance, real life	
LombardiM09 [243]	scheduling, order, task, activity, resource, precedence, preempt, make span, completion time	RCPSP			ilog solver			instance generator, real world	
LombardiM10 [244]	scheduling, order, task, activity, resource, precedence, make span, completion time	RCPSP	cumulative, disjunctive		ilog solver			benchmark, real world	
LombardiM12 [245]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, transportation, inventory, make span, completion time, tardiness, earliness, flow shop, job shop, due date, setup time, manpower, distributed, re scheduling, lazy clause generation	RCPSP, psplib, parallel machine	cumulative, disjunctive, circuit		or tools		chemical industry	benchmark, real world	edge finding, energetic reasoning
LopesCSM10 [246]	scheduling, order, job, task, activity, resource, precedence, transportation, inventory, stock level, make span, job shop, due date, distributed, re scheduling		alldifferent, disjunctive, table constraint	C++	ilog solver, ilog scheduler		oil industry	benchmark, real world, <a href="http://">http://</a>	max flow
LopezAKYG00 [247]									
LorigeonBB02 [248]									
Lunardi20 [250]									
LunardiBLRV20 [249]	scheduling, order, job, activity, resource, machine, precedence, preempt, make span, completion time, tardiness, flow shop, job shop, due date, setup time, re scheduling	FJS	nooverlap, end-beforestart	python	cplex			benchmark, generated instance, random instance, <a href="https://">https://</a> , github	

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
Madi-WambaB16 [251]	scheduling, order, job, task, resource, precedence		cumulative	java	choco, CHIP			benchmark, generated instance, random instance, real world, <a href="http://">http://</a> , <a href="https://">https://</a>	
Madi-WambaLOBM17 [252]	scheduling, order, job, task, activity, resource, machine, precedence, distributed, re scheduling		cumulative, bin packing	prolog	sicstus			real world	sweep
MakMS10 [253]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, inventory, due date								
MalapertN19 [254]	scheduling, order, job, task, resource, machine, sequence dependent setup, make span, cmax, completion time, flow time, setup time	single machine, parallel machine, PMSP, PTC	alternative constraint, cumulative, nooverlap, alwaysin		cplex, cpo			benchmark, generated instance, industrial instance, <a href="http://">http://</a> , <a href="https://">https://</a>	
Malik08 [255]									
MalikMB08 [256]									
MaraveliasG04 [257]					OZ				
MartinPY01 [258]	scheduling, order, task, resource, machine, transportation, re scheduling		circuit	prolog	eclipse, solver	ilog		real life	
Mason01 [259]	scheduling, order, task, activity, transportation				cplex			<a href="http://">http://</a>	
Mehdizadeh-Somarin23 [260]	scheduling, order, job, task, machine, precedence, preempt, make span, cmax, completion time, tardiness, flow shop, job shop, setup time, multi agent, re scheduling	single machine, parallel machine, JSSP		python	cplex			random instance, <a href="https://">https://</a>	
MelgarejoLS15 [6]	scheduling, order, job, task, resource, machine, precedence, transportation, tardiness, setup time	single machine	alldifferent, disjunctive, table constraint, circuit, nooverlap		cplex			benchmark, real world, <a href="http://">http://</a>	
Menana11 [261]									
MengZRZL20 [262]	scheduling, order, job, task, resource, machine, precedence, preempt, no preempt, sequence dependent setup, transportation, make span, cmax, completion time, flow time, tardiness, earliness, flow shop, job shop, open shop, setup time, distributed, batch process	parallel machine, OSP, FJS, Open Shop Scheduling Problem	alternative constraint, nooverlap, endbeforestart		cplex, gurobi, gecode, or tools, OPL			benchmark, supplementary material, <a href="https://">https://</a>	
Mercier-AubinGQ20 [263]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, make span, completion time, tardiness, earliness, job shop, due date, setup time, lazy clause generation	RCPSP	cumulative, disjunctive, circuit	python, C++	mini zinc		manufacturing industry, textile industry	industrial instance, industrial partner, <a href="http://">http://</a> , <a href="https://">https://</a>	
MokhtarzadehTNF20 [264]									

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
MonetteDD07 [265]	scheduling, order, job, task, resource, machine, precedence, preempt, no preempt, make span, completion time, job shop, open shop	OSP, Open Shop Scheduling Problem	disjunctive		gecode			benchmark	edge finding, not first, not last
MonetteDH09 [266]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, completion time, tardiness, earliness, job shop, release date, due date, distributed		cumulative, disjunctive					benchmark	not last
MontemanniD23 [268]	scheduling, order, task, resource, machine, distributed		circuit	python	gurobi, or tools			benchmark, supplementary material, <a href="https://benchmark, http://, https://">https://</a>	
MontemanniD23a [267]	scheduling, order, task, transportation, completion time		circuit	python	or tools			benchmark, <a href="http://, https://">http://, https://</a>	
MossigeGSMC17 [269]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, completion time, job shop, distributed	RCPSP, single machine, FJS	cumulative, disjunctive	prolog	CHIP, sicstus			benchmark, generated instance, random instance, real world, industrial partner, <a href="http://">http://</a>	
MouraSCL08 [271]	scheduling, order, activity, resource, precedence, preempt, transportation, inventory, distributed		disjunctive, table constraint	C++	ilog solver, ilog scheduler				max flow
MouraSCL08a [270]	scheduling, order, resource, transportation, inventory, due date, distributed, re scheduling		cumulative, disjunctive	C++	ilog solver, ilog scheduler			benchmark, real world	
MullerMKP22 [272]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, cmax, completion time, job shop, due date, setup time, batch process	FJS	disjunctive, circuit	java , python	cplex, gecode, choco, or tools, OPL, chuffed, mini zinc			benchmark, random instance, real world, <a href="https://, github">https://, github</a>	
MurinR19 [273]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, make span, completion time, job shop, setup time	JSPT	alternative constraint, nooverlap, endbeforestart		cplex, OPL			benchmark, real life, <a href="https://, github">https://, github</a>	
MurphyMB15 [274]	scheduling, order, task, activity, resource, machine, re scheduling		cumulative, disjunctive, circuit	java	choco			real world, <a href="http://">http://</a>	
Muscettola02 [275]	scheduling, order, job, activity, resource, precedence, cmax, job shop							<a href="http://">http://</a>	max flow, edge finding
NattafAL15 [276]	scheduling, order, task, activity, resource, preempt, make span, release date, due date	RCPSP, CECSP, CuSP	cumulative	C++	cplex			generated instance, <a href="http://">http://</a>	energetic reasoning, sweep
NattafAL17 [277]	scheduling, order, job, task, activity, resource, make span, release date	CECSP	cumulative, disjunctive	C++	cplex			real world, <a href="http://">http://</a>	edge finding, energetic reasoning

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
NattafM20 [278]	scheduling, order, job, resource, machine, make span, completion time, flow time, setup time	single machine, parallel machine, PMSP, PTC	cumulative, nooverlap		cplex, cpo			benchmark, industrial instance, <a href="http://">http://</a> , <a href="https://">https://</a>	
NishikawaSTT18 [280]	scheduling, order, task, activity, resource, precedence, make span, distributed		alternative constraint, endbeforestart		cplex			benchmark, real world, <a href="https://">https://</a>	
NishikawaSTT18a [281]	scheduling, order, task, activity, resource, precedence, make span, distributed, re scheduling		alternative constraint, endbeforestart		cplex			benchmark, real world, real life, <a href="https://">https://</a>	
NishikawaSTT19 [282] NovaraNH16 [283]	scheduling, order, job, task, activity, resource, machine, precedence, sequence dependent setup, make span, completion time, tardiness, earliness, due date, setup time, manpower, re scheduling, batch process		alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart		cplex, OPL		pharmaceutical industry	benchmark, <a href="http://">http://</a>	
Novas19 [284]	scheduling, order, job, task, activity, resource, machine, precedence, sequence dependent setup, transportation, inventory, make span, cmax, completion time, flow time, lateness, tardiness, flow shop, job shop, release date, due date, setup time, distributed	parallel machine, FJS	cumulative, nooverlap, endbeforestart		cplex, OPL			benchmark, <a href="https://">https://</a>	
NovasH10 [285]	scheduling, order, job, task, activity, resource, machine, precedence, make span, completion time, lateness, tardiness, earliness, due date, setup time, manpower, re scheduling, batch process				OPL, ilog scheduler			<a href="http://">http://</a>	
NovasH12 [286]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, make span, completion time				OPL, solver, scheduler	ilog ilog			
NovasH14 [287]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, make span, completion time, job shop, buffer capacity	single machine, parallel machine			OPL, solver, scheduler	ilog ilog		benchmark, <a href="http://">http://</a>	
OddiPCC03 [288]	scheduling, order, task, activity, resource, machine, precedence, preempt, completion time, distributed	single machine		java				benchmark, <a href="http://">http://</a>	
OuelletQ13 [289]	scheduling, order, task, resource, precedence, preempt, make span, completion time	RCPSP, psplib, CuSP	cumulative, disjunctive		choco			benchmark, <a href="http://">http://</a>	edge finder, edge finding, not first, not last, energetic reasoning, time tabling, sweep

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
OuelletQ18 [290]	scheduling, order, task, resource, precedence, make span, completion time	RCPSP, psplib	cumulative, disjunctive	java	choco			benchmark, <a href="https://">https://</a>	edge finding, not first, not last, energetic reasoning, time tabling
OuelletQ22 [291]	scheduling, order, task, activity, resource, preempt, completion time, lazy clause generation		cumulative, disjunctive	java	choco, mini zinc			benchmark, random instance, <a href="https://">https://</a> , github	edge finding, not first, not last, energetic reasoning, time tabling, sweep
OujanaAYB22 [292]	scheduling, order, job, task, resource, machine, precedence, preempt, sequence dependent setup, make to order, make span, completion time, tardiness, flow shop, job shop, open shop, due date, setup time, buffer capacity, distributed, batch process	parallel machine, PMSP, HFF, FJS	disjunctive, nooverlap, span constraint		OPL, cpo		food industry, steel industry	benchmark, industrial instance, real world, real life, <a href="https://">https://</a>	
OzturkTHO13 [293]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, cmax, completion time, flow shop, setup time	SBSFMMAL	cumulative, disjunctive		cplex, CHIP, solver	OPL, ilog		real world, real life, <a href="http://">http://</a>	edge finding
PandeyS21a [294]	scheduling, order, job, task, activity, resource, machine, precedence, make span, completion time, flow shop, distributed, re scheduling	single machine, parallel machine, PMSP	alternative constraint, cumulative, endbeforestart		cplex, OPL			benchmark, <a href="https://">https://</a>	
PapaB98 [296]	scheduling, order, job, task, activity, resource, machine, preempt, make span, cmax, completion time, flow shop, job shop, due date, setup time, distributed, re scheduling	JSSP, PJSSP	cumulative, disjunctive, table constraint	C++	CHIP, ilog solver	claire,		benchmark, <a href="http://">http://</a>	edge finder, edge finding, energetic reasoning
PapeB97 [295]									
ParkUJR19 [297]	scheduling, order, job, task, resource, machine, preempt, no preempt, make span, cmax, completion time, flow time, lateness, tardiness, flow shop, job shop, open shop, due date, distributed	single machine, parallel machine	nooverlap, endbeforestart					real world, <a href="https://">https://</a>	
PembertonG98 [298]									
PerezGSL23 [299]	scheduling, order, task, activity, resource, machine, transportation, inventory, make span, completion time, re scheduling		cumulative, table constraint					generated instance, real world	in-real
PesantRR15 [301]	scheduling, order, activity, transportation, lazy clause generation		cumulative, table constraint		gurobi, gecode, ilog solver			<a href="http://">http://</a>	
PoderB08 [303]									
PoderBS04 [304]	scheduling, order, task, activity, resource, machine, precedence, preempt, release date, due date, producer consumer	RCPSP	cumulative	prolog	CHIP		chemical industry	<a href="http://">http://</a>	

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
PohlAK22 [305]	scheduling, order, job, activity, resource, machine, precedence, sequence dependent setup, transportation, inventory, completion time, lateness, tardiness, earliness, release date, setup time, re scheduling	single machine, SCC	cumulative, nooverlap	python	cplex, gurobi			benchmark, real world, <a href="http://">http://</a> , <a href="https://">https://</a>	
Polo-MejiaALB20 [306]									
PopovicCGNC22 [307]	scheduling, order, task, activity, resource, machine, transportation, make span, completion time	TMS	cumulative, nooverlap, alwaysin	C++ , prolog	cplex, sicstus	CHIP,	electricity industry	<a href="https://">https://</a>	
PourDERB18 [308]	scheduling, order, job, task, machine, transportation				cplex, or tools			benchmark, generated instance, real world, real life, <a href="http://">http://</a>	
PovedaAA23 [309]	scheduling, order, job, task, activity, resource, precedence, preempt, make span, job shop, release date, lazy clause generation	RCPSP	cumulative, disjunctive	python	cplex, chuffed, zinc	cpo, mini		benchmark, industrial instance, real world, real life, <a href="https://">https://</a> , github	
Pralet17 [310]	scheduling, order, job, activity, resource, machine, precedence, sequence dependent setup, make span, job shop, due date, setup time	RCPSP, psplib, JSSP	cumulative, disjunctive		cplex, cpo	CHIP,		benchmark, <a href="http://">http://</a>	
PraletLJ15 [311]	scheduling, order, job, task, activity, resource, precedence, make span, tardiness, job shop, due date	JSSP	alternative constraint, nooverlap		cplex, cpo				
PrataAN23 [312]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, inventory, make span, completion time, flow time, lateness, tardiness, earliness, flow shop, job shop, open shop, release date, due date, setup time, distributed, re scheduling, batch process	single machine, parallel machine, Open Shop Scheduling Problem	cumulative, circuit		CHIP		manufacturing industry	benchmark, real world, real life, <a href="http://">http://</a> , <a href="https://">https://</a>	time tabling
Puget95 [313]	scheduling, order, job, task, activity, resource, transportation, job shop, manpower		disjunctive					benchmark	
QinDCS20 [315]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, make span, cmax, completion time, tardiness, setup time	parallel machine	nooverlap, end-beforestart		cplex, OPL			benchmark, real life, <a href="https://">https://</a>	
QinWSLS21 [314]	scheduling, order, job, machine, preempt, make span, cmax, completion time, lateness, tardiness, flow shop, job shop, batch process	single machine		C++	cplex			<a href="https://">https://</a>	
QuSN06 [316]	scheduling, task, resource, precedence, distributed		circuit	prolog	sicstus				

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
QuirogaZH05 [317]	scheduling, order, task, activity, resource, machine, precedence, inventory, make span, completion time, flow time, tardiness, earliness, flow shop, release date, due date				OPL, eclipse, ilog solver, ilog scheduler				
RendlPHPR12 [318]	scheduling, order, job, machine, transportation, re scheduling			java				benchmark, real world, <a href="http://">http://</a>	
RiahiNS018 [319]									
RodosekW98 [320]	scheduling, order, job, task, activity, resource, machine, transportation, make span		disjunctive, circuit	prolog	cplex, OPL, CHIP, eclipse			benchmark	
RossiTHP07 [321]	scheduling, order, resource, inventory, stock level, distributed		cumulative		choco, OPL				
SacramentoSP20 [322]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, transportation, make span, completion time, flow shop, job shop, open shop, distributed	parallel machine, Open Shop Scheduling Problem	alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart	java	cplex, cpo			benchmark, real world, real life, <a href="https://">https://</a> , zenodo	
Sadykov04 [323]	scheduling, job, task, machine, precedence, preempt, completion time, lateness, release date, due date	single machine, parallel machine	disjunctive						edge finding
SadykovW06 [324]									
SakkoutW00 [325]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, transportation, job shop, distributed, re scheduling	single machine, KRFP	disjunctive, bin packing		cplex, CHIP			benchmark, real world, <a href="http://">http://</a>	edge finder, edge finding
SchausHMCMD11 [326]	order, task	SCC	bin packing				steel industry	benchmark, generated instance, <a href="http://">http://</a>	
SchildW00 [327]	scheduling, order, job, task, resource, machine, precedence, completion time, flow shop, job shop, distributed	single machine	disjunctive, bin packing		ilog solver		aerospace industry, automotive industry	<a href="http://">http://</a>	edge finding, time tabling
SchuttCSW12 [328]	scheduling, order, activity, resource, precedence, preempt, make span, lazy clause generation		cumulative		CHIP			benchmark, <a href="http://">http://</a>	
SchuttFS13 [330]	scheduling, order, job, task, activity, resource, machine, precedence, make span, completion time, job shop, lazy clause generation	RCPSP, FJS	alternative constraint, cumulative, disjunctive, span constraint		mini zinc			benchmark, <a href="http://">http://</a>	energetic reasoning, time tabling
SchuttFSW09 [331]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, open shop, lazy clause generation	psplib	cumulative, disjunctive		CHIP, sicstus, eclipse			benchmark, real world, <a href="http://">http://</a>	edge finder
SchuttFSW11 [332]	scheduling, order, task, activity, resource, machine, precedence, preempt, make span, completion time, open shop, lazy clause generation	RCPSP, psplib	cumulative, disjunctive, circuit, span constraint		CHIP, sicstus, ilog scheduler			benchmark, real world, <a href="http://">http://</a>	edge finder, edge finding, not first, not last

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
SchuttS16 [333]	scheduling, order, activity, resource, machine, precedence, preempt, inventory, make span, manpower, producer consumer, lazy clause generation	RCPSP	cumulative		chuffed, ilog scheduler, mini zinc			benchmark, <a href="http://">http://</a>	
SchuttW10 [334]	scheduling, order, task, activity, resource, preempt, make span, release date, due date, lazy clause generation	RCPSP, psplib, CuSP	cumulative, disjunctive	java	CHIP			benchmark	edge finding, not first, not last
SerraNM12 [335]	scheduling, order, activity, resource, machine, precedence, preempt, inventory, release date		cumulative, alwaysin		cplex, OPL			benchmark, real world, <a href="http://">http://</a>	
ShaikhK23 [336]									
ShiYXQ22 [337]									
ShinBBHO18 [338]	scheduling, order, job, task, activity, resource, machine, preempt, transportation, inventory							real world, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
Siala15 [339]	scheduling, resource		disjunctive					benchmark, <a href="http://">http://</a>	
SialaAH15 [340]	scheduling, order, job, task, resource, machine, precedence, make span, cmax, tardiness, earliness, job shop, open shop, setup time, lazy clause generation	RCPSP, JSSP	cumulative, disjunctive		mistral			benchmark, <a href="http://">http://</a> , github	edge finding
SimoninAHL12 [341]	scheduling, order, task, activity, resource, precedence, preempt		cumulative, disjunctive, span constraint		CHIP				sweep
SimoninAHL15 [342]	scheduling, order, task, activity, resource, precedence, preempt, transportation, inventory, make span		cumulative, disjunctive, span constraint		CHIP				sweep
Simonis07 [344]	scheduling, order, job, task, activity, resource, machine, sequence dependent setup, transportation, bill of material, job shop, release date, due date, setup time, producer consumer, re scheduling, batch process		alldifferent, cumulative, disjunctive, diffn, bin packing	prolog	CHIP, scheduler	ilog			bi partite matching, time tabling, sweep
Simonis95 [343]	scheduling, order, task, resource, machine, precedence, transportation, producer consumer		cumulative, diffn, circuit	prolog	CHIP		food industry		
SimonisC95 [345]	scheduling, order, job, task, resource, machine, transportation, inventory, stock level, flow shop, job shop, due date, manpower, producer consumer, batch process, continuous process		cumulative, diffn	prolog	CHIP		food industry	real life	
SquillaciPR23 [346]	scheduling, order, task, activity, resource, distributed, multi agent	OSP, EOSP, Earth Observation Scheduling Problem	nooverlap	python	cplex			benchmark, <a href="https://">https://</a> , github	



Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
SubulanC22 [347]	scheduling, order, task, activity, resource, machine, precedence, preempt, transportation, inventory, BOM, make span, completion time, tardiness, due date	RCPSP	cumulative, endbeforestart		cplex, OPL			benchmark, real world, real life, https://	
SunLYL10 [349]	scheduling, order, task, distributed				cplex, OPL			http://, https://	
SureshMOK06 [350] SzerediS16 [351]	scheduling, order, task, activity, resource, machine, precedence, preempt, make span, lazy clause generation	RCPSP, psplib	cumulative		cplex, gecode, chuffed, mini zinc			benchmark, http://	
TangB20 [352]	scheduling, order, job, resource, machine, precedence, make span, tardiness, flow shop, due date, batch process	single machine, 2BPHFSP	endbeforestart, alwaysin, span constraint, bin packing	java	cplex, cpo		manufacturing industry	real world, https://	
TangLWSK18 [353] TardivoDFMP23 [354]	scheduling, order, task, activity, resource, precedence, preempt, make span, lazy clause generation	RCPSP, psplib, CuSP	cumulative, disjunctive	C++	gecode, CHIP, mini zinc			benchmark, real world, https://, github, bit-bucket	edge finding, not first, not last, energetic reasoning, time tabling, sweep
TasselGS23 [355]	scheduling, order, job, task, resource, machine, precedence, preempt, make span, completion time, flow time, tardiness, flow shop, job shop, re scheduling	JSSP	cumulative, disjunctive, nooverlap	java	choco			benchmark, industrial instance, real world, supplementary material, https://, github	
Tay92 [357] Teppan22 [358] Tesch16 [359]	scheduling, order, job, resource, precedence, make span, completion time	RCPSP, psplib, CuSP	cumulative, disjunctive	C++				http://	edge finding, not first, not last, energetic reasoning, time tabling, sweep
Tesch18 [360]	scheduling, order, job, task, resource, machine, precedence, preempt, make span, completion time, lateness, release date, due date	RCPSP, psplib, single machine, CuSP	cumulative					https://	edge finding, not last, energetic reasoning, time tabling, sweep
ThiruvadyBME09 [361]	scheduling, order, job, resource, machine, make span, tardiness, open shop, due date, setup time	single machine	cumulative	C++	gecode			http://	
Timpe02 [362]	scheduling, order, job, task, activity, resource, machine, inventory, stock level, make span, due date, setup time, producer consumer		cumulative, disjunctive, diffn	C++	cplex, CHIP		chemical industry, process industry	http://	
Tom19 [363]	scheduling, job, task, activity, resource, machine, transportation, make span, tardiness, job shop, re scheduling	single machine		java				real world	
TopalogluO11 [364]	scheduling, order, task, preempt, transportation, distributed, re scheduling				cplex, OPL, ilog solver			real life, http://	time tabling

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
TouatBT22 [365]									
Touraivane95 [366]	scheduling, order, task			prolog				real life	
TrojetHL11 [367]	scheduling, order, job, task, activity, resource, machine, precedence, make span, completion time, job shop, due date, distributed	RCPSP	alldifferent, cumulative, disjunctive, diffn	prolog	CHIP, sicstus			real world, http://	
Tsang03 [368]	scheduling, resource							real life	time tabling
ValleMGT03 [369]	scheduling, order, job, task, resource, machine, precedence, transportation, make span, job shop				ilog solver			real life, http://	edge finder
VanczaM01 [374]	scheduling, order, task, resource, machine, precedence		disjunctive					real world, real life, http://	
VerfaillieL01 [375]	scheduling, order, job, task, job shop, open shop	Open Shop Scheduling Problem			cplex, OPL			http://	
Vilim02 [376]	scheduling, activity, resource, precedence, sequence dependent setup, setup time, batch process		cumulative, disjunctive						edge finding
Vilim03 [377]	scheduling, order, job, job shop, open shop		cumulative, disjunctive						edge finding, not last
Vilim04 [378]	scheduling, order, job, task, activity, resource, machine, precedence, sequence dependent setup, completion time, job shop, setup time, batch process		cumulative, disjunctive					benchmark, http://	edge finding, not last, sweep
Vilim05 [379]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, completion time, job shop, open shop		cumulative, disjunctive	C++				benchmark, http://	not last
Vilim09 [380]	scheduling, order, job, activity, resource, precedence, preempt, completion time, job shop		cumulative		cpo			http://	edge finding, not first, not last, energetic reasoning
Vilim11 [382]	scheduling, order, task, activity, resource, machine, precedence, preempt, completion time, manpower	RCPSP, psplib	cumulative, disjunctive					benchmark, http://	edge finding, not last, energetic reasoning, time tabling, sweep
VilimBC04 [383]	scheduling, order, job, activity, resource, machine, precedence, make span, completion time, job shop, open shop, distributed		cumulative, disjunctive					benchmark, real life, http://	edge finding, not first, not last
VilimBC05 [384]	scheduling, order, job, task, activity, resource, machine, precedence, sequence dependent setup, make span, completion time, job shop, open shop, setup time, distributed, batch process		cumulative, disjunctive					benchmark, real life, http://	edge finding, not first, not last, sweep
VilimLS15 [385]	scheduling, order, job, task, activity, resource, machine, precedence, make span, cmax, completion time, earliness, job shop	RCPSP, psplib	cumulative, disjunctive, nooverlap		cplex, cpo			benchmark, http://	time tabling
VillaverdeP04 [386]									

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
VlkHT21 [387]	scheduling, order, resource, precedence, completion time, tardiness, due date, distributed	PMSP	alternative constraint, nooverlap		cplex, gurobi, Z3			benchmark, random instance, industrial partner, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
Wallace96 [388]	scheduling, order, job, task, activity, resource, machine, transportation, job shop, distributed, multi agent		disjunctive, circuit	prolog, lisp	OPL, eclipse, solver	CHIP, ilog	automotive industry, process industry	<a href="http://">http://</a>	time tabling
WallaceY20 [389]	scheduling, order, job, task, resource, machine, transportation, flow shop, job shop, lazy clause generation	CHSP	cumulative, disjunctive, circuit		cplex, gurobi, gecode, chuffed, mini zinc			benchmark, random instance, real world, real life, <a href="http://">http://</a> , <a href="https://">https://</a>	edge finding, time tabling
WangB20 [390]	scheduling, order, job, task, resource, machine, distributed	FJS, Fixed Job Scheduling	alldifferent		gurobi			<a href="http://">http://</a> , <a href="https://">https://</a> , github	
WangB23 [391]	scheduling, order, job, task, resource, transportation, lazy clause generation	FJS, Fixed Job Scheduling	alldifferent		gurobi			random instance, real world, <a href="http://">http://</a>	
WangMD15 [392]	scheduling, order, job, task, activity, resource, precedence, make span, cmax, completion time, job shop, re scheduling		cumulative, nooverlap		cplex			real world, <a href="http://">http://</a> , <a href="https://">https://</a>	time tabling
WatsonB08 [393]	scheduling, order, job, resource, machine, make span, cmax, completion time, job shop		disjunctive	C++	ilog scheduler			benchmark, real world	
WessenCS20 [394]	scheduling, order, job, task, precedence, make span, completion time, job shop, multi agent		circuit		gecode			real world, <a href="http://">http://</a> , <a href="https://">https://</a>	
WikarekS19 [395]	scheduling, order, job, task, resource, machine, precedence, preempt, inventory, make span, cmax, flow shop, job shop, setup time, manpower, distributed, multi agent	RCPSP, JSSP	cumulative, disjunctive		eclipse				
WinterMMW22 [396]	scheduling, order, job, task, resource, machine, precedence, completion time, tardiness, release date, due date, setup time, distributed	parallel machine, PMSP	alternative constraint, nooverlap		cplex, gurobi, cpo		agricultural industry, manufacturing industry	benchmark, real life, industrial partner, industry partner, supplementary material, <a href="https://">https://</a> , zenodo	
Wolf03 [397]	scheduling, order, job, task, activity, resource, machine, preempt, make span, completion time, job shop		cumulative, disjunctive	java				benchmark	edge finding, not first, not last, sweep
WolfS05 [398]	scheduling, order, task, activity, resource, preempt, completion time, distributed		cumulative		CHIP			real world	not last, energetic reasoning, sweep
WolinskiKG04 [399]	scheduling, order, resource, machine, precedence, distributed	SCC		java					
WolinskiKG04a [400]									
WuBB05 [401]	scheduling, job, resource, make span, release date				ilog scheduler			benchmark	

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
YangSS19 [402]	scheduling, order, task, activity, resource, machine, preempt, completion time, lazy clause generation		cumulative, disjunctive	prolog	gecode, choco, or tools, CHIP, sicstus			generated instance, <a href="https://">https://</a>	edge finding, not last, energetic reasoning
YoungFS17 [403]	scheduling, order, task, activity, resource, machine, precedence, preempt, make span, lazy clause generation	RCPSP, psplib	cumulative, disjunctive		chuffed, zinc	mini		benchmark, instance generator, <a href="http://">http://</a> , <a href="https://">https://</a> , github	time tabling
YunusogluY22 [404]									
YuraszeckMC23 [405]	scheduling, order, job, machine, precedence, preempt, make span, cmax, flow time, job shop, open shop, release date, due date, distributed	JSSP, OSSP	nooverlap					benchmark, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
YuraszeckMCCR23 [406]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, cmax, flow time, flow shop, job shop, open shop, setup time, batch process	RCPSP, JSSP, OSSP, FJS, Open Shop Scheduling Problem	cumulative, endbeforestart		cplex, OPL		pharmaceutical industry	benchmark, real world, <a href="https://">https://</a> , github	
ZarandiKS16 [407]	scheduling, order, job, task, resource, machine, preempt, transportation, make span, completion time, tardiness, earliness, flow shop, job shop, due date, distributed	single machine			ilog solver			real world	time tabling
ZeballosH05 [408]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, make span, completion time, tardiness, due date, buffer capacity				OPL, solver, scheduler	ilog ilog		<a href="http://">http://</a>	
ZeballosQH10 [409]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, transportation, make span, cmax, completion time, tardiness, earliness, job shop, due date				cplex, eclipse, solver, scheduler	OPL, ilog ilog		benchmark, real world, <a href="http://">http://</a>	
ZhangJZL22 [410]	scheduling, order, job, task, resource, machine, precedence, transportation, make span, completion time, tardiness, flow shop, due date, setup time	single machine, parallel machine	alternative constraint, cumulative, nooverlap, endbeforestart					benchmark	
ZhangLS12 [413]	scheduling, order, cmax								time tabling
ZhangW18 [412]	scheduling, order, job, resource, machine, precedence, preempt, transportation, make span, completion time, flow time, lateness, tardiness, earliness, flow shop, job shop, setup time, distributed, multi agent, re scheduling	FJS	cumulative, nooverlap		cplex, OPL, Z3			benchmark, <a href="http://">http://</a>	

Table 5: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
ZhangYW21 [411]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, cmax, job shop, release date, setup time, distributed, multi agent, re scheduling, batch process	RCPSP	disjunctive, endbeforestart		cplex			benchmark, <a href="https://">https://</a>	
Zhou96 [414]	scheduling, order, job, task, machine, precedence, completion time, job shop, release date, due date		disjunctive	prolog	Z3				edge finding
Zhou97 [415]	scheduling, order, job, task, machine, precedence, preempt, completion time, job shop, release date, due date		cumulative, disjunctive	prolog	CHIP, scheduler	ilog		benchmark	edge finder, edge finding
ZhouGL15 [416]	scheduling, order, job, task, resource, machine, transportation, make span, cmax, completion time, tardiness, flow shop, job shop, setup time, distributed, re scheduling	parallel machine, HFF, FJS	cumulative		gecode, or tools, CHIP			real world, <a href="http://">http://</a>	
ZhuS02 [417]	scheduling, activity, resource, distributed								
ZibranR11 [418]	scheduling, order, activity			java	cplex, OPL				
ZibranR11a [419]	scheduling, order, activity, resource, distributed				cplex, OPL			<a href="http://">http://</a>	time tabling
abs-0907-0939 [302]	scheduling, order, task, activity, resource, preempt, make span, release date, due date		cumulative	java	choco, CHIP			real world, <a href="http://">http://</a>	edge finding, energetic reasoning, sweep
abs-1901-07914 [41]	scheduling, order, task, resource, machine, make span, distributed, multi agent			python	or tools, mini zinc			benchmark, real world, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
abs-1902-01193 [8]	scheduling, order, task, activity, resource			python, C++ , prolog	CHIP, solver	ilog			time tabling
abs-1902-09244 [160]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, inventory, make span, completion time, tardiness, earliness, flow shop, job shop, release date, due date, setup time	RCPSP, FJS	cumulative, endbeforestart		cplex, OPL		food processing industry, steel industry	benchmark, real world, industry partner, <a href="https://">https://</a>	
abs-1911-04766 [134]	scheduling, order, job, task, activity, resource, precedence, make span, completion time, release date, due date, re scheduling	RCPSP	alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart	java	cplex, gecode, cpo, chuffed, mini zinc			benchmark, generated instance, instance generator, real world, real life, industrial partner, <a href="http://">http://</a> , <a href="https://">https://</a> , github	time tabling
abs-2211-14492 [348]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, make span, cmax, completion time, tardiness, flow shop, job shop, due date, setup time, distributed	single machine	cumulative, disjunctive, bin packing	python	cplex, or tools			benchmark, generated instance, random instance, <a href="https://">https://</a>	

Table 5: Keywords by Work and Domains									
Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
abs-2305-19888 [170]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, make span, cmax, completion time, flow shop, setup time, distributed, re scheduling	parallel machine	alternative constraint, cumulative, nooverlap		gurobi			benchmark, generated instance, real world, <a href="http://">http://</a> , <a href="https://">https://</a> , gitlab	
abs-2306-05747 [356]	scheduling, order, job, task, resource, machine, precedence, preempt, make span, completion time, flow time, tardiness, flow shop, job shop, re scheduling	JSSP	cumulative, disjunctive, nooverlap	java	choco			benchmark, industrial instance, real world, supplementary material, <a href="https://">https://</a> , github	
abs-2312-13682 [300]	scheduling, order, task, activity, resource, machine, transportation, inventory, make span, re scheduling		cumulative, table constraint					generated instance, real world	
abs-2402-00459 [279]	scheduling, order, job, task, resource, machine, precedence, completion time, tardiness, earliness, job shop, due date, multi agent	single machine	cumulative, disjunctive, bin packing		or tools		mining industry	benchmark, generated instance, instance generator, real world, <a href="http://">http://</a> , <a href="https://">https://</a> , github	
cp-Hooker05 [179]	scheduling, order, job, task, resource, machine, precedence, make span, tardiness, release date, due date		cumulative, disjunctive, circuit		cplex, OPL, ilog scheduler				
cpaior-GayHS15 [130]	scheduling, order, task, resource, machine, preempt, manpower	RCPSP, psplib	cumulative, disjunctive	java				benchmark, real world, <a href="https://">https://</a> , bitbucket	edge finding, not first, not last, energetic reasoning, time tabling, sweep
cpaior-SchuttFS13 [329]	scheduling, order, task, activity, resource, machine, precedence, preempt, make span, completion time, lazy clause generation	RCPSP, psplib	cumulative, disjunctive, circuit		CHIP			benchmark, <a href="http://">http://</a>	edge finding, not last, energetic reasoning
cpaior-Vilim09 [381]	scheduling, order, task, activity, resource, preempt, completion time		cumulative		ilog scheduler				edge finding, not last, energetic reasoning

Table 6: Papers by Domain and Keyword			
Domain	Keyword	High	Medium
Concepts	Allen s algebra		
Concepts	BOM	SubulanC22[347]	

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	activity	AalianPG23[1], PovedaAA23[309], TardivoDFMP23[354], CampeauG22[72], SubulanC22[347], BenderWS21[47], KlankeBYE21[203], HubnerGSV21[184], AstrandJZ20[22], GeibingerMM19[135], MurinR19[273], abs-1902-09244[160], abs-1911-04766[134], AstrandJZ18[21], LaborieRSV18[222], BofillCSV17[57], CappartS17[73], LiuCGM17[239], Pralet17[310], YoungFS17[403], KreterSS17[217], BonfiettiZLM16[64], CauwelaertDMS16[76], GilesH16[140], LimHTB16[234], SzerediS16[351], NovaraNH16[283], DejemeppeCS15[92], KreterSS15[216], LombardiBM15[241], BonfiettiLM14[63], DejemeppeD14[93], DerrienP14[97], DerrienPZ14[98], GaySS14[131], GrimesIOS14[152], NovasH14[287], GuSS13[156], cpaior-SchuttFS13[329], OzturkTHO13[293], BonfiettiLBM12[62], SchuttCSW12[328], SerraNM12[335], SimoninAHL12[341], LombardiM12[245], NovasH12[286], BonfiettiLBM11[61], ClercqPBJ11[81], LombardiBMB11[242], Vilim11[382], ZibranR11a[419], HachemiGR11[158], KovacsB11[210], SchuttFSW11[332], LombardiM10[244], LopesCSM10[246], NovasH10[285], ZeballosQH10[409], LombardiM09[243], MonetteDH09[266], Vilim09[380], cpaior-Vilim09[381], abs-0907-0939[302], DoomsH08[102], MouraSCL08[271], KovacsB08[209], LiessM08[232], DavenportKRSH07[88], KeriK07[199], BeniniBGM06[50], FortinZDF05[118], QuirogaZH05[317], Vilim05[379], VilimBC05[384], ZeballosH05[408], HentenryckM04[172], Vilim04[378], VilimBC04[383], OddiPCC03[288], ElkhyariGJ02[107], ElkhyariGJ02a[108], Muscettola02[275], ArtiguesR00[17], BaptisteP00[29], SakkoutW00[325], GruianK98[155], PapaB98[296], BaptisteP97[28]	Bit-Monnot23[55], YuraszeckMCCR23[406], BoudreaaultSLQ22[67], PopovicCGNC22[307], LunardiBLRV20[249], YangSS19[402], EscobetPQPRA19[110], Novas19[284], ShinBBHO18[338], BoothNB16[65], SchuttS16[333], VilimLS15[385], GoelSHFS15[144], DoulabiRP14[103], ChapadosJR11[78], ZibranR11[418], SchuttFSW09[331], GarridoOS08[127], KrogtLPHJ07[372], Simonis07[344], KhayatLR06[200], Geske05[139], DannaP03[85], Bartak02[33], KamarainenS02[190], Mason01[259], RodosekW98[320]	PrataAN23[312], PerezGSL23[299], SquillaciPR23[346], abs-2305-19888[170], abs-2312-13682[300], OuelletQ22[291], HeinzNVH22[169], MullerMKP22[272], PohlAK22[305], abs-2211-14492[348], Astrand0F21[20], GeibingerMM21[136], HillTV21[175], PandeyS21a[294], ZhangYW21[411], Mercier-AubinGQ20[263], QinDCS20[315], SacramentoSP20[322], GalleguillosKSB19[124], Tom19[363], abs-1902-01193[8], DemirovicS18[95], NishikawaSTT18[280], NishikawaSTT18a[281], Madi-WambaLOBM17[252], MossigeGSMC17[269], NattafAL17[277], GayHLS15[128], MurphyMB15[274], PesantRR15[301], PraletLJ15[311], NattafAL15[276], SimoninAHL15[342], WangMD15[392], AlesioNBG14[99], BartoliniBBLM14[35], KelarevaTK13[197], SchuttFS13[330], HeinzB12[164], LimtanyakulS12[237], EdisO11[105], TrojetHL11[367], MakMS10[253], SchuttW10[334], Laborie09[220], ArtiouchineB05[18], WolfS05[398], PoderBS04[304], Kumar03[219], Wolf03[397], Bartak02a[32], BeldiceanuC02[42], Vilim02[376], ZhuS02[417], Timpe02[362], HeipckeCCS00[171], BeckDF97[37], Colombani96[84], Wallace96[388], Puget95[313]
Concepts	batch process	LacknerMMWW23[224], LacknerMMWW21[223], QinWSLS21[314], NovaraNH16[283], KoschB14[208]	TangB20[352], NovasH10[285], Vilim02[376], SimonisC95[345]	PrataAN23[312], IsikYA23[186], YuraszeckMCCR23[406], GeitzGSSW22[137], LiFJZLL22[231], OujanaAYB22[292], AbreuN22[89], MullerMKP22[272], KlankeBYE21[203], FanXG21[115], ZhangYW21[411], MengZRZL20[262], EscobetPQPRA19[110], FahimiOQ18[113], LaborieRSV18[222], CauwelaertDMS16[76], GrimesH10[149], Simonis07[344], VilimBC05[384], ArtiguesBF04[16], Vilim04[378]
Concepts	bill of material			Simonis07[344]
Concepts	buffer capacity			LiFJZLL22[231], OujanaAYB22[292], NovasH14[287], ZeballosH05[408]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	cmax	JuvinHHL23[188], KameugneFND23[193], YuraszeckMC23[405], IsikYA23[186], YuraszeckMCCR23[406], abs-2305-19888[170], AbreuN22[89], FetgoD22[116], abs-2211-14492[348], ArmstrongGOS21[13], AbohashimaEG21[2], QinWSLS21[314], GodetLHS20[143], MengZRZL20[262], QinDCS20[315], MalapertN19[254], WikarekS19[395], KameugneFGOQ18[192], GedikKEK18[132], VilimLS15[385], OzturkTHO13[293], BillautHL12[54], GrimesH11[150], LahimerLH11[225], BeldiceanuCDP11[43], GrimesH10[149], ZeballosQH10[409], ArtiguesBF04[16], PapaB98[296]	Mehdizadeh-Somarin23[260], ArmstrongGOS22[14], BoudreaaultSLQ22[67], MullerMKP22[272], ParkUJR19[297], Novas19[284], ArbaouiY18[12], ZhouGL15[416], WangMD15[392], ZhangLS12[413], Muscettola02[275], ArtiguesR00[17]	JuvinHL23[189], HanenKP21[159], HubnerGSV21[184], ZhangYW21[411], BofilCSV17[57], LiuCGM17[239], SialaAH15[340], KoschB14[208], WatsonB08[393], LiessM08[232], AkkerDH07[370], KeriK07[199], KhayatLR06[200], BaptisteP00[29]
Concepts	completion time	PrataAN23[312], JuvinHL23[189], KameugneFND23[193], Mehdiadeh-Somarin23[260], OuelletQ22[291], AbreuN22[89], FetgoD22[116], SubulanC22[347], ArmstrongGOS21[13], KlankeBYE21[203], LunardiBLRV20[249], QinDCS20[315], ArbaouiY18[12], KameugneFGOQ18[192], FahimiOQ18[113], GedikKEK18[132], ZhangW18[412], DejemeppeCS15[92], ZhouGL15[416], KoschB14[208], OuelletQ13[289], HeinzSB13[168], OzturkTHO13[293], KelbelH11[198], KovacsB11[210], KovacsK11[212], TrojetHL11[367], Vilim09[380], cpaior-Vilim09[381], KovacsB08[209], ChuX05[79], QuirogaZH05[317], ZeballosH05[408], Wolf03[397], ArtiguesR00[17], SchildW00[327]	abs-2305-19888[170], LiFJZLL22[231], OujanaAYB22[292], HeinzNVH22[169], MullerMKP22[272], abs-2211-14492[348], GeibingerMM21[136], HanenKP21[159], FanXG21[115], QinWSLS21[314], Mercier-AubinGQ20[263], NattafM20[278], BogaerdtW19[371], GeibingerMM19[135], MalapertN19[254], ParkUJR19[297], YangSS19[402], abs-1902-09244[160], abs-1911-04766[134], OuelletQ18[290], CappartS17[73], KreterSS17[217], CauwelaertDMS16[76], ZarandiKS16[407], GaySS14[131], cpaior-SchuttFS13[329], LombardiM12[245], NovasH12[286], EdisO11[105], GrimesH11[150], HermenierDL11[174], KameugneFSN11[194], NovasH10[285], ZeballosQH10[409], LombardiM09[243], MonetteDH09[266], MonetteDD07[265], VilimBC05[384], ArtiguesBF04[16], LimRX04[233], Vilim04[378], VilimBC04[383], Zhou97[415], Goltz95[147]	abs-2402-00459[279], JuvinHHL23[188], PerezGSL23[299], TasselGS23[355], AkramNHRS23[7], IsikYA23[186], MontemanniD23a[267], abs-2306-05747[356], Armstrong-GOS22[14], GeitzGSSW22[137], PopovicCGNC22[307], WinterMMW22[396], ZhangJZL22[410], CampeauG22[72], PohlAK22[305], HubnerGSV21[184], PandeyS21a[294], VlkHT21[387], GodetLHS20[143], WessenCS20[394], AstrandJJ22[22], MengZRZL20[262], SacramentoSP20[322], MurinR19[273], Novas19[284], Tesch18[360], MossigeGSMC17[269], FontaineMH16[117], Tesch16[359], NovaraNH16[283], BurtLPS15[70], EvenSH15[111], KreterSS15[216], LombardiBM15[241], VilimLS15[385], EvenSH15a[112], Kameugne15[191], WangMD15[392], AlesioNBG14[99], GrimesIOS14[152], KameugneFSN14[195], NovasH14[287], SchuttFS13[330], BillautHL12[54], HeinzB12[164], LimtanyakulS12[237], ClercqPB11[81], HeinzS11[167], LahimerLH11[225], LombardiBMB11[242], Vilim11[382], SchuttFSW11[332], BertholdHLM10[52], Davenport10[87], LombardiM10[244], DoomsH08[102], WatsonB08[393], AkkerDH07[370], ArtiouchineB05[18], Vilim05[379], WolfS05[398], HentenryckM04[172], Sadykov04[323], OddiPCC03[288], HeipckeCCS00[171], PapaB98[296], Zhou96[414], GaySS14[131], Bartak02[33], SimonisC95[345]
Concepts	continuous process			



Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	distributed	PrataAN23[312], MengZRZL20[262], He0GLW18[161], ZhouGL15[416], BonfiettiLM14[63], BartakS11[34], HoeveGSL07[373], RossiTHP07[321], GomesHS06[148], Geske05[139]	IsikYA23[186], OujanaAYB22[292], AbreuN22[89], ZhangW18[412], ZarandiKS16[407], AlesioNBG14[99], HermenierDL11[174], SunLYL10[349], LopesCSM10[246], BeniniBGM06[50], ZhuS02[417], SchildW00[327], Wallace96[388]	Bit-Monnot23[55], KimCMLLP23[202], SquillaciPR23[346], YuraszeckMC23[405], AkramNHRS23[7], GurPAE23[157], MontemanniD23[268], abs-2305-19888[170], Boudreault-SLQ22[67], LiFJZLL22[231], WinterMMW22[396], HeinzNVH22[169], abs-2211-14492[348], BenderWS21[47], GeibingerKKMMW21[133], KovacsTKSG21[215], FanXG21[115], PandeyS21a[294], VlkHT21[387], ZhangYW21[411], BarzegaranZP20[36], WangB20[390], SacramentoSP20[322], BehrensLM19[40], FrohnerTR19[122], GalleguillosKSB19[124], ParkUJR19[297], EscobetPQPRA19[110], Novas19[284], WikarekS19[395], abs-1901-07914[41], NishikawaSTT18[280], NishikawaSTT18a[281], FahimiOQ18[113], LaborieRSV18[222], Madi-WambaLOBM17[252], MossigeGSMC17[269], BoothNB16[65], LimHTB16[234], EvenSH15[111], LombardiBM15[241], EvenSH15a[112], KoschB14[208], GrimesIOS14[152], GuSS13[156], BonfiettiLBM12[62], IfrimOS12[185], LombardiM12[245], ClercqPB11[81], ZibranR11a[419], KelbelH11[198], KovacsB11[210], TopalogluO11[364], TrojetHL11[367], CobanH10[82], MonetteDH09[266], LauLN08[226], MouraSCL08[271], MouraSCL08a[270], KhemmoudjPB06[201], QuSN06[316], AbrilSB05[3], WolfS05[398], Hooker05[178], VilimBC05[384], Hooker04[177], VilimBC04[383], WolinskiKG04[399], OddiPCC03[288], KuchcinskiW03[218], SakkoutW00[325], PapaB98[296], DincbasSH90[101]
Concepts	due date	OujanaAYB22[292], AntuoriHHEN21[11], FanXG21[115], Mercier-AubinGQ20[263], TangB20[352], Novas19[284], abs-1902-09244[160], abs-1911-04766[134], Tesch18[360], GoldwaserS17[146], NovaraNH16[283], DoulabiRP14[103], HoundjiSWD14[183], KoschB14[208], LimtanyakulS12[237], KelbelH11[198], NovasH10[285], ZeballosQH10[409], MonetteDH09[266], KrogtLPHJ07[372], Simonis07[344], Hooker06[180], Sadykov04[323], PapaB98[296], Zhou97[415], Colombani96[84], Zhou96[414]	PrataAN23[312], IsikYA23[186], LacknerMMWW23[224], WinterMMW22[396], abs-2211-14492[348], GeibingerMM21[136], LacknerMMWW21[223], GeibingerMM19[135], FahimiOQ18[113], ZarandiKS16[407], GrimesIOS14[152], HeinzSB13[168], GrimesH11[150], Davenport10[87], MakMS10[253], SchuttW10[334], ThiruvadyBME09[361], abs-0907-0939[302], MouraSCL08a[270], Limtanyakul07[236], ChuX05[79], QuirogaZH05[317], cp-Hooker05[179], ZeballosH05[408], ArtiguesR00[17], BelhadjiI98[46], BeckDF97[37]	abs-2402-00459[279], JuvinHHL23[188], KimCMLLP23[202], YuraszeckMC23[405], ZhangJZL22[410], MullerMKP22[272], SubulanC22[347], HanenKP21[159], KlankeBYE21[203], KovacsTKSG21[215], HubnerGSV21[184], VlkHT21[387], GroleazNS20[154], AstrandJZ20[22], LunardiBLRV20[249], ParkUJR19[297], EscobetPQPRA19[110], Laborie18a[221], GedikKEK18[132], LaborieRSV18[222], Hooker17[181], Pralet17[310], PraletLJ15[311], NattafAL15[276], Bil-lautHL12[54], HeinzB12[164], IfrimOS12[185], LombardiM12[245], ClercqPB11[81], EdisO11[105], KovacsB11[210], KovacsK11[212], TrojetHL11[367], LopesCSM10[246], Laborie09[220], AkkerDH07[370], BeldiceanuP07[45], KeriK07[199], KhayatLR06[200], FrankK05[119], Hooker05[178], HentenryckM04[172], PoderBS04[304], ElkhyariGJ02[107], ElkhyariGJ02a[108], Timpe02[362], BaptisteP00[29], HeipckeCCS00[171], BaptisteP97[28], Goltz95[147], SimonisC95[345], abs-2402-00459[279], IsikYA23[186], LacknerMMWW23[224], LacknerMMWW21[223], FanXG21[115], Mercier-AubinGQ20[263], ColT19[83], ZhangW18[412], NovaraNH16[283], LimBTBB15[235], SialaAH15[340], VilimLS15[385], HeinzB12[164], EdisO11[105], KovacsK11[212], NovasH10[285], ZeballosQH10[409], KovacsV06[214], QuirogaZH05[317], Bartak02[33], Bartak02a[32], KamarainenS02[190], ArtiguesR00[17]
Concepts	earliness	PrataAN23[312], KimCMLLP23[202], PohlAK22[305], abs-1902-09244[160], LaborieRSV18[222], ZarandiKS16[407], LombardiM12[245], GrimesH11[150], KelbelH11[198], Laborie09[220], MonetteDH09[266], KeriK07[199], DannaP03[85]	MengZRZL20[262], KovacsB11[210], Davenport10[87]	

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	flow shop	PrataAN23[312], JuvinHL23[189], IsikYA23[186], ArmstrongGOS22[14], LiFJZLL22[231], OujanaAYB22[292], ZhangJZL22[410], AbreuN22[89], ArmstrongGOS21[13], QinWSLS21[314], AstrandJZ20[22], MengZRZL20[262], ParkUJR19[297], Novas19[284], ZhangW18[412], ZhouGL15[416]	Mehdizadeh-Somarin23[260], FanXG21[115], KoehlerBFFHPSSS21[205], TangB20[352], abs-1902-09244[160], LaborieRSV18[222], GrimesH11[150], KovacsB11[210]	AalianPG23[1], JuvinHHL23[188], TasselGS23[355], YuraszeckMCCR23[406], abs-2305-19888[170], abs-2306-05747[356], HeinzNVH22[169], abs-2211-14492[348], HillTV21[175], KovacsTKSG21[215], LacknerMMWW21[223], PandeyS21a[294], LunardiBLRV20[249], SacramentoSP20[322], WallaceY20[389], WikarekS19[395], ZarandiKS16[407], OzturkTHO13[293], BillautHL12[54], LombardiM12[245], KovacsK11[212], GrimesH10[149], BarlattCG08[31], LauLN08[226], QuirogaZH05[317], BaptisteP00[29], SchildW00[327], KorbaaYG99[206], PapaB98[296], BaptisteP97[28], SimonisC95[345]
Concepts	flow time	FanXG21[115], NattafM20[278], MalapertN19[254], ZhangW18[412]	PrataAN23[312]	TasselGS23[355], YuraszeckMC23[405], YuraszeckMCCR23[406], abs-2306-05747[356], LiFJZLL22[231], AbreuN22[89], KoehlerBFFHPSSS21[205], MengZRZL20[262], ParkUJR19[297], Novas19[284], EdisO11[105], KovacsB11[210], QuirogaZH05[317]
Concepts	inventory	SubulanC22[347], GilesH16[140], GoelSHFS15[144], SerraNM12[335], LopesCSM10[246], RossiTHP07[321], Timpe02[362], BeckDF97[37]	Novas19[284], MakMS10[253], LauLN08[226], MouraSCL08a[270], DavenportKRSH07[88], GarganiR07[125]	PrataAN23[312], PerezGSL23[299], GurPAE23[157], abs-2312-13682[300], AbreuN22[89], PohlAK22[305], KovacsTKSG21[215], HubnerGSV21[184], GroleazNS20[154], WikarekS19[395], abs-1902-09244[160], LaborieRSV18[222], ShinBBHO18[338], SchuttS16[333], SimoninAHL15[342], HoundjiSWD14[183], KelarevaTK13[197], HeinzSSW12[166], LombardiM12[245], KelbelH11[198], Laborie09[220], MouraSCL08[271], KrogtLPHJ07[372], QuirogaZH05[317], SimonisC95[345]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	job	PrataAN23[312], abs-2402-00459[279], Bit-Monnot23[55], JuvinHHL23[188], JuvinHL23[189], KimCMLLP23[202], Mehdezadeh-Somarin23[260], TasselGS23[355], WangB23[391], YuraszeckMC23[405], IsikYA23[186], LacknerMMWW23[224], YuraszeckMCCR23[406], abs-2306-05747[356], ArmstrongGOS22[14], GeitzGSSW22[137], LiFJZLL22[231], OujanaAYB22[292], WinterMMW22[396], ZhangJZL22[410], AbreuN22[89], MullerMKP22[272], abs-2211-14492[348], ArmstrongGOS21[13], Astrand0F21[20], GeibingerMM21[136], HillTV21[175], KovacsTKSG21[215], LacknerMMWW21[223], FanXG21[115], KoehlerBFFHPSSS21[205], PandeyS21a[294], QinWLS21[314], ZhangYW21[411], GodetLHS20[143], GroleazNS20[154], NattafM20[278], TangB20[352], WangB20[390], AstrandJZ20[22], BenediktMH20[48], LunardiBLRV20[249], MengZRZL20[262], SacramentoSP20[322], WallaceY20[389], BogaerdTW19[371], ColT19[83], GalleguillosKSB19[124], GeibingerMM19[135], MalapertN19[254], MurinR19[273], ParkUJR19[297], Novas19[284], WikarekS19[395], abs-1902-09244[160], abs-1911-04766[134], ArbaouiY18[12], BenediktSMVH18[49], Laborie18a[221], Tesch18[360], FahimiOQ18[113], GedikKEK18[132], LaborieRSV18[222], ZhangW18[412], Hooker17[181], Madi-WambaLOBM17[252], MossigeGSMC17[269], Pralet17[310], CauwelaertDMS16[76], FontaineMH16[117], Tesch16[359], DejemeppeCS15[92], SialaAH15[340], VilimLS15[385], BartoliniBBLM14[35], DejemeppeD14[93], GaySS14[131], KoschB14[208], NovasH14[287], CireCH13[80], HeinzKB13[165], SchuttFS13[330], HeinzSB13[168], OzturkTHO13[293], BillautHL12[54], HeinzB12[164], RendlPHPR12[318], LimtanyakulS12[237], NovasH12[286], EdisO11[105], GrimesH11[150], HeinzS11[167], LahimerLH11[225], KelbelH11[198], KovacsB11[210], BertholdHLMs10[52], CobanH10[82], GrimesH10[149], MakMS10[253], NovasH10[285], AronssonBK09[15], GrimesHM09[151], Laborie09[220], MonetteDH09[266], ThiruvadyBME09[361], DoomsH08[102], LauLN08[226], WatsonB08[393], AkkerDH07[370], DavenportKRSH07[88], Limtanyakul07[236], MonetteDD07[265], KhayatLR06[200], ArtiouchineB05[18], ChuX05[79], DilkinaDH05[100], Vilim05[379], VilimBC05[384], ZeballosH05[408], ArtiguesBF04[16], HentenryckM04[172], LimRX04[233], Sadykov04[323], VilimBC04[383], DannaP03[85], Wolf03[397], HookerY02[182], ArtiguesR00[17], HeipckeCCS00[171], SakkoutW00[325], SchildW00[327], RodosekW98[320], BelhadjiI98[46]	EfthymiouY23[106], abs-2305-19888[170], HeinzNVH22[169], HanenKP21[159], Mercier-AubinGQ20[263], Tom19[363], EscobetPQPRA19[110], PourDERB18[308], CappartS17[73], NattafAL17[277], Madi-WambaB16[251], ZarandiKS16[407], PraletLJ15[311], ZhouGL15[416], LetortCB15[230], BonfiettiLM14[63], LombardiM12[245], KovacsK11[212], Simonis07[344], KovacsV06[214], Hooker06[180], Geske05[139], HebrardTW05[162], Hooker05[178], KovacsV04[213], VerfaillieL01[375], BaptisteP00[29], BaptisteP97[28], Caseau97[75], Puget95[313]	PovedaAA23[309], CampeauG22[72], PohlAK22[305], An- tuoriHHEN21[11], BenderWS21[47], KlankeBYE21[203], HubnerGSV21[184], WessenCS20[394], QinDCS20[315], FrimodigS19[121], BaptisteB18[26], ShinBBHO18[338], HechingH16[163], NovaraNH16[283], BurtLPS15[70], LimBTBB15[235], LombardiBM15[241], MelgarejoLS15[6], WangMD15[392], AlesioNBG14[99], BessiereHMQW14[53], DerrienPZ14[98], KameugneFSN14[195], BonfiettiLBM12[62], IfrimOS12[185], BonfiettiLBM11[61], KameugneFSN11[194], HachemiGR11[158], TrojetHL11[367], LopesCSM10[246], ZeballosQH10[409], SchuttFSW09[331], Vilim09[380], Bar- lattCG08[31], KovacsB08[209], LiessM08[232], HoeveGSL07[373], KeriK07[199], KrogtLPHJ07[372], FrankK05[119], Kovac- sEKV05[211], WuBB05[401], cp-Hooker05[179], Vilim04[378], ValleMGT03[369], Vilim03[377], Bartak02[33], Bartak02a[32], KamarainenS02[190], Muscettola02[275], Timpe02[362], Angels- markJ00[10], KorbaaYG99[206], CestaOS98[77], Wallace96[388], DincbasSH90[101]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	job shop	PrataAN23[312], abs-2402-00459[279], Bit-Monnot23[55], JuvinHHL23[188], KimCMLLP23[202], Mehdizadeh-Somarin23[260], TasselGS23[355], YuraszeckMCCR23[406], abs-2306-05747[356], GeitzGSSW22[137], LiFJZLL22[231], OujanaAYB22[292], MullerMKP22[272], abs-2211-14492[348], KovacsTKSG21[215], FanXG21[115], ZhangYW21[411], AstrandJZ20[22], LunardiBLRV20[249], MengZRZL20[262], ColT19[83], MurinR19[273], Novas19[284], FahimiOQ18[113], LaborieRSV18[222], ZhangW18[412], Pralet17[310], CauwelaertDMS16[76], FontaineMH16[117], DejemeppeCS15[92], SialaAH15[340], VilimLS15[385], SchuttFS13[330], BillautHL12[54], GrimesH11[150], KelbelH11[198], KovacsB11[210], GrimesH10[149], GrimesHM09[151], MonetteDH09[266], WatsonB08[393], MonetteDD07[265], KhayatLR06[200], ArtiouchineB05[18], DilkinaDH05[100], Vilim05[379], ArtiguesBF04[16], HentenryckM04[172], DannaP03[85], Wolf03[397], ArtiguesR00[17], SakkoutW00[325], SchildW00[327], BelhadjiI98[46], PapaB98[296], BeckDF97[37], Zhou97[415], Colombani96[84], Zhou96[414], Goltz95[147]	EfthymiouY23[106], IsikYA23[186], AbreuN22[89], ArmstrongGOS21[13], Astrand0F21[20], KoehlerBFFHPSSS21[205], QinWSLS21[314], GroleazNS20[154], SacramentoSP20[322], EscobetPQPRA19[110], WikarekS19[395], CappartS17[73], MossigeGSMC17[269], BonfiettiLM14[63], GaySS14[131], LombardiM12[245], AronssonBK09[15], LauLN08[226], KovacsV06[214], Geske05[139], HebrardTW05[162], VilimBC05[384], KovacsV04[213], VilimBC04[383], BaptisteP00[29], BaptisteP97[28], Caseau97[75], Puget95[313], SimonisC95[345]	JuvinHL23[189], PovedaAA23[309], YuraszeckMC23[405], LacknerMMWW23[224], AntuoriHHEN21[11], HanenKP21[159], KlankeBYE21[203], Mercier-AubinGQ20[263], WessenCS20[394], BenediktMH20[48], WallaceY20[389], BogaerdtW19[371], FrimodigS19[121], ParkUJR19[297], Tom19[363], abs-1902-09244[160], BenediktSMVH18[49], ZarandiKS16[407], BurtLPS15[70], LimBTBB15[235], LombardiBM15[241], PraletLJ15[311], ZhouGL15[416], WangMD15[392], AlesioNBG14[99], DejemeppeD14[93], KoschB14[208], KameugneFSN14[195], NovasH14[287], HeinzKB13[165], BonfiettiLBM12[62], BonfiettiLBM11[61], KameugneFSN11[194], HachemiGR11[158], KovacsK11[212], TrojetHL11[367], LopesCSM10[246], ZeballosQH10[409], Laborie09[220], Vilim09[380], BarlattCG08[31], DoomsH08[102], LiessM08[232], DavenportKRSH07[88], HoeveGSL07[373], KeriK07[199], KrogtLPHJ07[372], Simonis07[344], KovacsEKV05[211], Vilim04[378], ValleMGT03[369], Vilim03[377], Bartak02[33], Bartak02a[32], KamarainenS02[190], Muscettola02[275], VerfaillieL01[375], AngelsmarkJ00[10], HeipckeCCS00[171], KorbaaYG99[206], Wallace96[388], DincbasSH90[101]
Concepts	lateness	FahimiOQ18[113], KoschB14[208], Geske05[139], ArtiguesR00[17]	PrataAN23[312], PohlAK22[305], ZhangW18[412], AkkerDH07[370], Sadykov04[323]	LacknerMMWW23[224], GeitzGSSW22[137], HanenKP21[159], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], QinWSLS21[314], ParkUJR19[297], Novas19[284], Tesch18[360], EdisO11[105], NovasH10[285], Bartak02[33]
Concepts	lazy clause generation	KreterSS17[217], KreterSS15[216], KelarevaTK13[197], SchuttFS13[330], cpaio-SchuttFS13[329], SchuttFSW11[332], SchuttFSW09[331]	Bit-Monnot23[55], PovedaAA23[309], BoudreaultSLQ22[67], GeitzGSSW22[137], OuelletQ22[291], FahimiOQ18[113], SchuttS16[333], SzerediS16[351], SialaAH15[340], BofillEGPSV14[58], GuSS13[156], SchuttCSW12[328]	KameugneFND23[193], TardivoDFMP23[354], WangB23[391], FetgoD22[116], GeibingerMM21[136], HillTV21[175], GodetLHS20[143], Mercier-AubinGQ20[263], WallaceY20[389], YangSS19[402], BaptisteB18[26], BofillCSV17[57], GoldwaserS17[146], YoungFS17[403], PesantRR15[301], LombardiM12[245], GrimesH11[150], SchuttW10[334]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	machine	PrataAN23[312], abs-2402-00459[279], AalianPG23[1], EftymiouY23[106], JuvinHHL23[188], JuvinHL23[189], KimCMLLP23[202], Mehdizadeh-Somarin23[260], PerezGSL23[299], TasselGS23[355], YuraszeckMC23[405], IsikYA23[186], LacknerMMWW23[224], YuraszeckMCCR23[406], abs-2305-19888[170], abs-2306-05747[356], abs-2312-13682[300], ArmstrongGOS22[14], GeitzGSSW22[137], LiFJZLL22[231], OujanaAYB22[292], WinterMMW22[396], ZhangJZL22[410], AbreuN22[89], HeinzNVH22[169], MullerMKP22[272], abs-2211-14492[348], AntuoriHHEN21[11], ArmstrongGOS21[13], AstrandOF21[20], BenderWS21[47], HanenKP21[159], KovacsTKSG21[215], LacknerMMWW21[223], FanXG21[115], HubnerGSV21[184], KoehlerBFFHPSSS21[205], PandeyS21a[294], QinWSLS21[314], ZhangYW21[411], GodetLHS20[143], GroleazNS20[154], NattafM20[278], TangB20[352], AstrandJZ20[22], BenediktMH20[48], LunardiBLRV20[249], MengZRZL20[262], QinDCS20[315], SacramentoSP20[322], BogaerdtW19[371], ColT19[83], FrimodigS19[121], GalleguillosKSB19[124], MalapertN19[254], MurinR19[273], ParkUJR19[297], EscobetPQPRA19[110], Novas19[284], WikarekS19[395], abs-1901-07914[41], abs-1902-09244[160], ArbaouiY18[12], AstrandJZ18[21], BenediktSMVH18[49], Tesch18[360], GedikKEK18[132], LaborieRSV18[222], ZhangW18[412], Madi-WambaLOBM17[252], MossigeGSMC17[269], FontaineMH16[117], BurtLPS15[70], KreterSS15[216], VilimLS15[385], ZhouGL15[416], BartoliniBBLM14[35], BessiereHMqw14[53], HoundjiSWD14[183], KoschB14[208], GrimesIOS14[152], NovasH14[287], SchuttFS13[330], OzturkTHO13[293], BillautHL12[54], IfrimOS12[185], LimtanyakulS12[237], EdisO11[105], GrimesH11[150], LahimerLH11[225], KovacsB11[210], KovacsK11[212], SchuttFSW11[332], GrimesH10[149], MakMS10[253], ZeballosQH10[409], GrimesHM09[151], Laborie09[220], MonetteDH09[266], ThiruvadyBME09[361], WatsonB08[393], LiessM08[232], AkkerDH07[370], DavenportKRSH07[88], Limtanyakul07[236], MonetteDD07[265], Simonis07[344], KhayatLR06[200], ArtiouchineB05[18], DilkinaDH05[100], Geske05[139], QuirogaZH05[317], ZeballosH05[408], ArtiguesBF04[16], HentenryckM04[172], Sadykov04[323], OddiPCC03[288], ValleMGT03[369], Wolf03[397], Bartak02a[32], BeldiceanuC02[42], Timpe02[362], VanczaM01[374], HeipckeCCS00[171], SchildW00[327], KorbaaYG99[206], BelhadjiI98[46]	Bit-Monnot23[55], AkramNHRSA23[7], GurPAE23[157], HillTV21[175], KlankeBYE21[203], AbohashimaEG21[2], BehrensLM19[40], He0GLW18[161], BaptisteB18[26], FahimiOQ18[113], ShinBBHO18[338], GoldwaserS17[146], Pralet17[310], KreterSS17[217], CauwelaertDMS16[76], SchuttS16[333], ZarandiKS16[407], DejemeppeCS15[92], MurphyMB15[274], SialaAH15[340], GaySS14[131], BonfiettiLBM12[62], LombardiM12[245], KelbelH11[198], SchuttFSW09[331], LauLN08[226], KovacsB08[209], KovacsV06[214], ChuX05[79], Vilim05[379], VilimBC05[384], VilimBC04[383], HookerY02[182], SakkoutW00[325], Wallace96[388]	KameugneFND23[193], MontemanniD23[268], Boudreault-SLQ22[67], PopovicCGNC22[307], PohlAK22[305], SubulanC22[347], GeibingerMM21[136], BarzegaranZP20[36], Mercier-AubinGQ20[263], WangB20[390], WallaceY20[389], Tom19[363], YangSS19[402], Laborie18a[221], PourDERB18[308], BofillCSV17[57], CappartS17[73], KletzanderM17[204], LiuCGM17[239], YoungFS17[403], BoothNB16[65], LimHTB16[234], SzerediS16[351], NovaraNH16[283], BofillGSV15[59], EvenSH15[111], LimBTBB15[235], LombardiBM15[241], MelgarejoLS15[6], cpaior-GayHS15[130], EvenSH15a[112], GoelSHFS15[144], LetortCB15[230], BofillEGPSV14[58], BonfiettiLM14[63], DerrienPZ14[98], CireCH13[80], GuSS13[156], HeinzKB13[165], LetortCB13[229], cpaior-SchuttFS13[329], HeinzSB13[168], HeinzB12[164], LetortBC12[228], RendIPHPR12[318], SerraNM12[335], NovasH12[286], BonfiettiLBM11[61], HeinzS11[167], HerminierDL11[174], LombardiBMB11[242], Vilim11[382], TrojetHL11[367], NovasH10[285], BarlattCG08[31], DoomsH08[102], GarridoOS08[127], GarganiR07[125], HoeveGSL07[373], KrogtLPHJ07[372], Hooker06[180], HebrardTW05[162], cp-Hooker05[179], Hooker05[178], Hooker04[177], KovacsV04[213], LimRX04[233], Vilim04[378], WolinskiKG04[399], PoderBS04[304], DannaP03[85], Bartak02[33], ElkhayariGJ02[107], KamarainenS02[190], MartinPY01[258], ArtiguesR00[17], RodosekW98[320], BeckDF97[37], Simonis95[343], SimonisC95[345], DincbasSH90[101]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	make to order			OujanaAYB22[292], DavenportKRSH07[88]
Concepts	make to stock			
Concepts	make span	PrataAN23[312], AalianPG23[1], Bit-Monnot23[55], EfthymiouY23[106], JuvinHHL23[188], JuvinHL23[189], Mehdizadeh-Somarin23[260], PovedaAA23[309], TasselGS23[355], YuraszeckMC23[405], IsikYA23[186], LacknerMMWW23[224], abs-2305-19888[170], abs-2306-05747[356], ArmstrongGOS22[14], BoudreaultSLQ22[67], GeitzGSSW22[137], AbreuN22[89], HeinzNVH22[169], SubulanC22[347], ArmstrongGOS21[13], AstrandOF21[20], BenderWS21[47], HillTV21[175], KlankeBYE21[203], LacknerMMWW21[223], QinWSLS21[314], ZhangYW21[411], GodetLHS20[143], WessenCS20[394], AstrandJZ20[22], LunardiBLRV20[249], MengZRZL20[262], BehrensLM19[40], ColT19[83], GalleguillosKSB19[124], MalapertN19[254], ParkUJR19[297], Novas19[284], WikarekS19[395], abs-1901-07914[41], abs-1902-09244[160], BaptisteB18[26], FahimiOQ18[113], GedikKEK18[132], LaborieRSV18[222], ZhangW18[412], BofillCSV17[57], MossigeGSMC17[269], Pralet17[310], SzerediS16[351], NovaraNH16[283], BurtLPS15[70], LombardiBM15[241], VilimLS15[385], ZhouGL15[416], WangMD15[392], BartoliniBBLM14[35], BonfiettiLM14[63], DejemeppeD14[93], DerrienPZ14[98], KoschB14[208], NovasH14[287], SchuttFS13[330], cpaio-SchuttFS13[329], OzturkTHO13[293], BonfiettiLBM12[62], NovasH12[286], GrimesH11[150], LombardiBMB11[242], SchuttFSW11[332], CobanH10[82], GrimesH10[149], NovasH10[285], ZeballosQH10[409], GrimesHM09[151], GarridoAO09[126], WatsonB08[393], GarridoOS08[127], KovacsV06[214], KhayatLR06[200], DilkinaDH05[100], FortinZDF05[118], Hooker05[178], ZeballosH05[408], ArtiguesBF04[16], HentenryckM04[172], Hooker04[177], ArtiguesR00[17], BaptisteP00[29], KorbaaYG99[206], PapaB98[296], BaptisteP97[28], BeckDF97[37], Darby-DowmanLMZ97[86]	KameugneFND23[193], PerezGSL23[299], YuraszeckMCCR23[406], abs-2312-13682[300], LiFJZLL22[231], OujanaAYB22[292], ZhangJZL22[410], MullerMKP22[272], abs-2211-14492[348], FanXG21[115], PandeyS21a[294], QinDCS20[315], AstrandJZ18[21], YoungFS17[403], KreterSS17[217], BonfiettiZLM16[64], DejemeppeCS15[92], GayHLS15[128], SialaAH15[340], KameugneFSN14[195], GuSS13[156], BillautHL12[54], SchuttCSW12[328], LombardiM12[245], KovacsB11[210], TrojetHL11[367], LombardiM09[243], ThiruvadyBME09[361], LiessM08[232], AkkerDH07[370], MonetteDD07[265], QuirogaZH05[317], Vilim05[379], VilimBC05[384], KovacsV04[213], VilimBC04[383], Wolf03[397], Timpe02[362]	KimCMLLP23[202], TardivoDFMP23[354], Popovic- CGNC22[307], CampeauG22[72], FetgoD22[116], Ha- nenKP21[159], HubnerGSV21[184], KoehlerBFFHPSSS21[205], Mercier-AubinGQ20[263], NattafM20[278], TangB20[352], SacramentoSP20[322], GeibingerMM19[135], MurinR19[273], Tom19[363], abs-1911-04766[134], ArbaouiY18[12], Kameugne- FGOQ18[192], NishikawaSTT18[280], NishikawaSTT18a[281], OuelletQ18[290], Tesch18[360], NattafAL17[277], Cauwelaert- DMS16[76], FontaineMH16[117], SchuttS16[333], Tesch16[359], ZarandiKS16[407], KreterSS15[216], PraletLJ15[311], LetortCB15[230], NattafAL15[276], SimoninAHL15[342], Ale- sioNBG14[99], DerrienP14[97], GaySS14[131], CireCH13[80], KelarevaTK13[197], LetortCB13[229], OuelletQ13[289], LetortBC12[228], BonfiettiLBM11[61], EdisO11[105], KameugneFSN11[194], LahimerLH11[225], HachemiGR11[158], KelbelH11[198], LombardiM10[244], SchuttW10[334], LopesCSM10[246], MonetteDH09[266], SchuttFSW09[331], abs-0907-0939[302], KeriK07[199], Limtanyakul07[236], BeniniBGM06[50], LiuJ06[240], Hooker06[180], Ar- tiouchineB05[18], CarchraeBF05[74], WuBB05[401], cp- Hooker05[179], ValleMGT03[369], Bartak02[33], Bartak02a[32], ElkhyariGJ02[107], HeipckeCCS00[171], RodosekW98[320], Caseau97[75]
Concepts	manpower	NovaraNH16[283]	LaborieRSV18[222]	WikarekS19[395], BaptisteB18[26], HechingH16[163], SchuttS16[333], cpaio-GayHS15[130], GaySS14[131], Lom- bardiM12[245], Vilim11[382], NovasH10[285], Puget95[313], SimonisC95[345]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	multi agent	BehrensLM19[40], He0GLW18[161], HoeveGSL07[373]	abs-1901-07914[41], LimHTB16[234]	abs-2402-00459[279], MehdiZadeh-Somarin23[260], Squil-laciPR23[346], ZhangYW21[411], WessenCS20[394], WikarekS19[395], ZhangW18[412], LimBTBB15[235], KoschB14[208], BartakS11[34], GomesHS06[148], AbrilSB05[3], Wallace96[388]
Concepts	no preempt			FanXG21[115], MengZRZL20[262], ParkUJR19[297], MonetteDD07[265], ArtiguesR00[17]
Concepts	open shop	PrataAN23[312], Bit-Monnot23[55], AbreuN22[89], FahimiOQ18[113], GrimesHM09[151], MonetteDD07[265]	MengZRZL20[262], SacramentoSP20[322], GrimesH10[149], Vilim05[379]	KimCMLLP23[202], YuraszeckMC23[405], YuraszeckM-CCR23[406], OujanaAYB22[292], Astrand0F21[20], AstrandJJ20[22], ParkUJR19[297], SialaAH15[340], Ale-sioNBG14[99], BonfiettiLM14[63], BillautHL12[54], GrimesH11[150], SchuttFSW11[332], SchuttFSW09[331], ThiruvadyBME09[361], ArtiouchineB05[18], VilimBC05[384], HentenryckM04[172], VilimBC04[383], Vilim03[377], ElkhyariGJ02a[108], VerfaillieL01[375]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	order	PrataAN23[312], abs-2402-00459[279], AalianPG23[1], Bit-Monnot23[55], EfthymiouY23[106], JuvinHHL23[188], JuvinHL23[189], KameugneFND23[193], KimCMLLP23[202], PerezGSL23[299], PovedaAA23[309], SquillaciPR23[346], TasselGS23[355], WangB23[391], IsikYA23[186], LacknerMMWW23[224], YuraszeckMCCR23[406], abs-2306-05747[356], abs-2312-13682[300], BoudreaultSLQ22[67], GeitzGSSW22[137], LiFJZLL22[231], OujanaAYB22[292], PopovicCGNC22[307], AbreuN22[89], CampeauG22[72], FetgoD22[116], MullerMKP22[272], PohlAK22[305], SubulanC22[347], abs-2211-14492[348], AntuoriHHEN21[11], ArmstrongGOS21[13], AstrandOF21[20], HanenKP21[159], KlankeBYE21[203], KovacsTKSG21[215], LacknerMMWW21[223], FanXG21[115], HubnerGSV21[184], KoehlerBFFHPSSS21[205], PandeyS21a[294], QinWSLS21[314], VlkHT21[387], BarzegaranZP20[36], GodetLHS20[143], GroleazNS20[154], Mercier-AubinGQ20[263], NattafM20[278], WangB20[390], WessenCS20[394], AstrandJZ20[22], BenediktMH20[48], LunardiBLRV20[249], MengZRZL20[262], SacramentoSP20[322], BehrensLM19[40], FrimodigS19[121], GeibingerMM19[135], LiuLH19[238], MalapertN19[254], MurinR19[273], ParkUJR19[297], YangSS19[402], EscobetPQPRA19[110], Novas19[284], WikarekS19[395], abs-1901-07914[41], abs-1902-09244[160], abs-1911-04766[134], AstrandJZ18[21], KameugneFGOQ18[192], NishikawaSTT18[280], NishikawaSTT18a[281], OuelletQ18[290], Tesch18[360], FahimiOQ18[113], GedikKEK18[132], LaborieRSV18[222], PourDERB18[308], ZhangW18[412], CappartS17[73], GoldwasserS17[146], KletzanderM17[204], LiuCGM17[239], Madi-WambaLOBM17[252], MossigeGSMC17[269], Pralet17[310], YoungFS17[403], KreterSS17[217], BonfiettiZLM16[64], BoothNB16[65], CauwelaertDMS16[76], Madi-WambaB16[251], SchuttS16[333], Tesch16[359], NovaraNH16[283], ZarandiKS16[407], DejemeppeCS15[92], EvenSH15[111], GayHLS15[128], LimBTBB15[235], LombardiBM15[241], MelgarejoLS15[6], MurphyMB15[274], PraletLJ15[311], SialaAH15[340], VilimLS15[385], ZhouGL15[416], EvenSH15a[112], GoelSHFS15[144], LetortCB15[230], NattafAL15[276], SimoninAHL15[342], WangMD15[392], AlesioNBG14[99], BessiereHMQW14[53], BofilIEGPSV14[58], BonfiettiLM14[63], DerrienP14[97], DerrienPZ14[98], GaySS14[131], HoundjiSWD14[183], KoschB14[208], GrimesIOS14[152], KameugneFSN14[195], NovasH14[287], KelarevaTK13[197], LetortCB13[229], OuelletQ13[289],	TardivoDFMP23[354], YuraszeckMC23[405], GurPAE23[157], MontemanniD23a[267], abs-2305-19888[170], ArmstrongGOS22[14], OuelletQ22[291], WinterMMW22[396], HeinzNVH22[169], BenderWS21[47], GeibingerMM21[136], HillTV21[175], TangB20[352], QinDCS20[315], WallaceY20[389], BogaerdtW19[371], ColT19[83], FrohnerTR19[122], DemirovicS18[95], BaptisteB18[26], ShinBBHO18[338], BofilCSV17[57], GelainPRVW17[138], NattafAL17[277], FontaineMH16[117], GilesH16[140], LimHTB16[234], BofilGSV15[59], BurtLPS15[70], GayHS15[129], KreterSS15[216], PesantRR15[301], DejemeppeD14[93], CireCH13[80], BonfiettiLBM12[62], LahimerLH11[225], LombardiBMB11[242], ZibranR11[418], Davenport10[87], AronssonBK09[15], SchuttFSW09[331], Vilim09[380], cpaior-Vilim09[381], abs-0907-0939[302], LauLN08[226], BeldiceanuP07[45], HoeveGSL07[373], KeriK07[199], BeniniBGM06[50], LiuJ06[240], KhayatLR06[200], ArtiouchineB05[18], FortinZDF05[118], Hooker05[178], HentenryckM04[172], Hooker04[177], WolinskiKG04[399], KuchcinskiW03[218], ElkhyariGJ02a[108], KamarainenS02[190], Muscettola02[275], ArtiguesR00[17], FrostD98[123], BelhadjiI98[46], Caseau97[75], Puget95[313], Touraivane95[366]	Mehdizadeh-Somarin23[260], AkramNHRSA23[7], Monte- manniD23[268], ZhangJZL22[410], AbohashimaEG21[2], ZhangYW21[411], GalleguillosKSB19[124], abs-1902-01193[8], ArbaouiY18[12], BenediktSMVH18[49], He0GLW18[161], Hooker17[181], HechingH16[163], SzerediS16[351], cpaior- GayHS15[130], DoulabiRP14[103], GuSS13[156], HeinzKB13[165], SchuttFS13[330], HeinzB12[164], BonfiettiLBM11[61], ChapadosJR11[78], BertholdHLS10[52], CobanH10[82], MakMS10[253], SunLYL10[349], Acuna-AgostMFG09[4], ThiruvadyBME09[361], DoomsH08[102], LiessM08[232], AkkerDH07[370], Limtanyakul07[236], GomesHS06[148], AbrilSB05[3], CarchraeBF05[74], ChuX05[79], Geske05[139], HebrardTW05[162], DannaP03[85], Kumar03[219], Vilim03[377], HookerY02[182], AngelsmarkJ00[10], RodosekW98[320], BeckDF97[37], Simonis95[343]



Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	precedence	<p>abs-2402-00459[279], JuvinHHL23[188], PovedaAA23[309], IsikYA23[186], YuraszeckMCCR23[406], BoudreaultSLQ22[67], CampeauG22[72], FetgoD22[116], PohlAK22[305], ArmstrongGOS21[13], Astrand0F21[20], GeibingerMM21[136], HanenKP21[159], HillTV21[175], FanXG21[115], HubnerGSV21[184], KoehlerBFFHPSSS21[205], ZhangYW21[411], GroleazNS20[154], Mercier-AubinGQ20[263], AstrandJZ20[22], LunardiBLRV20[249], MengZRZL20[262], SacramentoSP20[322], WikarekS19[395], abs-1902-09244[160], Laborie18a[221], NishikawaSTT18[280], NishikawaSTT18a[281], Tesch18[360], FahimiOQ18[113], LaborieRSV18[222], ZhangW18[412], BofilCSV17[57], Pralet17[310], YoungFS17[403], BonfiettiZLM16[64], SchuttS16[333], SzerediS16[351], NovaraNH16[283], DejemeppeCS15[92], MelgarejoLS15[6], PraletLJ15[311], LetortCB15[230], SimoninAHL15[342], DerrienPZ14[98], OuelletQ13[289], SchuttFS13[330], HeinzSB13[168], OzturkTHO13[293], BonfiettiLBM12[62], SchuttCSW12[328], LombardiM12[245], BonfiettiLBM11[61], ClercqPBJ11[81], GrimesH11[150], LombardiBMB11[242], KelbelH11[198], SchuttFSW11[332], TrojetHL11[367], LombardiM10[244], LombardiM09[243], MonetteDH09[266], SchuttFSW09[331], GarridoAO09[126], LiessM08[232], AkkerDH07[370], HoeveGSL07[373], BeniniBGM06[50], KovacsV06[214], KhayatLR06[200], Vilim05[379], Hooker05[178], VilimBC05[384], ArtiguesBF04[16], HentenryckM04[172], KovacsV04[213], Vilim04[378], ValleMGTO3[369], Bartak02a[32], ElkhyariGJ02a[108], Muscettola02[275], VanczaM01[374], ArtiguesR00[17], BaptisteP00[29], HeipckeCCS00[171], SchildW00[327], BaptisteP97[28], DincbasSH90[101]</p>	<p>Bit-Monnot23[55], KameugneFND23[193], TardivoDFMP23[354], OujanaAYB22[292], SubulanC22[347], AntuoriHHEN21[11], VlkHT21[387], WessenCS20[394], QinDCS20[315], BogaerdTW19[371], ColT19[83], GeibingerMM19[135], MurinR19[273], Novas19[284], abs-1911-04766[134], KameugneFGOQ18[192], Madi-WambaLOBM17[252], MossigeGSMC17[269], Madi-WambaB16[251], BurtLPS15[70], GayHLS15[128], LombardiBM15[241], VilimLS15[385], WangMD15[392], BonfiettiLM14[63], KameugneFSN14[195], cpaior-SchuttFS13[329], BillautHL12[54], SimoninAHL12[341], LimtanyakulS12[237], NovasH12[286], KameugneFSN11[194], HachemiGR11[158], GrimesH10[149], MakMS10[253], LopesCSM10[246], NovasH10[285], ZeballosQH10[409], GrimesHM09[151], MouraSCL08[271], DavenportKRSH07[88], KeriK07[199], Hooker06[180], DilkinaDH05[100], FortinZDF05[118], ZeballosH05[408], Hooker04[177], VilimBC04[383], WolinskiKG04[399], PoderBS04[304], BelhadjiI98[46], BeckDF97[37], Zhou97[415], Zhou96[414]</p>	<p>PrataAN23[312], JuvinHL23[189], KimCMLLP23[202], Mehdizadeh-Somarin23[260], TasselGS23[355], YuraszeckMC23[405], abs-2305-19888[170], abs-2306-05747[356], GeitzGSSW22[137], WinterMMW22[396], ZhangJZL22[410], HeinzNVH22[169], MullerMKP22[272], abs-2211-14492[348], KovacsTKSG21[215], PandeyS21a[294], TangB20[352], DemirovicS18[95], He0GLW18[161], OuelletQ18[290], BaptisteB18[26], CappartS17[73], KreterSS17[217], BoothNB16[65], CauwelaertDMS16[76], FontaineMH16[117], Tesch16[359], GayHS15[129], SialaAH15[340], GoelSHFS15[144], DejemeppeD14[93], GaySS14[131], HoundjiSWD14[183], NovasH14[287], CireCH13[80], GuSS13[156], KelarevaTK13[197], LetortCB13[229], HeinzB12[164], LetortBC12[228], SerraNM12[335], HermenierDL11[174], LahimerLH11[225], Vilim11[382], KovacsB11[210], BertholdHLMS10[52], Laborie09[220], Vilim09[380], KrogtLPHJ07[372], Limtanyakul07[236], MonetteDD07[265], QuSN06[316], ArtichineB05[18], FrankK05[119], KovacsEKV05[211], QuirogaZH05[317], cp-Hooker05[179], Sadykov04[323], OddiPCC03[288], KuchcinskiW03[218], Bartak02[33], ElkhyariGJ02[107], KamarainenS02[190], Vilim02[376], SakkoutW00[325], Colombani96[84], Goltz95[147], Simonis95[343]</p>

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	preempt	JuvinHHL23[188], PovedaAA23[309], SubulanC22[347], HanenKP21[159], BaptisteB18[26], FahimiOQ18[113], ZarandiKS16[407], EvenSH15[111], EvenSH15a[112], AlesioNBG14[99], LombardiM12[245], BeldiceanuCDP11[43], KovacsB11[210], MonetteDD07[265], Wolf03[397], BaptisteP00[29], PapaB98[296], BaptisteP97[28]	PrataAN23[312], abs-2305-19888[170], OuelletQ22[291], FetgoD22[116], HeinzNVH22[169], Mercier-AubinGQ20[263], LunardiBLRV20[249], SacramentoSP20[322], YoungFS17[403], NattafAL15[276], SimoninAHL15[342], OzturkTHO13[293], SimoninAHL12[341], SchuttFSW11[332], Laborie09[220], SchuttFSW09[331], KovacsB08[209], ArtiouchineB05[18]	AalianPG23[1], KameugneFND23[193], Mehdizadeh-Somarin23[260], TardivoDFMP23[354], TasselGS23[355], YuraszeckMC23[405], AkramNHRS23[7], IsikYA23[186], YuraszeckMCCR23[406], abs-2306-05747[356], Boudreaault-SLQ22[67], GeitzGSSW22[137], OujanaAYB22[292], AbreuN22[89], MullerMKP22[272], ArmstrongGOS21[13], BenderWS21[47], HillTV21[175], KovacsTKSG21[215], FanXG21[115], HubnerGSV21[184], QinWSL21[314], ZhangYW21[411], GroleazNS20[154], BenediktMH20[48], MengZRL20[262], ParkUJR19[297], YangSS19[402], WikarekS19[395], BenediktSMVH18[49], Tesch18[360], GedikKEK18[132], ShinBBHO18[338], ZhangW18[412], BofillCSV17[57], MossigeGSMC17[269], KreterSS17[217], CauwelaertDMS16[76], SchuttS16[333], SzerediS16[351], DejemepeCS15[92], GayHS15[129], KreterSS15[216], cpaior-GayHS15[130], Kameugne15[191], GrimesIOS14[152], KameugneFSN14[195], OuelletQ13[289], cpaior-SchuttFS13[329], HeinzSB13[168], SchuttCSW12[328], SerraNM12[335], EdisO11[105], HeinzS11[167], KameugneFSN11[194], LahimerLH11[225], Vilim11[382], KelbelH11[198], TopalogluO11[364], BertholdHLMS10[52], CobanH10[82], SchuttW10[334], ZeballosQH10[409], LombardiM09[243], MonetteDH09[266], Vilim09[380], cpaior-Vilim09[381], abs-0907-0939[302], MouraSCL08[271], LiessM08[232], AkkerDH07[370], BeldiceanuP07[45], DavenportKRSH07[88], KhayatLR06[200], Vilim05[379], WolfS05[398], ArtiguesBF04[16], LimRX04[233], Sadykov04[323], PoderBS04[304], Odd-iPCC03[288], ElkhyariGJ02[107], KamarainenS02[190], ArtiguesR00[17], HeipckeCCS00[171], SakkoutW00[325], BelhadjiI98[46], Caseau97[75], Zhou97[415], Colombani96[84], GeitzGSSW22[137], KlankeBYE21[203], Simonis07[344], Timpe02[362], Simonis95[343]
Concepts	producer consumer	SchuttS16[333], PoderBS04[304], Kumar03[219], SimonisC95[345]	HermenierDL11[174], BeldiceanuC02[42]	
Concepts	re scheduling	BarzegaranZP20[36], ZhangW18[412], CappartS17[73], Madi-WambaLOBM17[252], GrimesIOS14[152], IfrimOS12[185], RendIPHR12[318], LombardiM12[245], NovasH10[285], MartinPY01[258], ArtiguesR00[17]	Mehdizadeh-Somarin23[260], KovacsTKSG21[215], AstrandJZ20[22], LimHTB16[234], LimBTBB15[235], CobanH10[82], Acuna-AgostMFG09[4]	PrataAN23[312], EfthymiouY23[106], PerezGSL23[299], TasselGS23[355], GurPAE23[157], abs-2305-19888[170], abs-2306-05747[356], abs-2312-13682[300], ArmstrongGOS22[14], HeinzNVH22[169], PohlAK22[305], KlankeBYE21[203], PandeyS21a[294], ZhangYW21[411], BenediktMH20[48], Lunardi-BLRV20[249], GalleguillosKSB19[124], GeibingerMM19[135], Tom19[363], abs-1911-04766[134], He0GLW18[161], NishikawaSTT18a[281], LaborieRSV18[222], BoothNB16[65], HechingH16[163], NovaraNH16[283], MurphyMB15[274], ZhouGL15[416], WangMD15[392], DerrienPZ14[98], KelarevaTK13[197], TopalogluO11[364], LopesCSM10[246], GarridoAO09[126], MouraSCL08a[270], HoeveGSL07[373], Simonis07[344], ArtiouchineB05[18], Geske05[139], Bartak02a[32], ElkhyariGJ02[107], ElkhyariGJ02a[108], BaptisteP00[29], SakkoutW00[325], GruianK98[155], PapaB98[296], BaptisteP97[28], BeckDF97[37]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	release date	WinterMMW22[396], HanenKP21[159], EscobetPQPRA19[110], Tesch18[360], KameugneFSN14[195], SerraNM12[335], LimtanyakulS12[237], KameugneFSN11[194], KovacsB11[210], abs-0907-0939[302], AkkerDH07[370], ArtiouchineB05[18], Hooker05[178], Hooker04[177], Zhou97[415], Colombani96[84], Zhou96[414]	PrataAN23[312], LacknerMMWW23[224], LacknerMMWW21[223], GroleazNS20[154], GeibingerMM19[135], abs-1911-04766[134], HeinzSB13[168], KelbelH11[198], Laborie09[220], Limtanyakul07[236], Simonis07[344], Hooker06[180], WuBB05[401], cp-Hooker05[179], Sadykov04[323]	PovedaAA23[309], YuraszeckMC23[405], IsikYA23[186], PohlAK22[305], AntuoriHHEN21[11], GeibingerMM21[136], HillTV21[175], KovacsTKSG21[215], ZhangYW21[411], GodetLHS20[143], Novas19[284], abs-1902-09244[160], Laborie18a[221], LaborieRSV18[222], NattafAL17[277], DejemeppeCS15[92], NattafAL15[276], KoschB14[208], HeinzKB13[165], BillautHL12[54], HeinzB12[164], ClercqPB11[81], GrimesH11[150], KovacsK11[212], Davenport10[87], SchuttW10[334], MonetteDH09[266], KovacsB08[209], BeldiceanuP07[45], ChuX05[79], QuirogaZH05[317], ArtiguesBF04[16], PoderBS04[304], ArtiguesR00[17], BaptisteP00[29], HeipckeCCS00[171], BelhadjiI98[46], BaptisteP97[28], BeckDF97[37]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	resource	PrataAN23[312], abs-2402-00459[279], AalianPG23[1], JuvinHHL23[188], KameugneFND23[193], PovedaAA23[309], TardivoDFMP23[354], WangB23[391], GurPAE23[157], YuraszeckMCCR23[406], abs-2305-19888[170], BoudreaultSLQ22[67], GeitzGSSW22[137], OuelletQ22[291], OujanaAYB22[292], AbreuN22[89], CampeauG22[72], FetgoD22[116], HeinzNVH22[169], SubulanC22[347], BenderWS21[47], GeibingerMM21[136], HanenKP21[159], HillTV21[175], KovacsTKSG21[215], HubnerGSV21[184], PandeyS21a[294], VlKHT21[387], ZhangYW21[411], GodetLHS20[143], GroleazNS20[154], Mercier-AubinGQ20[263], WangB20[390], AstrandJZ20[22], MengZRZL20[262], QinDCS20[315], SacramentoSP20[322], BehrensLM19[40], GalleguillosKSB19[124], GeibingerMM19[135], LiuLH19[238], MalapertN19[254], MurinR19[273], Tom19[363], YangSS19[402], EscobetPQPRA19[110], Novas19[284], WikarekS19[395], abs-1901-07914[41], abs-1902-09244[160], abs-1911-04766[134], ArbaouiY18[12], DemirovicS18[95], KameugneFGOQ18[192], Laborie18a[221], NishikawaSTT18[280], NishikawaSTT18a[281], OuelletQ18[290], Tesch18[360], BaptisteB18[26], FahimiOQ18[113], LaborieRSV18[222], ShinBBHO18[338], BofillCSV17[57], CappartS17[73], Madi-WambaLOBM17[252], MossigeGSMC17[269], Pralet17[310], YoungFS17[403], KreterSS17[217], NattafAL17[277], BonfiettiZLM16[64], CauwelaertDMS16[76], FontaineMH16[117], GilesH16[140], Madi-WambaB16[251], SchuttS16[333], SzerediS16[351], Tesch16[359], NovaraNH16[283], BurtLPS15[70], DejemeppeCS15[92], EvenSH15[111], GayHS15[129], KreterSS15[216], LombardiBM15[241], PraletLJ15[311], SialaAH15[340], VilimLS15[385], cpaior-GayHS15[130], EvenSH15a[112], GoelSHFS15[144], Kameugne15[191], LetortCB15[230], NattafAL15[276], SimoninAHL15[342], WangMD15[392], AlesioNBG14[99], BartoliniBBLM14[35], BessiereHMQW14[53], BonfiettiLM14[63], DejemeppeD14[93], GaySS14[131], KoschB14[208], GrimesIOS14[152], KameugneFSN14[195], NovasH14[287], GuSS13[156], HeinzKB13[165], KelarevaTK13[197], LetortCB13[229], OuelletQ13[289], SchuttFS13[330], cpaior-SchuttFS13[329], HeinzSB13[168], OzturkTHO13[293], BonfiettiLBM12[62], HeinzB12[164], LetortBC12[228], SchuttCSW12[328], SerraNM12[335], SimoninAHL12[341], LimtanyakulS12[237], LombardiM12[245], NovasH12[286], BonfiettiLBM11[61], ClercqPBJ11[81], EdisO11[105], GrimesH11[150], HeinzS11[167], HermenierDL11[174], KameugneFSN11[194],	Bit-Monnot23[55], PerezGSL23[299], TasselGS23[355], Caballero23[71], IsikYA23[186], abs-2306-05747[356], abs-2312-13682[300], WinterMMW22[396], MullerMKP22[272], PohlAK22[305], abs-2211-14492[348], Astrand0F21[20], KlankeBYE21[203], TangB20[352], LunardiBLRV20[249], WallaceY20[389], FrimodigS19[121], ParkUJR19[297], abs-1902-01193[8], BenediktSMVH18[49], GedikKEK18[132], GelainPRVW17[138], GoldwasserS17[146], BoothNB16[65], ZhouGL15[416], DerrienP14[97], DerrienPZ14[98], DoulabiRP14[103], KovacsK11[212], Davenport10[87], MakMS10[253], MonetteDH09[266], MouraSCL08a[270], WatsonB08[393], Limtanyakul07[236], ArtiouchineB05[18], KovacsEKV05[211], WuBB05[401], cp-Hooker05[179], Wolf03[397], Vilim02[376], Darby-DowmanLMZ97[86], Goltz95[147], ErtlK91[109], DincbasSH90[101]	SquillaciPR23[346], AkramNHRSA23[7], MontemanniD23[268], ArmstrongGOS22[14], PopovicCGNC22[307], ZhangJZL22[410], AntuoriHHEN21[11], ArmstrongGOS21[13], AbohashimaEG21[2], FanXG21[115], KoehlerBFFHPSSS21[205], BarzegaranZP20[36], NattafM20[278], ColT19[83], AstrandJZ18[21], ZhangW18[412], Hooker17[181], KletzanderM17[204], ZarandiKS16[407], GayHLS15[128], MelgarejoLS15[6], MurphyMB15[274], Siala15[339], HoundjiSWD14[183], CireCH13[80], Bil- lautHL12[54], IfrimOS12[185], ZibranR11a[419], Thiru- vadyBME09[361], BarlattCG08[31], GarganiR07[125], Monet- teDD07[265], RossiTHP07[321], LiuJ06[240], FortinZDF05[118], FrankK05[119], ArtiguesBF04[16], Tsang03[368], Timpe02[362], MartinPY01[258], AngelsmarkJ00[10], RodosekW98[320], Colombani96[84]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	scheduling	PrataAN23[312], abs-2402-00459[279], AalianPG23[1], Bit-Monnot23[55], EfthymiouY23[106], JuvinHHL23[188], JuvinHL23[189], KameugneFND23[193], KimCMLLP23[202], Mehdizadeh-Somarin23[260], PerezGSL23[299], PovedaAA23[309], SquillaciPR23[346], TardivoDFMP23[354], TasselGS23[355], WangB23[391], YuraszeckMC23[405], AkramNHRSA23[7], Caballero23[71], GurPAE23[157], IsikYA23[186], LacknerMMWW23[224], MontemanniD23[268], MontemanniD23a[267], YuraszeckMCCR23[406], abs-2305-19888[170], abs-2306-05747[356], abs-2312-13682[300], ArmstrongGOS22[14], BoudreaultSLQ22[67], GeitzGSSW22[137], LiFJZLL22[231], OuelletQ22[291], OujanaAYB22[292], PopovicCGNC22[307], WinterMMW22[396], ZhangJZL22[410], AbreuN22[89], CampeauG22[72], FetgoD22[116], HeinzNVH22[169], MullerMKP22[272], PohlAK22[305], SubulanC22[347], abs-2211-14492[348], AntuoriHHEN21[11], ArmstrongGOS21[13], Astrand0F21[20], BenderWS21[47], GeibingerKKMMW21[133], GeibingerMM21[136], HanenKP21[159], HillTV21[175], KlankeBYE21[203], KovacsTKSG21[215], LacknerMMWW21[223], AbohashimaEG21[2], FanXG21[115], HubnerGSV21[184], KoehlerBFFHPSSS21[205], PandeyS21a[294], QinWSLS21[314], VlKHT21[387], ZhangYW21[411], BarzegaranZP20[36], GodetLHS20[143], GroleazNS20[154], Mercier-AubinGQ20[263], NattafM20[278], TangB20[352], WangB20[390], WessenCS20[394], AstrandJZ20[22], BenediktMH20[48], LunardiBLRV20[249], MengZRZL20[262], QinDCS20[315], SacramentoSP20[322], WallaceY20[389], BehrensLM19[40], BogaerdtW19[371], ColT19[83], FrimodigS19[121], FrohnerTR19[122], GalleguillosKSB19[124], GeibingerMM19[135], LiuLH19[238], MalapertN19[254], MurinR19[273], ParkUJR19[297], Tom19[363], YangSS19[402], EscobetPQPRA19[110], Novas19[284], WikarekS19[395], abs-1901-07914[41], abs-1902-01193[8], abs-1902-09244[160], abs-1911-04766[134], ArbaouiY18[12], AstrandJZ18[21], BenediktSMVH18[49], DemirovicS18[95], He0GLW18[161], KameugneFGOQ18[192], Laborie18a[221], NishikawaSTT18[280], NishikawaSTT18a[281], OuelletQ18[290], Tesch18[360], BaptisteB18[26], FahimiOQ18[113], GedikKEK18[132], LaborieRSV18[222], PourDERB18[308], ShinBBHO18[338], ZhangW18[412], BofillCSV17[57], CappartS17[73], GelainPRVW17[138], GoldwaserS17[146], KletzanderM17[204], LiuCGM17[239], Madi-WambaLOBM17[252], MossigeGSMC17[269], Pralet17[310], YoungFS17[403], KreterSS17[217], NattafAI17[277], BonfiettiZLM16[64]	GayHS15[129], Kameugne15[191], BessiereHMQW14[53], HoundjiSWD14[183], LetortCB13[229], LetortBC12[228], ChapadosJR11[78], ClercqPB11[81], Acuna-AgostMFG09[4], Baptiste09[25], abs-0907-0939[302], GomesHS06[148], DilkinaDH05[100], HebrardTW05[162], WuBB05[401], ValleMGTO3[369], Vilim03[377], HookerY02[182], Vilim02[376], CestaOS98[77], FrostD98[123], Touraivane95[366]	Hooker17[181], RossiTHP07[321], AbrilSB05[3], VanczaM01[374]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	sequence setup	dependent GedikKEK18[132]	IsikYA23[186], GeitzGSSW22[137], MengZRZL20[262], LombardiM12[245], Simonis07[344], ArtiguesBF04[16]	PrataAN23[312], abs-2305-19888[170], OujanaAYB22[292], HeinzNVH22[169], PohlAK22[305], ArmstrongGOS21[13], Mercier-AubinGQ20[263], MalapertN19[254], Novas19[284], ArbaouiY18[12], FahimiOQ18[113], LaborieRSV18[222], Pralet17[310], CauwelaertDMS16[76], NovaraNH16[283], DejemeppeCS15[92], KovacsK11[212], GrimesH10[149], Laborie09[220], AkkerDH07[370], DavenportKRSH07[88], VilimBC05[384], Vilim04[378], Vilim02[376]
Concepts	setup time	PrataAN23[312], IsikYA23[186], LacknerMMWW23[224], abs-2305-19888[170], GeitzGSSW22[137], OujanaAYB22[292], WinterMMW22[396], AbreuN22[89], HeinzNVH22[169], PohlAK22[305], LacknerMMWW21[223], GroleazNS20[154], Mercier-AubinGQ20[263], NattafM20[278], LunardiBLRV20[249], MengZRZL20[262], QinDCS20[315], BogaerdtW19[371], MalapertN19[254], MurinR19[273], Novas19[284], ArbaouiY18[12], GedikKEK18[132], ZhangW18[412], Pralet17[310], CauwelaertDMS16[76], DejemeppeCS15[92], LombardiM12[245], GrimesH10[149], DavenportKRSH07[88], Simonis07[344], ArtiguesBF04[16]	KimCMLLP23[202], LiFJZLL22[231], ArmstrongGOS21[13], FanXG21[115], AstrandJZ20[22], LaborieRSV18[222], NovaraNH16[283], GaySS14[131], KelarevaTK13[197], OzturkTHO13[293], ThiruvadyBME09[361], BeniniBGM06[50], Vilim02[376], Timpe02[362]	EfthymiouY23[106], JuvinHHL23[188], JuvinHL23[189], Mehdizadeh-Somarin23[260], YuraszeckMCCR23[406], ZhangJZL22[410], MullerMKP22[272], abs-2211-14492[348], BenderWS21[47], AbobashimaEG21[2], ZhangYW21[411], GodetLHS20[143], BehrensLM19[40], WikarekS19[395], abs-1902-09244[160], FahimiOQ18[113], GilesH16[140], MelgarejoLS15[6], SialaAH15[340], ZhouGL15[416], GoelSHFS15[144], BessiereHMqw14[53], DejemeppeD14[93], BillautHL12[54], NovasH10[285], Laborie09[220], BarlattCG08[31], KovacsV06[214], KhayatLR06[200], KovacsEKV05[211], VilimBC05[384], Vilim04[378], ArtiguesR00[17], PapaB98[296], ErtlK91[109]
Concepts	stock level	LopesCSM10[246], SimonisC95[345]	RossiTHP07[321], Timpe02[362]	KhemmoudjPB06[201]
Concepts	tardiness	PrataAN23[312], KimCMLLP23[202], IsikYA23[186], LacknerMMWW23[224], OujanaAYB22[292], WinterMMW22[396], AbreuN22[89], PohlAK22[305], abs-2211-14492[348], AntuoriHHEN21[11], LacknerMMWW21[223], FanXG21[115], Mercier-AubinGQ20[263], TangB20[352], MengZRZL20[262], BogaerdtW19[371], ParkUJR19[297], abs-1902-09244[160], LaborieRSV18[222], NovaraNH16[283], ZarandiKS16[407], BartoliniBBLM14[35], LombardiM12[245], GrimesH11[150], KelbelH11[198], KovacsB11[210], CobanH10[82], Davenport10[87], Laborie09[220], MonetteDH09[266], KeriK07[199], Hooker06[180], cp-Hooker05[179], ZeballosH05[408], HentenryckM04[172], DannaP03[85]	abs-2402-00459[279], SubulanC22[347], KovacsTKSG21[215], GroleazNS20[154], GedikKEK18[132], Hooker17[181], NovasH10[285], QuirogaZH05[317], Hooker05[178]	JuvinHL23[189], Mehdizadeh-Somarin23[260], TasselGS23[355], abs-2306-05747[356], LiFJZLL22[231], ZhangJZL22[410], GeibingerMM21[136], HanenKP21[159], HubnerGSV21[184], KoehlerBFFHPSSS21[205], QinWSLS21[314], VlkHT21[387], LunardiBLRV20[249], QinDCS20[315], Tom19[363], Novas19[284], ZhangW18[412], BurtLPS15[70], DejemeppeCS15[92], LimBTBB15[235], MelgarejoLS15[6], PraletLJ15[311], SialaAH15[340], ZhouGL15[416], CireCH13[80], HeinzKB13[165], KelarevaTK13[197], BillautHL12[54], HeinzB12[164], LimtanyakulS12[237], EdisO11[105], KovacsK11[212], ZeballosQH10[409], ThiruvadyBME09[361], KovacsB08[209], BeniniBGM06[50], KovacsV06[214], Hooker04[177], Bartak02a[32]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	task	PrataAN23[312], abs-2402-00459[279], JuvinHHL23[188], JuvinHL23[189], KameugneFND23[193], PovedaAA23[309], WangB23[391], AkramNHRSa23[7], YuraszekMCCR23[406], abs-2305-19888[170], BoudreaultSLQ22[67], GeitzGSSW22[137], LiFJZLL22[231], OuelletQ22[291], CampeauG22[72], FetgoD22[116], HeinzNVH22[169], SubulanC22[347], abs-2211-14492[348], ArmstrongGOS21[13], Astrand0F21[20], HanenKP21[159], HillTV21[175], KlankeBYE21[203], KovacsTKSG21[215], KoehlerBFFHPSSS21[205], PandeyS21a[294], GodetLHS20[143], Mercier-AubinGQ20[263], WangB20[390], WessenCS20[394], QinDCS20[315], BehrensLM19[40], GeibingerMM19[135], Tom19[363], YangSS19[402], EscobetPQPRA19[110], Novas19[284], abs-1901-07914[41], abs-1911-04766[134], AstrandJZ18[21], KameugneFGOQ18[192], NishikawaSTT18[280], NishikawaSTT18a[281], OuelletQ18[290], BaptisteB18[26], FahimiOQ18[113], LaborieRSV18[222], PourDERB18[308], ShinBBHO18[338], Madi-WambaLOBM17[252], MossigeGSMC17[269], KreterSS17[217], NattafAL17[277], BoothNB16[65], FontaineMH16[117], GilesH16[140], Madi-WambaB16[251], NovaraNH16[283], BurtLPS15[70], EvenSH15[111], GayHS15[129], KreterSS15[216], MurphyMB15[274], PraletLJ15[311], SialaAH15[340], VilimLS15[385], ZhouGL15[416], cpaior-GayHS15[130], EvenSH15a[112], GoelSHFS15[144], LetortCB15[230], NattafAL15[276], SimoninAHL15[342], AlesioNBG14[99], BessiereHMQW14[53], GrimesIOS14[152], KameugneFSN14[195], NovasH14[287], KelarevaTK13[197], LetortCB13[229], OuelletQ13[289], SchuttFS13[330], cpaior-SchuttFS13[329], OzturkTHO13[293], IfrimOS12[185], LetortBC12[228], SimoninAHL12[341], LombardiM12[245], NovasH12[286], BonfiettiLBM11[61], GrimesH11[150], HermenierDL11[174], KameugneFSN11[194], LahimerLH11[225], LombardiBMB11[242], Vilim11[382], BeldiceanuCDP11[43], HachemiGR11[158], KelbelH11[198], KovacsK11[212], SchuttFSW11[332], TrojetHL11[367], GrimesH10[149], LombardiM10[244], SchuttW10[334], SunLYL10[349], NovasH10[285], ZeballosQH10[409], AronssonBK09[15], GrimesHM09[151], Laborie09[220], LombardiM09[243], MonetteDH09[266], SchuttFSW09[331], cpaior-Vilim09[381], GarridoAO09[126], abs-0907-0939[302], BarlattCG08[31], BeldiceanuCP08[44], GarridoOS08[127], LiessM08[232], BeldiceanuP07[45], HoeveGSL07[373], MonetteDD07[265], Simonis07[344], BeniniBGM06[50], GomesHS06[148]	Bit-Monnot23[55], SquillaciPR23[346], IsikYA23[186], LacknerMMWW23[224], MontemanniD23[268], MontemanniD23a[267], OujanaAYB22[292], PopovicCGNC22[307], WinterMMW22[396], AbreuN22[89], MullerMKP22[272], BenderWS21[47], GeibingerMM21[136], HubnerGSV21[184], BarzegaranZP20[36], WallaceY20[389], WikarekS19[395], DemirovicS18[95], LiuCGM17[239], YoungFS17[403], HechingH16[163], GayHLS15[128], LombardiBM15[241], Kameugne15[191], BartoliniBBLM14[35], BofilLEGPSV14[58], BonfiettiLM14[63], Vilim05[379], MartinPY01[258], AngelsmarkJ00[10], PapaB98[296]	EfthymiouY23[106], MehdiZadeh-Somarin23[260], PerezGSL23[299], TardivoDFMP23[354], TasselGS23[355], abs-2306-05747[356], abs-2312-13682[300], Armstrong- GOS22[14], ZhangJZL22[410], AntuoriHHEN21[11], Lack- nerMMWW21[223], FanXG21[115], ZhangYW21[411], As- trandJZ20[22], BenediktMH20[48], MengZRZL20[262], Sacra- mentoSP20[322], FrimodigS19[121], MalapertN19[254], Mur- inR19[273], ParkUJR19[297], abs-1902-01193[8], abs-1902- 09244[160], Laborie18a[221], Tesch18[360], GedikKEK18[132], CappartS17[73], CauwelaertDMS16[76], SzerediS16[351], ZarandiKS16[407], DejemeppeCS15[92], MelgarejoLS15[6], WangMD15[392], DoulabiRP14[103], CireCH13[80], HeinzSSW12[166], ChapadosJR11[78], EdisO11[105], Bar- takS11[34], SchausHMCMD11[326], TopalogluO11[364], MakMS10[253], LopesCSM10[246], DoomsH08[102], Lim- tanyakul07[236], LiuJ06[240], CarchraeBF05[74], VilimBC05[384], HentenryckM04[172], Sadykov04[323], Vilim04[378], Odd- iPCC03[288], VerfaillieL01[375], Mason01[259], BaptisteP00[29], SakkoutW00[325], KorbayYG99[206], GruianK98[155], Bap- tisteP97[28], BeckDF97[37], Puget95[313], Simonis95[343], Touraivane95[366], ErtlK91[109]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	temporal constraint reasoning			KeriK07[199], FortinZDF05[118]
Concepts	transportation	ArmstrongGOS22[14], GeitzGSSW22[137], PohlAK22[305], ArmstrongGOS21[13], QinDCS20[315], SacramentoSP20[322], MurinR19[273], PourDERB18[308], GoelSHFS15[144], NovasH14[287], KelarevaTK13[197], NovasH12[286], HachemiGR11[158], LopesCSM10[246], ZeballosH05[408]	KimCMLLP23[202], PopovicCGNC22[307], AbreuN22[89], SubulanC22[347], AbohashimaEG21[2], MengZRZL20[262], LaborieRSV18[222], EvenSH15[111], MelgarejoLS15[6], RendlPHPR12[318], MakMS10[253], MouraSCL08[271], MouraSCL08a[270], LimRX04[233], Mason01[259], ArtiguesR00[17], Wallace96[388]	AalianPG23[1], PerezGSL23[299], WangB23[391], IsikYA23[186], MontemanniD23a[267], abs-2312-13682[300], Boudreaault-SLQ22[67], LiFJZLL22[231], ZhangJZL22[410], abs-2211-14492[348], AntuoriHHEN21[11], HubnerGSV21[184], WallaceY20[389], Tom19[363], Novas19[284], abs-1902-09244[160], He0GLW18[161], GedikKEK18[132], ShinBBHO18[338], ZhangW18[412], GoldwaserS17[146], KletzanderM17[204], LiuCGM17[239], GilesH16[140], ZarandiKS16[407], PesantRR15[301], ZhouGL15[416], EvenSH15a[112], SimoninAHL15[342], HoundjiSWD14[183], LombardiM12[245], KovacsK11[212], TopalogluO11[364], ZeballosQH10[409], Acuna-AgostMFG09[4], AronssonBK09[15], BarlattCG08[31], LauLN08[226], Simonis07[344], ValleMGTO3[369], KamarainenS02[190], MartinPY01[258], SakkoutW00[325], KorbaaYG99[206], RodosekW98[320], Puget95[313], Simonis95[343], SimonisC95[345]
Classification	2BPHFSP	TangB20[352]		
Classification	BPCTOP	KelarevaTK13[197]		
Classification	Bulk Port Cargo Throughput Optimisation Problem			KelarevaTK13[197]
Classification	CECSP	NattafAL17[277], NattafAL15[276]		
Classification	CHSP	EfthymiouY23[106], WallaceY20[389]		
Classification	CTW	KoehlerBFFHPSSS21[205]		
Classification	CuSP	KameugneFND23[193], FetgoD22[116], KameugneFGOQ18[192], Tesch18[360], Tesch16[359], NattafAL15[276], DerrienPZ14[98], KameugneFSN14[195], KameugneFSN11[194], SchuttW10[334]	OuelletQ13[289]	TardivoDFMP23[354], HanenKP21[159], DerrienP14[97]
Classification	EOSP		SquillaciPR23[346]	
Classification	Earth Observation Scheduling Problem		SquillaciPR23[346]	
Classification	FJS	WangB23[391], YuraszeckMCCR23[406], MullerMKP22[272], WangB20[390], LunardiBLRV20[249], MengZRZL20[262], Novas19[284], MossigeGSMC17[269]	OujanaAYB22[292], abs-1902-09244[160], ZhangW18[412], SchuttFS13[330]	ZhouGL15[416]
Classification	Fixed Job Scheduling	WangB20[390]	WangB23[391]	
Classification	GCSP	GroleazNS20[154]		
Classification	HFF	ArmstrongGOS22[14], OujanaAYB22[292], ArmstrongGOS21[13], ZhouGL15[416]		
Classification	JSPT		MurinR19[273]	
Classification	JSSP	JuvinHHL23[188], TasselGS23[355], YuraszeckMC23[405], YuraszeckMCCR23[406], abs-2306-05747[356], GeitzGSSW22[137], ColT19[83], Pralet17[310], KelbelH11[198], PapaB98[296]	GalleguillosKSB19[124], LombardiBM15[241], SialaAH15[340], BelhadjiI98[46]	EfthymiouY23[106], MehdiZadeh-Somarin23[260], WikarekS19[395], PraletLJ15[311]
Classification	KRFP	KamarainenS02[190], SakkoutW00[325]		
Classification	LSFRP	KelarevaTK13[197]		
Classification	Liner Shipping Fleet Repositioning Problem		KelarevaTK13[197]	
Classification	MGAP	Darby-DowmanLMZ97[86]		
Classification	Modified Generalized Assignment Problem			



Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Classification	OSP	Bit-Monnot23[55], LacknerMMWW23[224], LacknerMMWW21[223], GayHLS15[128]	SquillaciPR23[346], GrimesHM09[151], MonetteDD07[265]	MengZRZL20[262]
Classification	OSSP	YuraszeckMC23[405], AbreuN22[89]		YuraszeckMCCR23[406]
Classification	Open Shop Scheduling Problem	AbreuN22[89]		PrataAN23[312], Bit-Monnot23[55], YuraszeckMCCR23[406], MengZRZL20[262], SacramentoSP20[322], GrimesH10[149], GrimesHM09[151], MonetteDD07[265], VerfaillieL01[375]
Classification	PJSSP		PapaB98[296]	
Classification	PMSP	WinterMMW22[396], PandeyS21a[294], GodetLHS20[143], MalapertN19[254], GedikKEK18[132]	VlkHT21[387], NattafM20[278]	OujanaAYB22[292]
Classification	PP-MS-MMRCPS			
Classification	PTC	NattafM20[278], MalapertN19[254]		
Classification	Pre-emptive Job-Shop scheduling Problem			
Classification	RCPS	PovedaAA23[309], YuraszeckMCCR23[406], BoudreaultSLQ22[67], CampeauG22[72], FetgoD22[116], SubulanC22[347], BenderWS21[47], GeibingerMM21[136], HillTV21[175], HubnerGSV21[184], GeibingerMM19[135], abs-1902-09244[160], abs-1911-04766[134], KameugneFGOQ18[192], LaborieRSV18[222], BofillCSV17[57], MossigeGSMC17[269], Pralet17[310], YoungFS17[403], KreterSS17[217], SchuttS16[333], SzerediS16[351], KreterSS15[216], VilimLS15[385], HeinzSB13[168], LombardiM12[245], TrojetHL11[367], BertholdHLM10[52], LombardiM10[244], SchuttW10[334], LombardiM09[243], DoomsH08[102], LiessM08[232], ElkhyariGJ02a[108], BaptisteP00[29], BaptisteP97[28]	KameugneFND23[193], TardivoDFMP23[354], Caballero23[71], KovacsTKSG21[215], Tesch18[360], BaptisteB18[26], GayHLS15[128], LombardiBM15[241], NattafAL15[276], KameugneFSN14[195], HeinzS11[167], KameugneFSN11[194], KeriK07[199], KovacsV06[214], ArtiguesR00[17], HeipckeCCS00[171]	GeitzGSSW22[137], HanenKP21[159], ZhangYW21[411], Mercier-AubinGQ20[263], WikarekS19[395], OuelletQ18[290], FahimiOQ18[113], BonfiettiZLM16[64], Tesch16[359], SialaAH15[340], cpaior-GayHS15[130], BonfiettiLM14[63], DerrienPZ14[98], KoschB14[208], LetortCB13[229], OuelletQ13[289], SchuttFS13[330], cpaior-SchuttFS13[329], BonfiettiLBM12[62], BonfiettiLBM11[61], GrimesH11[150], LahimerLH11[225], LombardiBMB11[242], Vilim11[382], SchuttFSW11[332], AkkerDH07[370], PoderBS04[304], ElkhyariGJ02[107], HookerY02[182]
Classification	RCPSDC			CampeauG22[72], HubnerGSV21[184]
Classification	Resource-constrained Project Scheduling Problem with Discounted Cashflow			
Classification	SBSFMAL	OzturkTHO13[293]		
Classification	SCC	KimCMLLP23[202], WolinskiKG04[399]		PohlAK22[305], SchausHMCMD11[326]
Classification	SMSDP			
Classification	Steel-making and continuous casting			
Classification	TCSP	BelhadjiI98[46]		
Classification	TMS	PopovicCGNC22[307]		CappartS17[73]
Classification	Temporal Constraint Satisfaction Problem		BelhadjiI98[46]	
Classification	parallel machine	PrataAN23[312], IsikYA23[186], abs-2305-19888[170], OujanaAYB22[292], WinterMMW22[396], ZhangJZL22[410], HeinzNVH22[169], PandeyS21a[294], GodetLHS20[143], NattafM20[278], MengZRZL20[262], MalapertN19[254], ArbaouiY18[12], GedikKEK18[132], EdisO11[105]	SacramentoSP20[322], BogaerdTW19[371], ParkUJR19[297], Novas19[284], BenediktSMVH18[49], ZhouGL15[416], KovacsB11[210], AkkerDH07[370]	JuvinHHL23[188], KimCMLLP23[202], Mehdizadeh-Somarin23[260], LacknerMMWW23[224], ArmstrongGOS22[14], HanenKP21[159], LacknerMMWW21[223], AbohashimaEG21[2], FanXG21[115], AstrandJZ20[22], QinDCS20[315], BaptisteB18[26], LaborieRSV18[222], KletzanderM17[204], KreterSS17[217], FontaineMH16[117], BurtLPS15[70], KreterSS15[216], NovasH14[287], LombardiM12[245], LahimerLH11[225], ArtiouchineB05[18], Sadykov04[323]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Classification	psplib	TardivoDFMP23[354], OuelletQ18[290], cpaior-GayHS15[130], LetortCB15[230], DerrienP14[97], KameugneFSN14[195], cpaior-SchuttFS13[329], HeinzSB13[168], SchuttFSW11[332], BertholdHLMS10[52], SchuttFSW09[331]	KameugneFND23[193], BoudreaultSLQ22[67], HillTV21[175], Tesch18[360], BaptisteB18[26], FahimiOQ18[113], SzerediS16[351], Tesch16[359], GayHLS15[128], LombardiBM15[241], VilimLS15[385], BonfiettiLM14[63], LetortCB13[229], LetortBC12[228], HeinzS11[167], Vilim11[382], SchuttW10[334]	LaborieRSV18[222], BofilCSV17[57], Pralet17[310], YoungFS17[403], OuelletQ13[289], LombardiM12[245], KameugneFSN11[194], LiessM08[232], FortinZDF05[118], ElkhayariGJ02a[108]
Classification	single machine	PrataAN23[312], LacknerMMWW23[224], BenediktMH20[48], BogaerdTW19[371], KovacsB11[210], ThiruvadyBME09[361]	HillTV21[175], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], PandeyS21a[294], NattafM20[278], BenediktSMVH18[49], Tesch18[360], KoschB14[208], BillautHL12[54], KovacsK11[212], AkkerDH07[370], Sadykov04[323], OddiPCC03[288], SchildW00[327]	abs-2402-00459[279], Mehdizadeh-Somarin23[260], IsikYA23[186], GeitzGSSW22[137], LiFJZL22[231], ZhangJZL22[410], AbreuN22[89], PohlAK22[305], abs-2211-14492[348], KovacsTKSG21[215], FanXG21[115], QinWSL21[314], GodetLHS20[143], TangB20[352], MalapertN19[254], ParkUJR19[297], Tom19[363], ArbaouiY18[12], AstrandJZ18[21], GedikKEK18[132], MossigeGSMC17[269], ZarandiKS16[407], BurtLPS15[70], DejemeppeCS15[92], MelgarejoLS15[6], HoundjiSWD14[183], NovasH14[287], GuSS13[156], HeinzKB13[165], HeinzSB13[168], HeinzB12[164], KovacsB08[209], KovacsV06[214], ArtiouchineB05[18], ChuX05[79], KovacsV04[213], BeldiceanuC02[42], HeipckeCCS00[171], SakkoutW00[325], BeckDF97[37], Darby-DowmanLMZ97[86]
Constraints	alldifferent	JuvinHHL23[188], KoehlerBFFHPSSS21[205], Simonis07[344]	GodetLHS20[143], BessiereHMQW14[53], KelarevaTK13[197]	WangB23[391], WangB20[390], AstrandJZ20[22], FahimiOQ18[113], MelgarejoLS15[6], AlesioNBG14[99], ClercqPBJ11[81], HermenierDL11[174], HachemiGR11[158], TrojetHL11[367], LopesCSM10[246]
Constraints	alternative constraint	LaborieRSV18[222]	abs-2305-19888[170], MurinR19[273]	LacknerMMWW23[224], WinterMMW22[396], ZhangJZL22[410], HeinzNVH22[169], ArmstrongGOS21[13], HillTV21[175], HubnerGSV21[184], PandeyS21a[294], VlKHT21[387], MengZRZL20[262], SacramentoSP20[322], GalleguillosKSB19[124], GeibingerMM19[135], MalapertN19[254], EscobetPQPRA19[110], abs-1911-04766[134], ArbaouiY18[12], Laborie18a[221], NishikawaSTT18[280], NishikawaSTT18a[281], CappartS17[73], NovaraNH16[283], PraletLJ15[311], BartoliniB-BLM14[35], SchuttFS13[330], HeinzB12[164], Laborie09[220]
Constraints	alwaysin	PopovicCGNC22[307], SerraNM12[335]	AalianPG23[1], TangB20[352], MalapertN19[254], LaborieRSV18[222], GoelSHFS15[144]	CampeauG22[72], KreterSS17[217]
Constraints	bin packing	TangB20[352], LetortCB15[230], LetortCB13[229], LetortBC12[228], HeinzSSW12[166], SchausHMCMD11[326]	FrimodigS19[121], BaptisteB18[26], GarganiR07[125], SakkoutW00[325], SchildW00[327]	abs-2402-00459[279], AkramNHRSA23[7], LacknerMMWW23[224], abs-2211-14492[348], ArmstrongGOS21[13], GodetLHS20[143], Madi-WambaLOBM17[252], Doula-biRP14[103], KoschB14[208], LimtanyakulS12[237], EdisO11[105], HermenierDL11[174], BeldiceanuCDP11[43], HentenryckM08[173], KovacsB08[209], DavenportKRSH07[88], Simonis07[344]
Constraints	circuit	MontemanniD23a[267], KlankeBYE21[203], Mercier-AubinGQ20[263], GruianK98[155], Wallace96[388]	WessenCS20[394], KrogtLPHJ07[372], KuchcinskiW03[218], DincbasSH90[101]	PrataAN23[312], IsikYA23[186], MontemanniD23[268], MullerMKP22[272], ArmstrongGOS21[13], KoehlerBFFHPSSS21[205], GroleazNS20[154], WallaceY20[389], EscobetPQPRA19[110], Hooker17[181], HechingH16[163], MelgarejoLS15[6], MurphyMB15[274], HoundjiSWD14[183], CireCH13[80], cpaior-SchuttFS13[329], LombardiM12[245], SchuttFSW11[332], CobanH10[82], QuSN06[316], Hooker06[180], cp-Hooker05[179], Hooker05[178], Hooker04[177], MartinPY01[258], KorbaaYG99[206], RodosekW98[320], Simonis95[343]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	cumulative	AalianPG23[1], KameugneFND23[193], PovedaAA23[309], TardivoDFMP23[354], IsikYA23[186], LacknerMMWW23[224], BoudreaultSLQ22[67], OuelletQ22[291], ZhangJZL22[410], FetgoD22[116], PohlAK22[305], HanenKP21[159], KovacsTKSG21[215], LacknerMMWW21[223], GodetLHS20[143], GroleazNS20[154], Mercier-AubinGQ20[263], SacramentoSP20[322], WallaceY20[389], GeibingerMM19[135], MalapertN19[254], YangSS19[402], Novas19[284], abs-1911-04766[134], KameugneFGOQ18[192], OuelletQ18[290], Tesch18[360], BaptisteB18[26], FahimiOQ18[113], LaborieRSV18[222], Madi-WambaLOBM17[252], MossigeGSMC17[269], Pralet17[310], YoungFS17[403], KreterSS17[217], NattafAL17[277], SchuttS16[333], SzerediS16[351], Tesch16[359], NovaraNH16[283], EvenSH15[111], GayHS15[129], KreterSS15[216], MurphyMB15[274], VilimLS15[385], cpaior-GayHS15[130], EvenSH15a[112], GoelSHFS15[144], Kameugne15[191], LetortCB15[230], NattafAL15[276], SimoninAHL15[342], DejemeppeD14[93], DerrienP14[97], DerrienPZ14[98], GaySS14[131], KameugneFSN14[195], HeinzKB13[165], LetortCB13[229], OuelletQ13[289], SchuttFS13[330], cpaior-SchuttFS13[329], HeinzSB13[168], BonfiettiLBM12[62], HeinzB12[164], LetortBC12[228], SchuttCSW12[328], SerraNM12[335], LombardiM12[245], ClercqPBJ11[81], HeinzS11[167], KameugneFSN11[194], Vilim11[382], BeldiceanuCDP11[43], KelbelH11[198], SchuttFSW11[332], TrojetHL11[367], BertholdHLM10[52], LombardiM10[244], SchuttW10[334], SchuttFSW09[331], Vilim09[380], cpaior-Vilim09[381], abs-0907-0939[302], BeldiceanuCP08[44], KovacsB08[209], BeldiceanuP07[45], Simonis07[344], KhemmoudjPB06[201], Hooker06[180], Geske05[139], WolfS05[398], cp-Hooker05[179], Hooker05[178], HentenryckM04[172], Hooker04[177], PoderBS04[304], BeldiceanuC02[42], HookerY02[182], ArtiguesR00[17], BaptisteP00[29], PapaB98[296], BaptisteP97[28], Goltz95[147], SimonisC95[345]	PrataAN23[312], abs-2402-00459[279], EfthymiouY23[106], PerezGSL23[299], abs-2312-13682[300], GeitzGSSW22[137], AbreuN22[89], CampeauG22[72], HillTV21[175], KlankeBYE21[203], HubnerGSV21[184], NattafM20[278], GalleguillosKSB19[124], GedikKEK18[132], BonfiettiZLM16[64], BoothNB16[65], LimHTB16[234], BurtLPS15[70], GayHLS15[128], GuSS13[156], LimtanyakulS12[237], BartakS11[34], KovacsB11[210], GrimesH10[149], AronssonBK09[15], AkkerDH07[370], Limtanyakul07[236], BeniniBGM06[50], KovacsV06[214], ChuX05[79], VilimBC05[384], KovacsV04[213], VilimBC04[383], Bartak02a[32], Caseau97[75]	Bit-Monnot23[55], JuvinHHL23[188], TasselGS23[355], Gur- PAE23[157], YuraszeckMCCR23[406], abs-2305-19888[170], abs-2306-05747[356], ArmstrongGOS22[14], Popovic- CGNC22[307], HeinzNVH22[169], SubulanC22[347], abs- 2211-14492[348], ArmstrongGOS21[13], GeibingerMM21[136], KoehlerBFFHPSSS21[205], PandeyS21a[294], FrimodigS19[121], WikarekS19[395], abs-1902-09244[160], ArbaouiY18[12], AstrandJZ18[21], DemirovicS18[95], Laborie18a[221], ZhangW18[412], BofilCSV17[57], CappartS17[73], Gold- waserS17[146], CauwelaertDMS16[76], GilesH16[140], Madi- WambaB16[251], DejemeppeCS15[92], PesantRR15[301], SialaAH15[340], ZhouGL15[416], WangMD15[392], Bartolin- iBBLM14[35], BonfiettiLM14[63], KoschB14[208], CireCH13[80], OzturkTHO13[293], SimoninAHL12[341], BonfiettiLBM11[61], ChapadosJR11[78], EdisO11[105], GrimesH11[150], Hermen- nierDL11[174], LombardiBMB11[242], Laborie09[220], Mon- etteDH09[266], ThiruvadyBME09[361], MouraSCL08a[270], LiessM08[232], RossiTHP07[321], ArtiouchineB05[18], Vilim05[379], Vilim04[378], Vilim03[377], Wolf03[397], Bar- tak02[33], ElkhyariGJ02[107], ElkhyariGJ02a[108], Vilim02[376], Timpe02[362], HeipckeCCS00[171], GruianK98[155], BeckDF97[37], Zhou97[415], Simonis95[343]
Constraints	diffn	ArmstrongGOS21[13], Simonis07[344]	BeldiceanuCDP11[43]	KreterSS17[217], KreterSS15[216], TrojetHL11[367], Timpe02[362], GruianK98[155], Simonis95[343], SimonisC95[345]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	disjunctive	Bit-Monnot23[55], JuvinHHL23[188], KoehlerBFFHPSSS21[205], GodetLHS20[143], FahimiOQ18[113], LaborieRSV18[222], MossigeGSMC17[269], Pralet17[310], NattafAL17[277], FontaineMH16[117], MelgarejoLS15[6], SialaAH15[340], cpaior-GayHS15[130], GoelSHFS15[144], SchuttFS13[330], cpaior-SchuttFS13[329], OzturkTHO13[293], LombardiM12[245], BeldiceanuCDP11[43], SchuttFSW11[332], GrimesH10[149], SchuttW10[334], LopesCSM10[246], GrimesHM09[151], BeldiceanuCP08[44], ArtiguesBF04[16], HentenryckM04[172], Wolf03[397], ElkhyariGJ02a[108], BaptisteP00[29], SakkoutW00[325], RodosekW98[320], BelhadjiI98[46], PapaB98[296], BaptisteP97[28], Zhou97[415], Zhou96[414], DincbasSH90[101]	BoudreaultSLQ22[67], Astrand0F21[20], GeibingerMM21[136], AstrandJZ20[22], SacramentoSP20[322], YangSS19[402], DemirovicS18[95], KameugneFGOQ18[192], EvenSH15[111], GayHS15[129], VilimLS15[385], EvenSH15a[112], SimoninAHL15[342], GaySS14[131], KameugneFSN14[195], GrimesH11[150], HeinzS11[167], KelbelH11[198], MouraSCL08[271], MouraSCL08a[270], LiessM08[232], MonetteDD07[265], ArtiouchineB05[18], ArtiguesR00[17], SchildW00[327], Darby-DowmanLMZ97[86]	abs-2402-00459[279], EfthymiouY23[106], KameugneFND23[193], PovedaAA23[309], TardivoDFMP23[354], TasselGS23[355], LacknerMMWW23[224], abs-2306-05747[356], OuelletQ22[291], OujanaAYB22[292], MullerMKP22[272], abs-2211-14492[348], KlankeBYE21[203], ZhangYW21[411], Mercier-AubinGQ20[263], WallaceY20[389], ColT19[83], WikarekS19[395], abs-1911-04766[134], AstrandJZ18[21], OuelletQ18[290], GoldwaserS17[146], YoungFS17[403], BonfiettiZLM16[64], BoothNB16[65], CauwelaertDMS16[76], GilesH16[140], Tesch16[359], NovaraNH16[283], DejemeppesCS15[92], GayHLS15[128], MurphyMB15[274], Siala15[339], KoschB14[208], GrimesIOS14[152], LetortCB13[229], OuelletQ13[289], HeinzSB13[168], IfrimOS12[185], SimoninAHL12[341], LimtanyakulS12[237], HermenierDL11[174], KameugneFSN11[194], LahimerLH11[225], Vilim11[382], KovacsB11[210], TrojetHL11[367], BertholdHLM10[52], CobanH10[82], LombardiM10[244], Laborie09[220], MonetteDH09[266], SchuttFSW09[331], GarridoAO09[126], WatsonB08[393], KovacsB08[209], BeldiceanuP07[45], DavenportKRSH07[88], HoeveGSL07[373], Simonis07[344], LiuJ06[240], Hooker06[180], ChuX05[79], Vilim05[379], cp-Hooker05[179], Hooker05[178], VilimBC05[384], Hooker04[177], KovacsV04[213], Sadykov04[323], Vilim04[378], VilimBC04[383], DannaP03[85], Vilim03[377], Bartak02[33], Bartak02a[32], ElkhyariGJ02[107], HookerY02[182], Vilim02[376], Timpe02[362], VanczaM01[374], HeipckeCCS00[171], Colombani96[84], Wallace96[388], Goltz95[147], Puget95[313]
Constraints	endbeforestart	SubulanC22[347], QinDCS20[315]	IsikYA23[186], PandeyS21a[294], LunardiBLRV20[249], MengZRZL20[262], LaborieRSV18[222], NovaraNH16[283], Laborie09[220]	AalianPG23[1], JuvinHHL23[188], JuvinHL23[189], LacknerMMWW23[224], YuraszcekMCCR23[406], ZhangJZL22[410], CampeauG22[72], LacknerMMWW21[223], HubnerGSV21[184], ZhangYW21[411], TangB20[352], BenediktMH20[48], SacramentoSP20[322], GeibingerMM19[135], MurinR19[273], ParkUJR19[297], Novas19[284], abs-1902-09244[160], abs-1911-04766[134], NishikawaSTT18[280], NishikawaSTT18a[281]
Constraints	nooverlap	JuvinHHL23[188], IsikYA23[186], abs-2305-19888[170], PopovicCGNC22[307], HeinzNVH22[169], VlkHT21[387], LunardiBLRV20[249], QinDCS20[315], GedikKEK18[132], MelgarejoLS15[6]	KimCMLLP23[202], TasselGS23[355], LacknerMMWW23[224], abs-2306-05747[356], AbreuN22[89], PohlAK22[305], BenderWS21[47], KlankeBYE21[203], BenediktMH20[48], MengZRZL20[262], SacramentoSP20[322], MalapertN19[254], MurinR19[273], EscobetPQPRA19[110], Novas19[284], abs-1911-04766[134], ArbaouiY18[12], LaborieRSV18[222], ZhangW18[412], BoothNB16[65], NovaraNH16[283], PraletLJ15[311], GoelSHFS15[144], EdisO11[105]	AalianPG23[1], JuvinHL23[189], SquillaciPR23[346], YuraszcekMC23[405], ArmstrongGOS22[14], OujanaAYB22[292], WinterMMW22[396], ZhangJZL22[410], CampeauG22[72], LacknerMMWW21[223], GroleazNS20[154], NattafM20[278], BogaerdtW19[371], ColT19[83], GeibingerMM19[135], ParkUJR19[297], BenediktSMVH18[49], CappartS17[73], HechingH16[163], VilimLS15[385], WangMD15[392], Laborie09[220]
Constraints	regular expression		FrimodigS19[121]	
Constraints	span constraint		CappartS17[73], SchuttFS13[330], Darby-DowmanLMZ97[86]	OujanaAYB22[292], TangB20[352], LaborieRSV18[222], SimoninAHL15[342], SimoninAHL12[341], SchuttFSW11[332]
Constraints	table constraint	PapaB98[296]		PerezGSL23[299], abs-2312-13682[300], ArmstrongGOS21[13], GayHS15[129], MelgarejoLS15[6], PesantRR15[301], LimtanyakulS12[237], HermenierDL11[174], LopesCSM10[246], MouraSCL08[271], ElkhyariGJ02[107]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ProgLanguages	C++			JuvinHHL23[188], TardivoDFMP23[354], PopovicCGNC22[307], AntuoriHHEN21[11], QinWSLS21[314], Mercier-AubinGQ20[263], AstrandJZ20[22], abs-1902-01193[8], ArbaouiY18[12], LaborieRSV18[222], NattafAL17[277], BoothNB16[65], Tesch16[359], NattafAL15[276], LahimerLH11[225], LombardiBMB11[242], KovacsB11[210], KovacsK11[212], LopesCSM10[246], ThiruvadyBME09[361], MouraSCL08[271], MouraSCL08a[270], WatsonB08[393], LiessM08[232], DavenportKRSH07[88], GarganiR07[125], KeriK07[199], KhemmoudjPB06[201], Vilim05[379], ArtiguesBF04[16], Timpe02[362], BaptisteP00[29], PapaB98[296], BaptisteP97[28]
ProgLanguages	c	KoehlerBFFHPSSS21[205]		HubnerGSV21[184], BogaerdtW19[371], LaborieRSV18[222], Laborie09[220], GarridoOS08[127]
ProgLanguages	java		KuchcinskiW03[218]	KameugneFND23[193], TasselGS23[355], abs-2306-05747[356], OuelletQ22[291], FetgoD22[116], MullerMKP22[272], AntuoriHHEN21[11], ArmstrongGOS21[13], FanXG21[115], BarzegaranZP20[36], TangB20[352], SacramentoSP20[322], ColT19[83], FrohnerTR19[122], GeibingerMM19[135], Tom19[363], abs-1911-04766[134], KameugneFGQ18[192], OuelletQ18[290], LaborieRSV18[222], CauwelaertDMS16[76], Madi-WambaB16[251], MurphyMB15[274], cpaioir-GayHS15[130], EvenSH15a[112], LetortCB15[230], DerrienP14[97], KoschB14[208], LetortCB13[229], LetortBC12[228], RendlPHPR12[318], ClercqPBJ11[81], ZibranR11[418], SchuttW10[334], GrimesHM09[151], GarridoAO09[126], abs-0907-0939[302], GarridoOS08[127], WolinskiKG04[399], OddiPCC03[288], Wolf03[397]
ProgLanguages	julia			
ProgLanguages	lisp			Wallace96[388]
ProgLanguages	prolog	ArmstrongGOS21[13], FalaschiGMP97[114], Zhou97[415], Wallace96[388], Simonis95[343], Touraivane95[366], DincbasSH90[101]	Madi-WambaLOBM17[252], MossigeGSMC17[269], MartinPY01[258], RodosekW98[320], Zhou96[414], SimonisC95[345]	ArmstrongGOS22[14], PopovicCGNC22[307], YangSS19[402], abs-1902-01193[8], LetortCB15[230], LetortCB13[229], LetortBC12[228], BeldiceanuCDP11[43], TrojetHL11[367], AronssonBK09[15], BeldiceanuCP08[44], KrogtLPHJ07[372], Simonis07[344], QuSN06[316], Geske05[139], PoderBS04[304], Bartak02[33], BeldiceanuC02[42], KorbaaYG99[206], Darby-DowmanLMZ97[86], Goltz95[147], Ertik91[109], EfthymiouY23[106], KimCMLLP23[202], Mehdizadeh-Somarin23[260], PovedaAA23[309], SquillaciPR23[346], AkramNHRSA23[7], MontemanniD23[268], MontemanniD23a[267], CampeauG22[72], FetgoD22[116], MullerMKP22[272], PohlAK22[305], BenderWS21[47], HanenKP21[159], KlankeBYE21[203], AbohashimaEG21[2], FanXG21[115], Mercier-AubinGQ20[263], LunardiBLRV20[249], BehrensLM19[40], FrimodigS19[121], FrohnerTR19[122], GalleguillosKSB19[124], abs-1901-07914[41], abs-1902-01193[8], He0GLW18[161], GoldwaserS17[146], LiuCGM17[239]
ProgLanguages	python	KoehlerBFFHPSSS21[205]	AbreuN22[89], abs-2211-14492[348], LaborieRSV18[222]	

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	CHIP	TrojetHL11[367], Simonis07[344], GruianK98[155], Wallace96[388], Goltz95[147], Simonis95[343], SimonisC95[345], DincbasSH90[101]	ArmstrongGOS21[13], YangSS19[402], LaborieRSV18[222], Geske05[139], PoderBS04[304], Timpe02[362], RodosekW98[320], Zhou97[415]	PrataAN23[312], KameugneFND23[193], TardivoDFMP23[354], PopovicCGNC22[307], FetgoD22[116], KlankeBYE21[203], GodetLHS20[143], abs-1902-01193[8], KameugneFGOQ18[192], BaptisteB18[26], MossigeGSMC17[269], Pralet17[310], KreterSS17[217], FontaineMH16[117], Madi-WambaB16[251], KreterSS15[216], ZhouGL15[416], LetortCB15[230], SimoninAHL15[342], DerrienPZ14[98], GrimesIOS14[152], KameugneFSN14[195], cpaior-SchuttFS13[329], Ozturk-THO13[293], LetortBC12[228], SchuttCSW12[328], SimoninAHL12[341], ClercqPBJ11[81], BeldiceanuCDP11[43], SchuttFSW11[332], SchuttW10[334], AronssonBK09[15], SchuttFSW09[331], abs-0907-0939[302], BeldiceanuCP08[44], DavenportKRSH07[88], KhemmoudjPB06[201], WolfS05[398], BeldiceanuC02[42], BaptisteP00[29], SakkoutW00[325], KorbaaYG99[206], PapaB98[296], BaptisteP97[28], Colombani96[84], IsikYA23[186], YuraszeckMCCR23[406], ArmstrongGOS22[14], GeitzGSSW22[137], LiFJZLL22[231], OujanaAYB22[292], MengZRZL20[262], abs-1902-09244[160], ZhangW18[412], CapartS17[73], HechingH16[163], GoelSHFS15[144], CireCH13[80], HeinzB12[164], ZibranR11[418], BartakS11[34], CobanH10[82], SunLYL10[349], Limtanyakul07[236], RossiTHP07[321], Hooker05[178], Hooker04[177], RodosekW98[320], Wallace96[388], DincbasSH90[101]
CPSystems	OPL	LacknerMMWW23[224], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], PandeyS21a[294], QinDCS20[315], EscobetQPRA19[110], Novas19[284], LaborieRSV18[222], NovaraNH16[283], AlesioNBG14[99], HachemiGR11[158], ZeballosQH10[409], Laborie09[220], KhayatLR06[200]	MullerMKP22[272], SubulanC22[347], MurinR19[273], Laborie18a[221], NovasH14[287], OzturkTHO13[293], SerraNM12[335], NovasH12[286], EdisO11[105], ZibranR11a[419], KelbelH11[198], TopalogluO11[364], NovasH10[285], GarganiR07[125], KrogLPHJ07[372], Hooker06[180], QuirogaZH05[317], cp-Hooker05[179], ZeballosH05[408], VerfaillieL01[375]	KorbaaYG99[206]
CPSystems	OZ		MaraveliasG04[257]	ZhangW18[412], BofillCSV17[57], Zhou96[414]
CPSystems	Z3	KoehlerBFFHPSSS21[205]	VlkHT21[387]	OuelletQ22[291], GodetLHS20[143], YangSS19[402], OuelletQ18[290], Madi-WambaB16[251], EvenSH15[111], MurphyMB15[274], EvenSH15a[112], BessiereHMqw14[53], RossiTHP07[321]
CPSystems	choco	TasselGS23[355], abs-2306-05747[356], LetortCB15[230], LetortCB13[229], OuelletQ13[289], LetortBC12[228], GrimesHM09[151], GarridoAO09[126], abs-0907-0939[302], GarridoOS08[127]	KameugneFND23[193], FetgoD22[116], MullerMKP22[272], AntuoriHHEN21[11], LiuLH19[238], KameugneFGOQ18[192], FahimiOQ18[113], LaborieRSV18[222], GayHS15[129], DerrienP14[97], DerrienPZ14[98], KoschB14[208], ClercqPBJ11[81], HermenierDL11[174]	
CPSystems	chuffed	PovedaAA23[309], LacknerMMWW23[224], BoudreaultSLQ22[67], MullerMKP22[272], ArmstrongGOS21[13], GeibingerMM21[136], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], GodetLHS20[143], WallaceY20[389], abs-1911-04766[134], YoungFS17[403], KreterSS17[217], SzerediS16[351], KreterSS15[216]		SchuttS16[333]
CPSystems	claire	BaptisteP00[29]	BaptisteP97[28]	HanenKP21[159], PapaB98[296]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	cplex	WinterMMW22[396], MullerMKP22[272], SubulanC22[347], GeibingerKKMMW21[133], HubnerGSV21[184], KoehlerBFFHPSSS21[205], PandeyS21a[294], LunardiBLRV20[249], MengZRZL20[262], QinDCS20[315], SacramentoSP20[322], GeibingerMM19[135], MurinR19[273], abs-1911-04766[134], NishikawaSTT18[280], NishikawaSTT18a[281], LaborieRSV18[222], KreterSS17[217], NovaraNH16[283], KoschB14[208], CireCH13[80], HeinzSB13[168], MasonO1[259], Darby-DowmanLMZ97[86]	Mehdizadeh-Somarin23[260], IsikYA23[186], LacknerMMWW23[224], CampeauG22[72], ArmstrongGOS21[13], KovacsTKSG21[215], LacknerMMWW21[223], QinWSLS21[314], NattafM20[278], WallaceY20[389], MalapertN19[254], Novas19[284], abs-1902-09244[160], HechingH16[163], BofilGSV15[59], PraletLJ15[311], VilimLS15[385], NattafAL15[276], BofilEGPSV14[58], GrimesIOS14[152], HeinzKB13[165], BillautHL12[54], HeinzB12[164], SerraNM12[335], LimtanyakulS12[237], EdisO11[105], GrimesH11[150], KelbelH11[198], AronssonBK09[15], Hooker05[178], Hooker04[177], DannaP03[85], SakkoutW00[325], RodosekW98[320]	AalianPG23[1], JuvinHL23[189], PovedaAA23[309], Squil-laciPR23[346], GurPAE23[157], YuraszeckMCCR23[406], PopovicCGNC22[307], AbreuN22[89], PohlAK22[305], abs-2211-14492[348], GeibingerMM21[136], KlankeBYE21[203], FanXG21[115], VlkHT21[387], ZhangYW21[411], TangB20[352], BogaerdTW19[371], FrimodigS19[121], EscobetQPRA19[110], ArbaouiY18[12], GedikKEK18[132], PourDERB18[308], ZhangW18[412], Pralet17[310], NattafAL17[277], BoothNB16[65], GilesH16[140], SzerediS16[351], BurtLPS15[70], KreterSS15[216], MelgarejoLS15[6], GoelSHFS15[144], WangMD15[392], Ale-sioNBG14[99], DoulabiRP14[103], KelarevaTK13[197], Oz-turkTHO13[293], HeinzSSW12[166], HeinzS11[167], Zi-branR11[418], ZibranR11a[419], HachemiGR11[158], Ko-vacsK11[212], TopalogluO11[364], BertholdHLMS10[52], CobanH10[82], Davenport10[87], SunLYL10[349], ZeballosQH10[409], AkkerDH07[370], DavenportKRSH07[88], HoeveGSL07[373], BeniniBGM06[50], Hooker06[180], Khay-atLR06[200], cp-Hooker05[179], Timpe02[362], VerfaillieL01[375], BensanaLV99[51]
CPSystems	cpo	Bit-Monnot23[55], JuvinHHL23[188], LacknerMMWW23[224], WinterMMW22[396], ArmstrongGOS21[13], LacknerMMWW21[223], GroleazNS20[154], NattafM20[278], SacramentoSP20[322], ColT19[83], GeibingerMM19[135], MalapertN19[254], LaborieRSV18[222], KreterSS17[217], PraletLJ15[311], GoelSHFS15[144], Laborie09[220]	AalianPG23[1], abs-1911-04766[134]	JuvinHL23[189], PovedaAA23[309], OujanaAYB22[292], GeibingerMM21[136], TangB20[352], Laborie18a[221], Pralet17[310], VilimLS15[385], Vilim09[380], GarridoAO09[126], GarridoOS08[127]
CPSystems	eclipse	RodosekW98[320]	SchuttFSW11[332], KamarainenS02[190], Darby-DowmanLMZ97[86], Wallace96[388]	FanXG21[115], WikarekS19[395], ZeballosQH10[409], Schut-tFSW09[331], BeniniBGM06[50], ChuX05[79], QuirogaZH05[317], MartinPY01[258]
CPSystems	gecode	TardivoDFMP23[354], AstrandJZ20[22], SzerediS16[351], GayHS15[129], ZhouGL15[416], KameugneFSN14[195]	MullerMKP22[272], AntuoriHHEN21[11], Astrand0F21[20], GeibingerKKMMW21[133], FrohnerTR19[122], GeibingerMM19[135], abs-1911-04766[134], LaborieRSV18[222], BurtLPS15[70], BofilEGPSV14[58], KameugneFSN11[194], KovacsK11[212], ThiruvadyBME09[361]	ArmstrongGOS21[13], WessenCS20[394], MengZRZL20[262], WallaceY20[389], FrimodigS19[121], YangSS19[402], As-trandJZ18[21], GoldwaserS17[146], PesantRR15[301], Monet-teDD07[265]
CPSystems	gurobi	WangB23[391], LacknerMMWW23[224], WinterMMW22[396], GeibingerKKMMW21[133], KovacsTKSG21[215], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], WangB20[390], WallaceY20[389], FrohnerTR19[122]	VlkHT21[387], GoldwaserS17[146], FontaineMH16[117]	KimCMLLP23[202], MontemanniD23[268], abs-2305-19888[170], HeinzNVH22[169], PohlAK22[305], KlankeBYE21[203], AbohashimaEG21[2], FanXG21[115], HubnerGSV21[184], BenediktMH20[48], MengZRZL20[262], BenediktSMVH18[49], DemirovicS18[95], He0GLW18[161], BurtLPS15[70], Pe-santRR15[301]
CPSystems	ilog scheduler	GrimesH11[150], ZeballosQH10[409]	LaborieRSV18[222], HeinzB12[164], LimtanyakulS12[237], NovasH12[286], GrimesHM09[151], WatsonB08[393], ZeballosH05[408]	Laborie18a[221], SchuttS16[333], NovasH14[287], LahimerLH11[225], HachemiGR11[158], KovacsB11[210], SchuttFSW11[332], LopesCSM10[246], NovasH10[285], cpaior-Vilim09[381], MouraSCL08[271], MouraSCL08a[270], Ko-vacsB08[209], HoeveGSL07[373], Simonis07[344], KovacsV06[214], Hooker06[180], ArtiouchineB05[18], QuirogaZH05[317], WuBB05[401], cp-Hooker05[179], Hooker05[178], Ar-tiguesBF04[16], Hooker04[177], KovacsV04[213], DannaP03[85], Bartak02a[32], BaptisteP00[29], Zhou97[415]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	ilog solver		GrimesH11[150], ZeballosQH10[409]	abs-1902-01193[8], LaborieRSV18[222], ZarandiKS16[407], PesantRR15[301], NovasH14[287], OzturkTHO13[293], BonfiettiLBM12[62], HeinzB12[164], NovasH12[286], BonfiettiLBM11[61], KelbelH11[198], KovacsB11[210], KovacsK11[212], TopalogluO11[364], LombardiM10[244], LopesCSM10[246], LombardiM09[243], MouraSCL08[271], MouraSCL08a[270], KovacsB08[209], BeniniBGM06[50], GomesHS06[148], QuirogaZH05[317], ZeballosH05[408], ArtiguesBF04[16], DannaP03[85], ValleMGTO3[369], MartinPY01[258], SchildW00[327], KorbaaYG99[206], BensanaLV99[51], PapaB98[296], Wallace96[388]
CPSystems	mini zinc	TardivoDFMP23[354], LacknerMMWW23[224], BoudreaultSLQ22[67], MullerMKP22[272], ArmstrongGOS21[13], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], Mercier-AubinGQ20[263], WallaceY20[389], ColT19[83], FrohnerTR19[122], GeibingerMM19[135], abs-1911-04766[134], LiuCGM17[239], YoungFS17[403], SzerediS16[351], BofilLEGPSV14[58], KelarevaTK13[197]	PovedaAA23[309], KreterSS17[217], KreterSS15[216]	Bit-Monnot23[55], OuelletQ22[291], GeibingerKKMMW21[133], BehrensLM19[40], FrimodigS19[121], abs-1901-07914[41], DemirovicS18[95], FontaineMH16[117], SchuttS16[333], BurtLPS15[70], SchuttFS13[330], HeinzSB13[168]
CPSystems	mistral	JuvinHHL23[188], GrimesHM09[151]	Bit-Monnot23[55], BillautHL12[54]	SialaAH15[340]
CPSystems	or tools	abs-2402-00459[279], LacknerMMWW23[224], MullerMKP22[272], abs-2211-14492[348], KovacsTKSG21[215], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], ColT19[83], GayHS15[129]	EfthymiouY23[106], BoudreaultSLQ22[67], GeibingerKKMMW21[133], BarzegaranZP20[36], LiuCGM17[239]	Bit-Monnot23[55], KimCMLLP23[202], AkramNHRSA23[7], MontemanniD23[268], MontemanniD23a[267], Klanke-BYE21[203], GroleazNS20[154], MengZRZL20[262], BehrensLM19[40], GalleguillosKSB19[124], YangSS19[402], abs-1901-07914[41], PourDERB18[308], BonfiettiZLM16[64], ZhouGL15[416], LombardiM12[245]
CPSystems	sicstus	ArmstrongGOS21[13], LetortCB15[230], LetortCB13[229], LetortBC12[228]	MossigeGSMC17[269], SchuttFSW11[332], QuSN06[316]	ArmstrongGOS22[14], PopovicCGNC22[307], YangSS19[402], Madi-WambaLOBM17[252], BeldiceanuCDP11[43], TrojetHL11[367], SchuttFSW09[331], BeldiceanuCP08[44], Geske05[139], Bartak02[33], BeldiceanuC02[42]
Industries	aerospace industry			SchildW00[327]
Industries	agricultural industry	WinterMMW22[396]		
Industries	automotive industry		LimtanyakulS12[237]	AntuoriHHEN21[11], BonfiettiZLM16[64], SchildW00[327], Wallace96[388]
Industries	chemical industry		Timpe02[362]	LaborieRSV18[222], GilesH16[140], LombardiM12[245], PoderBS04[304]
Industries	chemical processing industry			GilesH16[140]
Industries	control system industry			BonfiettiZLM16[64]
Industries	electricity industry			PopovicCGNC22[307]
Industries	electronics industry			LacknerMMWW23[224], LacknerMMWW21[223]
Industries	food industry			OujanaAYB22[292], GroleazNS20[154], EscobetPQPRA19[110], HachemiGR11[158], Simonis95[343], SimonisC95[345]
Industries	food processing industry			KlankeBYE21[203], abs-1902-09244[160]
Industries	manufacturing industry			PrataAN23[312], LacknerMMWW23[224], WinterMMW22[396], LacknerMMWW21[223], FanXG21[115], Mercier-AubinGQ20[263], TangB20[352], EscobetPQPRA19[110], GedikKEK18[132]
Industries	mineral industry			Astrand0F21[20], AstrandJZ20[22]
Industries	mining industry		AalianPG23[1]	abs-2402-00459[279], CampeauG22[72], Astrand0F21[20], AstrandJZ20[22]
Industries	oil industry			LopesCSM10[246]
Industries	packaging industry			ArmstrongGOS21[13]
Industries	petro chemical industry			LaborieRSV18[222], GilesH16[140]



Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Industries	pharmaceutical industry			YuraszeckMCCR23[406], GeibingerKKMMW21[133], No- varaNH16[283]
Industries	potash industry			Astrand0F21[20], AstrandJZ20[22], AstrandJZ18[21]
Industries	power industry			FrostD98[123]
Industries	process industry		Timpe02[362]	HeinzSSW12[166], Wallace96[388]
Industries	retail industry			ChapadosJR11[78]
Industries	services industry			DoomsH08[102]
Industries	ship repair industry			BoudreaultSLQ22[67]
Industries	steel industry		DavenportKRSH07[88]	KimCMLLP23[202], IsikYA23[186], LacknerMMWW23[224], Ou- janaAYB22[292], LacknerMMWW21[223], abs-1902-09244[160], GoldwaserS17[146], KletzanderM17[204], HeinzSSW12[166], SchausHMCMD11[326], GrimesH10[149], GarganiR07[125]
Industries	steel making industry			
Industries	textile industry	Mercier-AubinGQ20[263]		BessiereHMQW14[53]
Industries	tourism industry			LiuCGM17[239]
Benchmarks	benchmark	Bit-Monnot23[55], JuvinHHL23[188], PovedaAA23[309], TardivoDFMP23[354], TasselGS23[355], IsikYA23[186], LacknerMMWW23[224], YuraszeckMCCR23[406], abs-2306-05747[356], BoudreaultSLQ22[67], LiFJZLL22[231], OuelletQ22[291], WinterMMW22[396], ZhangJZL22[410], AbreuN22[89], MullerMKP22[272], abs-2211-14492[348], GeibingerMM21[136], LacknerMMWW21[223], FanXG21[115], KoehlerBFFHPSSS21[205], PandeyS21a[294], ZhangYW21[411], GodetLHS20[143], WallaceY20[389], ColT19[83], FrimodigS19[121], LiuLH19[238], abs-1902-09244[160], abs-1911-04766[134], DemirovicS18[95], Laborie18a[221], OuelletQ18[290], GedikKEK18[132], LaborieRSV18[222], KreterSS17[217], BurtLPS15[70], KreterSS15[216], MelgarejoLS15[6], VilimLS15[385], BonfiettiLM14[63], cpaior-SchuttFS13[329], HeinzSB13[168], GrimesH11[150], SchuttFSW11[332], SchuttFSW09[331], WatsonB08[393], Wolf03[397], KuchcinskiW03[218], HeipckeCCS00[171], SakkoutW00[325], BensanaLV99[51], BeckDF97[37]	abs-2402-00459[279], KameugneFND23[193], YuraszeckMC23[405], AkramNHRSA23[7], MontemanniD23a[267], abs-2305-19888[170], OujanaAYB22[292], FetgoD22[116], HeinzNVH22[169], KovacsTKSG21[215], GroleazNS20[154], BenediktMH20[48], MengZRZL20[262], SacramentoSP20[322], GeibingerMM19[135], Novas19[284], ArbaouiY18[12], NishikawaSTT18[280], FahimiOQ18[113], BofillCSV17[57], MossigeGSMC17[269], BonfiettiZLM16[64], SchuttS16[333], SzerediS16[351], NovaraNH16[283], DejemeppeCS15[92], LombardiBM15[241], SialaAH15[340], cpaior-GayHS15[130], LetortCB15[230], KoschB14[208], KameugneFSN14[195], LetortCB13[229], OuelletQ13[289], SchuttCSW12[328], LimtanyakulS12[237], ClercqPBJ11[81], KameugneFSN11[194], BeldiceanuCDP11[43], KelbelH11[198], GrimesH10[149], GrimesHM09[151], MonetteDH09[266], BeldiceanuCP08[44], MonetteDD07[265], HentenryckM04[172], KovacsV04[213], VilimBC04[383], DannaP03[85], OddiPCC03[288], Bartak02a[32], GruianK98[155], Zhou97[415]	PrataAN23[312], EfthymiouY23[106], KimCMLLP23[202], Squil- laciPR23[346], MontemanniD23[268], ArmstrongGOS22[14], PohlAK22[305], SubulanC22[347], ArmstrongGOS21[13], Astrand0F21[20], KlankeBYE21[203], HubnerGSV21[184], VlkHT21[387], NattafM20[278], AstrandJZ20[22], Lunardi- BLRV20[249], QinDCS20[315], BogaerdTW19[371], Frohner- TR19[122], MalapertN19[254], MurinR19[273], abs-1901- 07914[41], KameugneFGOQ18[192], NishikawaSTT18a[281], PourDERB18[308], ZhangW18[412], GelainPRVW17[138], Hooker17[181], Pralet17[310], YoungFS17[403], Cauwelaert- DMS16[76], FontaineMH16[117], Madi-WambaB16[251], GayHLS15[128], LimBTBB15[235], Siala15[339], Ale- sioNGB14[99], BessiereHMQW14[53], DerrienPZ14[98], NovasH14[287], GuSS13[156], SchuttFS13[330], Bonfiet- tiLBM12[62], LetortBC12[228], RendlPHPR12[318], Sera- raNM12[335], LombardiM12[245], BonfiettiLBM11[61], HeinzS11[167], LahimerLH11[225], LombardiBMB11[242], Vilim11[382], KovacsB11[210], SchausHMCMD11[326], Lom- bardiM10[244], SchuttW10[334], LopesCSM10[246], Zebal- losQH10[409], Laborie09[220], GarridoAO09[126], LauLN08[226], MouraSCL08a[270], KovacsB08[209], LiessM08[232], HoeveGSL07[373], KovacsV06[214], KhayatLR06[200], FrankK05[119], Vilim05[379], WuBB05[401], VilimBC05[384], ArtiguesBF04[16], Vilim04[378], BeldiceanuC02[42], ElkhyariGJ02a[108], KamarainenS02[190], BaptisteP00[29], RodosekW98[320], PapaB98[296], BaptisteP97[28], Caseau97[75], Darby-DowmanLMZ97[86], Goltz95[147], Puget95[313], ErtlK91[109]
Benchmarks	bitbucket		TardivoDFMP23[354]	He0GLW18[161], CappartS17[73], CauwelaertDMS16[76], De- jemeppeCS15[92], GayHLS15[128], GayHS15[129], cpaior- GayHS15[130], DejemeppeD14[93], HoundjiSWD14[183]
Benchmarks	generated instance	IsikYA23[186], abs-1911-04766[134]	PerezGSL23[299], abs-2312-13682[300], GodetLHS20[143], Madi-WambaB16[251], KelbelH11[198], SchausHMCMD11[326]	abs-2402-00459[279], EfthymiouY23[106], abs-2305-19888[170], BoudreaultSLQ22[67], HeinzNVH22[169], abs-2211-14492[348], Astrand0F21[20], GeibingerMM21[136], HanenKP21[159], Abo- hashimaEG21[2], BenediktMH20[48], LunardiBLRV20[249], GeibingerMM19[135], MalapertN19[254], YangSS19[402], BenediktSMVH18[49], PourDERB18[308], GoldwaserS17[146], MossigeGSMC17[269], BonfiettiZLM16[64], DejemeppeCS15[92], LetortCB15[230], NattafAL15[276], HoundjiSWD14[183], Lim- tanyakulS12[237], BonfiettiLBM11[61], KovacsV06[214], Arti- ouchineB05[18], LimRX04[233]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	github	KoehlerBFFHPSSS21[205]	PovedaAA23[309], TardivoDFMP23[354], BoudreaultSLQ22[67], GodetLHS20[143], BenediktMH20[48], LunardiBLRV20[249]	abs-2402-00459[279], Bit-Monnot23[55], Juvin- HHL23[188], SquillaciPR23[346], TasselGS23[355], YuraszeckMC23[405], YuraszeckMCCR23[406], abs- 2306-05747[356], GeitzGSSW22[137], OuelletQ22[291], MullerMKP22[272], GeibingerMM21[136], KovacsTKSG21[215], AbohashimaEG21[2], VlKHT21[387], WangB20[390], BehrensLM19[40], ColT19[83], MurinR19[273], abs-1901- 07914[41], abs-1911-04766[134], BenediktSMVH18[49], ShinBBHO18[338], GoldwaserS17[146], LiuCGM17[239], YoungFS17[403], BonfiettiZLM16[64], SialaAH15[340]
Benchmarks	gitlab		HeinzNVH22[169]	abs-2305-19888[170], BoudreaultSLQ22[67], AntuoriHHEN21[11]
Benchmarks	http://	YuraszeckMC23[405], IsikYA23[186], HeinzNVH22[169], He0GLW18[161], BaptisteB18[26], LiuCGM17[239], VilimLS15[385], BofillEGPSV14[58], GrimesIOS14[152], SchuttFSW11[332], GarridoAO09[126], Mason01[259]	KameugneFND23[193], FetgoD22[116], WessenCS20[394], DemirovicS18[95], GedikKEK18[132], LaborieRSV18[222], PourDERB18[308], ShinBBHO18[338], BofillCSV17[57], LimHTB16[234], NovaraNH16[283], BofillGSV15[59], BurtLPS15[70], LimBTBB15[235], MurphyMB15[274], SialaAH15[340], LetortCB15[230], WangMD15[392], BartoliniBBLM14[35], KameugneFSN14[195], KelarevaTK13[197], LetortCB13[229], cpaio-SchuttFS13[329], IfrimOS12[185], LetortBC12[228], SerraNM12[335], ZibranR11a[419], Vilim05[379], VanczaM01[374], HeipckeCCS00[171], BensanaLV99[51], Darby-DowmanLMZ97[86]	PrataAN23[312], abs-2402-00459[279], JuvinHHL23[188], WangB23[391], Caballero23[71], LacknerMMWW23[224], Mon- temanniD23a[267], abs-2305-19888[170], GeitzGSSW22[137], AbreuN22[89], PohlAK22[305], AntuoriHHEN21[11], GeibingerKKMMW21[133], KovacsTKSG21[215], Hubn- erGSV21[184], KoehlerBFFHPSSS21[205], VlKHT21[387], Barze- garanZP20[36], Mercier-AubinGQ20[263], NattafM20[278], WangB20[390], AstrandJZ20[22], WallaceY20[389], BehrensLM19[40], BogaerdTW19[371], ColT19[83], Galleguil- losKSB19[124], GeibingerMM19[135], MalapertN19[254], EscobetPQPRA19[110], abs-1901-07914[41], abs-1911- 04766[134], KameugneFGQ18[192], Laborie18a[221], ZhangW18[412], GelainPRVW17[138], GoldwaserS17[146], KletzanderM17[204], MossigeGSMC17[269], Pralet17[310], YoungFS17[403], KreterSS17[217], NattafAL17[277], Cauwe- laertDMS16[76], Madi-WambaB16[251], SchuttS16[333], SzerediS16[351], Tesch16[359], DejemeppeCS15[92], EvenSH15[111], GayHS15[129], KreterSS15[216], Melgare- joLS15[6], PesantRR15[301], ZhouGL15[416], EvenSH15a[112], GoelSHFS15[144], Kameugne15[191], NattafAL15[276], Siala15[339], AlesioNBG14[99], BessiereHMQW14[53], Bon- fiettiLM14[63], DerrienPZ14[98], HoundjiSWD14[183], NovasH14[287], OuelletQ13[289], SchuttFS13[330], HeinzSB13[168], OzturkTHO13[293], BonfiettiLBM12[62], RendIPHPR12[318], SchuttCSW12[328], HeinzSSW12[166], LimtanyakulS12[237], BonfiettiLBM11[61], ClercqPB11[81], GrimesH11[150], HeinzS11[167], HermenierDL11[174], KameugneFSN11[194], LahimerLH11[225], Vilim11[382], BartakS11[34], BeldiceanuCDP11[43], KelbelH11[198], Ko- vacsK11[212], SchausHMCMD11[326], TopalogluO11[364], TrojetHL11[367], BertholdHLS10[52], SunLYL10[349], LopesCSM10[246], NovasH10[285], ZeballosQH10[409], Aron- ssonBK09[15], Laborie09[220], SchuttFSW09[331], Thiru- vadyBME09[361], Vilim09[380], abs-0907-0939[302], Garri- doOS08[127], LiessM08[232], GarganiR07[125], HoeveGSL07[373], KeriK07[199], Hooker06[180], KhayatLR06[200], AbrilSB05[3], ArtiouchineB05[18], DilkinaDH05[100], FortinZDF05[118], Geske05[139], VilimBC05[384], ZeballosH05[408], Ko- vacsV04[213], Vilim04[378], VilimBC04[383], PoderBS04[304], OddiPCC03[288], ValleMGT03[369], Bartak02[33], Bartak02a[32], ElkhyariGJ02a[108], HookerY02[182], KamarainenS02[190], Muscettola02[275], Timpe02[362], VerfaillieL01[375], Baptis- teP00[29], SakkoutW00[325], SchildW00[327], PapaB98[296], Wallace96[388]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	https://	EfthymiouY23[106], PovedaAA23[309], TardivoDFMP23[354], GurPAE23[157], IsikYA23[186], MontemanniD23[268], abs-2305-19888[170], ArmstrongGOS22[14], BoudreaultSLQ22[67], GeitzGSSW22[137], OuelletQ22[291], CampeauG22[72], HeinzNVH22[169], MullerMKP22[272], AstrandOF21[20], BenderWS21[47], GeibingerKKMMW21[133], HanenKP21[159], HillTV21[175], KlankeBYE21[203], HubnerGSV21[184], KoehlerBFFHPSSS21[205], GroleazNS20[154], Mercier-AubinGQ20[263], NattafM20[278], WessenCS20[394], BenediktMH20[48], LunardiBLRV20[249], BogaerdTW19[371], ColT19[83], GalleguillosKSB19[124], GeibingerMM19[135], MalapertN19[254], MurinR19[273], YangSS19[402], DemirovicS18[95], KameugneFGOQ18[192], Laborie18a[221], OuelletQ18[290], Tesch18[360]	abs-2402-00459[279], KameugneFND23[193], KimCMLLP23[202], Mehdizadeh-Somarin23[260], SquillaciPR23[346], YuraszeckMC23[405], AkramNHRSa23[7], LacknerMMWW23[224], MontemanniD23a[267], YuraszeckMCCR23[406], WinterMMW22[396], AbreuN22[89], FetgoD22[116], PohlAK22[305], SubulanC22[347], KovacsTKSG21[215], TangB20[352], SacramentoSP20[322], WallaceY20[389], FrimodigS19[121], FrohnerTR19[122], LiuLH19[238], abs-1911-04766[134], ArbaouiY18[12], AstrandJZ18[21], BenediktSMVH18[49], He0GLW18[161], GedikKEK18[132], LiuCGM17[239], YoungFS17[403]	PrataAN23[312], Bit-Monnot23[55], JuvinHHL23[188], JuvinHL23[189], TasselGS23[355], Caballero23[71], abs-2306-05747[356], OujanaAYB22[292], PopovicCGNC22[307], abs-2211-14492[348], AntuoriHHEN21[11], ArmstrongGOS21[13], LacknerMMWW21[223], AbohashimaEG21[2], FanXG21[115], PandeyS21a[294], QinWSLS21[314], VlKHT21[387], ZhangYW21[411], BarzegaranZP20[36], GodetLHS20[143], WangB20[390], AstrandJZ20[22], MengZRZL20[262], QinDCS20[315], BehrensLM19[40], ParkUJR19[297], EscobetPQPRA19[110], Novas19[284], abs-1901-07914[41], abs-1902-09244[160], NishikawaSTT18[280], NishikawaSTT18a[281], FahimiOQ18[113], LaborieRSV18[222], ShinBBHO18[338], CappartS17[73], GoldwaserS17[146], BonfiettiZLM16[64], CauwelaertDMS16[76], FontaineMH16[117], Madi-WambaB16[251], DejemeppeCS15[92], GayHS15[129], cpaior-GayHS15[130], WangMD15[392], DejemeppeD14[93], HoundjiSWD14[183], SunLYL10[349]
Benchmarks	industrial instance		BonfiettiZLM16[64]	EfthymiouY23[106], PovedaAA23[309], TasselGS23[355], abs-2306-05747[356], OujanaAYB22[292], GroleazNS20[154], Mercier-AubinGQ20[263], NattafM20[278], MalapertN19[254], BofillGSV15[59], BofillEGPSV14[58], BonfiettiLBM11[61], LombardiBMB11[242]
Benchmarks	industrial partner	BoudreaultSLQ22[67]	LacknerMMWW23[224], ArmstrongGOS21[13]	WinterMMW22[396], LacknerMMWW21[223], VlKHT21[387], Mercier-AubinGQ20[263], GeibingerMM19[135], abs-1911-04766[134], MossigeGSMC17[269], LimtanyakulS12[237], KovacsV06[214], KovacsV04[213]
Benchmarks	industry partner	BurtLPS15[70]		WinterMMW22[396], ArmstrongGOS21[13], abs-1902-09244[160]
Benchmarks	instance generator	LacknerMMWW23[224], LacknerMMWW21[223]		abs-2402-00459[279], ArmstrongGOS21[13], abs-1911-04766[134], GoldwaserS17[146], YoungFS17[403], LombardiM09[243], HeipckeCCS00[171]
Benchmarks	random instance	LacknerMMWW21[223], WallaceY20[389]	EfthymiouY23[106], WangB23[391], LacknerMMWW23[224], LetortCB15[230], KelbelH11[198]	Mehdizadeh-Somarin23[260], OuelletQ22[291], MullerMKP22[272], abs-2211-14492[348], HanenKP21[159], KlankeBYE21[203], VlKHT21[387], BenediktMH20[48], LunardiBLRV20[249], BenediktSMVH18[49], FahimiOQ18[113], CappartS17[73], Hooker17[181], MossigeGSMC17[269], Madi-WambaB16[251], DerrienP14[97], DerrienPZ14[98], KameugneFSN14[195], LetortCB13[229], BillautHL12[54], LetortBC12[228], LimtanyakulS12[237], BartakS11[34], Hooker06[180], ArtiouchineB05[18], Hooker05[178], Hooker04[177], BeldiceanuC02[42]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	real life	GurPAE23[157], WinterMMW22[396], SubulanC22[347], HubnerGSV21[184], QinDCS20[315], WangMD15[392], Bartak02a[32], MartinPY01[258]	LacknerMMWW23[224], OujanaAYB22[292], Astrand0F21[20], KlankeBYE21[203], LacknerMMWW21[223], abs-1911-04766[134], PourDERB18[308], GaySS14[131], LintangyakulS12[237], Tsang03[368], SimonisC95[345], DincbasSH90[101]	PrataAN23[312], EftymiouY23[106], PovedaAA23[309], IsikYA23[186], BoudreaultSLQ22[67], GeitzGSSW22[137], CampeauG22[72], GeibingerMM21[136], GodetLHS20[143], AstrandJZ20[22], SacramentoSP20[322], WallaceY20[389], GeibingerMM19[135], MurinR19[273], Laborie18a[221], NishikawaSTT18a[281], CappartS17[73], GelainPRVW17[138], CauwelaertDMS16[76], EvenSH15[111], EvenSH15a[112], BessiereHMqw14[53], GrimesIOS14[152], OzturkTHO13[293], IfrimOS12[185], LombardiBMB11[242], BartakS11[34], TopalogluO11[364], AronssonBK09[15], GarganiR07[125], Lintangyakul07[236], BeniniBGM06[50], GomesHS06[148], KhayatLR06[200], Geske05[139], KovacsEKV05[211], VilimBC05[384], KovacsV04[213], VilimBC04[383], ValleMGTO3[369], Bartak02[33], BeldiceanuC02[42], ElkhyariGJ02a[108], VanczaM01[374], BelhadjiI98[46], Darby-DowmanLMZ97[86], Touraivane95[366]
Benchmarks	real world	abs-2305-19888[170], HeinzNVH22[169], GeibingerMM21[136], KoehlerBFFHPSSS21[205], FrohnerTR19[122], GeibingerMM19[135], abs-1902-09244[160], abs-1911-04766[134], EvenSH15[111], MelgarejoLS15[6], EvenSH15a[112], RendlPHPR12[318], MouraSCL08a[270]	PrataAN23[312], AalianPG23[1], TasselGS23[355], WangB23[391], IsikYA23[186], YuraszeckMCCR23[406], abs-2306-05747[356], OujanaAYB22[292], MullerMKP22[272], ArmstrongGOS21[13], TangB20[352], WessenCS20[394], AstrandJZ20[22], WallaceY20[389], FrimodigS19[121], ParkUJR19[297], LaborieRSV18[222], PourDERB18[308], ShinBBHO18[338], BonfiettiZLM16[64], HechingH16[163], MurphyMB15[274], KelarevaTK13[197], OzturkTHO13[293], LombardiM12[245], BartakS11[34], LopesCSM10[246]	abs-2402-00459[279], Bit-Monnot23[55], JuvinHL23[189], KimCMLLP23[202], PerezGSL23[299], PovedaAA23[309], TardivoDFMP23[354], abs-2312-13682[300], ArmstrongGOS22[14], BoudreaultSLQ22[67], GeitzGSSW22[137], AbreuN22[89], CampeauG22[72], FetgoD22[116], PohlAK22[305], SubulanC22[347], Astrand0F21[20], GeibingerKMMW21[133], HillTV21[175], KovacsTKSG21[215], AbohashimaEG21[2], SacramentoSP20[322], BehrensLM19[40], ColT19[83], Tom19[363], abs-1901-07914[41], DemirovicS18[95], He0GLW18[161], KameugneFGQ18[192], Laborie18a[221], NishikawaSTT18[280], NishikawaSTT18a[281], Madi-WambaLOBM17[252], MossigeGSMC17[269], NattafAL17[277], BoothNB16[65], LimHTB16[234], Madi-WambaB16[251], ZarandiKS16[407], BurtLPS15[70], DejemeppeCS15[92], LombardiBM15[241], ZhouGL15[416], cpaio-GayHS15[130], WangMD15[392], BonfiettiLM14[63], DerrienPZ14[98], GrimesIOS14[152], SerraNM12[335], HeinzSSW12[166], SchuttFSW11[332], TrojetHL11[367], LombardiM10[244], ZebalosQH10[409], AronssonBK09[15], Laborie09[220], LombardiM09[243], SchuttFSW09[331], abs-0907-0939[302], BartlattCG08[31], LauLN08[226], WatsonB08[393], GarridoOS08[127], KrogtLPHJ07[372], KhemmoudjPB06[201], WolfS05[398], KamarainenS02[190], VanczaM01[374], SakkoutW00[325], BeckDF97[37], Darby-DowmanLMZ97[86], ErtIK91[109]
Benchmarks	supplementary material		MontemanniD23[268]	JuvinHHL23[188], TasselGS23[355], abs-2306-05747[356], BoudreaultSLQ22[67], WinterMMW22[396], AntuoriH-HEN21[11], ArmstrongGOS21[13], KovacsTKSG21[215], LacknerMMWW21[223], MengZRZL20[262]
Benchmarks	zenodo	LacknerMMWW23[224], SacramentoSP20[322]		KimCMLLP23[202], WinterMMW22[396], ArmstrongGOS21[13], Simonis07[344], Kumar03[219]
Algorithms	bi partite matching			
Algorithms	edge finder	KameugneFND23[193], FetgoD22[116], KameugneFSN14[195], BaptisteP00[29]	OuelletQ13[289], KelbelH11[198], PapaB98[296]	BaptisteB18[26], BonfiettiZLM16[64], GuSS13[156], SchuttFSW11[332], SchuttFSW09[331], ValleMGTO3[369], SakkoutW00[325], BaptisteP97[28], Zhou97[415]

Table 6: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Algorithms	edge finding	JuvinHHL23[188], KameugneFND23[193], TardivoDFMP23[354], OuelletQ22[291], FetgoD22[116], YangSS19[402], BaptisteB18[26], FahimiOQ18[113], KreterSS17[217], cpaior-GayHS15[130], Kameugne15[191], KameugneFSN14[195], OuelletQ13[289], cpaior-SchuttFS13[329], ClercqPB11[81], KameugneFSN11[194], Vilim11[382], SchuttFSW11[332], Vilim09[380], ArtiouchineB05[18], Hooker05[178], VilimBC05[384], VilimBC04[383], BaptisteP00[29], PapaB98[296], BaptisteP97[28], BeckDF97[37]	BoudreaultSLQ22[67], Tesch18[360], LaborieRSV18[222], CauwelaertDMS16[76], DejemepeCS15[92], LetortCB15[230], LetortCB13[229], LetortBC12[228], LombardiM12[245], LiessM08[232], HoeveGSL07[373], MonetteDD07[265], Vilim04[378], Bartak02[33], SchildW00[327], Zhou97[415]	CampeauG22[72], WallaceY20[389], OuelletQ18[290], NattafAL17[277], Tesch16[359], GayHLS15[128], SialaAH15[340], DerrienP14[97], GuSS13[156], HeinzSB13[168], Ozturk-THO13[293], LimtanyakulS12[237], GrimesH11[150], BeldiceanuCDP11[43], KelbelH11[198], KovacsB11[210], GrimesH10[149], SchuttW10[334], GrimesHM09[151], cpaior-Vilim09[381], abs-0907-0939[302], BeldiceanuCP08[44], KeriK07[199], ArtiguesBF04[16], KovacsV04[213], Sadykov04[323], Vilim03[377], Wolf03[397], Bartak02a[32], Muscettola02[275], Vilim02[376], SakkoutW00[325], Caseau97[75], Zhou96[414], Goltz95[147]
Algorithms	energetic reasoning	OuelletQ22[291], FetgoD22[116], HanenKP21[159], OuelletQ18[290], Tesch18[360], NattafAL17[277], Tesch16[359], cpaior-GayHS15[130], NattafAL15[276], DerrienP14[97], cpaior-SchuttFS13[329], LimtanyakulS12[237], HeinzS11[167], Vilim11[382]	KameugneFND23[193], KameugneFGOQ18[192], SchuttFS13[330]	TardivoDFMP23[354], IsikYA23[186], BoudreaultSLQ22[67], ArmstrongGOS21[13], YangSS19[402], Laborie18a[221], BofilCSV17[57], KameugneFSN14[195], LetortCB13[229], OuelletQ13[289], LombardiM12[245], ClercqPB11[81], LahimerLH11[225], BeldiceanuCDP11[43], Vilim09[380], cpaior-Vilim09[381], abs-0907-0939[302], Limtanyakul07[236], WolfS05[398], BaptisteP00[29], PapaB98[296]
Algorithms	max flow		LopesCSM10[246], MouraSCL08[271], Muscettola02[275]	FanXG21[115], Kumar03[219]
Algorithms	maximum matching		Kumar03[219]	
Algorithms	not first	KameugneFND23[193], KameugneFGOQ18[192], FahimiOQ18[113], cpaior-GayHS15[130], SchuttFSW11[332], ArtiouchineB05[18], VilimBC05[384]	TardivoDFMP23[354], FetgoD22[116], OuelletQ18[290], DejemepeCS15[92], Kameugne15[191], KameugneFSN14[195], OuelletQ13[289], SchuttW10[334], MonetteDD07[265], VilimBC04[383], Wolf03[397]	JuvinHHL23[188], BoudreaultSLQ22[67], OuelletQ22[291], CauwelaertDMS16[76], Tesch16[359], LimtanyakulS12[237], KameugneFSN11[194], Vilim09[380]
Algorithms	not last	KameugneFND23[193], TardivoDFMP23[354], KameugneFGOQ18[192], OuelletQ18[290], FahimiOQ18[113], cpaior-GayHS15[130], SchuttW10[334], ArtiouchineB05[18], Vilim05[379], VilimBC05[384], Vilim04[378], Wolf03[397]	FetgoD22[116], Tesch18[360], DejemepeCS15[92], Kameugne15[191], KameugneFSN14[195], OuelletQ13[289], cpaior-SchuttFS13[329], KameugneFSN11[194], Vilim11[382], SchuttFSW11[332], MonetteDD07[265], VilimBC04[383]	JuvinHHL23[188], BoudreaultSLQ22[67], GeitzGSSW22[137], OuelletQ22[291], GodetLHS20[143], YangSS19[402], CauwelaertDMS16[76], Tesch16[359], LimtanyakulS12[237], GrimesHM09[151], MonetteDH09[266], Vilim09[380], cpaior-Vilim09[381], WolfS05[398], Vilim03[377]
Algorithms	sweep	Tesch18[360], BonfiettiZLM16[64], Tesch16[359], GayHS15[129], LetortCB15[230], NattafAL15[276], SimoninAHL15[342], DerrienPZ14[98], LetortCB13[229], LetortBC12[228], SimoninAHL12[341], ClercqPB11[81], abs-0907-0939[302], BeldiceanuP07[45], Wolf03[397], BeldiceanuC02[42]	FahimiOQ18[113], cpaior-GayHS15[130], AronssonBK09[15], WolfS05[398]	KameugneFND23[193], TardivoDFMP23[354], GeitzGSSW22[137], OuelletQ22[291], FetgoD22[116], KameugneFGOQ18[192], Madi-WambaLOBM17[252], EvenSH15[111], EvenSH15a[112], DerrienP14[97], GaySS14[131], OuelletQ13[289], Vilim11[382], BeldiceanuCDP11[43], BeldiceanuCP08[44], KovacsB08[209], Simonis07[344], VilimBC05[384], Vilim04[378]
Algorithms	time tabling	TardivoDFMP23[354], OuelletQ22[291], DemirovicS18[95], FahimiOQ18[113], cpaior-GayHS15[130], OuelletQ13[289], HeinzS11[167], ElkhyariGJ02a[108], Wallace96[388]	WallaceY20[389], abs-1902-01193[8], OuelletQ18[290], Tesch18[360], BofilGSV15[59], GayHS15[129], Vilim11[382], Bartak02[33]	PrataAN23[312], KameugneFND23[193], LacknerMMWW23[224], FetgoD22[116], GeibingerMM21[136], GodetLHS20[143], GeibingerMM19[135], LiuLH19[238], abs-1911-04766[134], AstrandJZ18[21], KameugneFGOQ18[192], BaptisteB18[26], YoungFS17[403], Tesch16[359], ZarandiKS16[407], GayHLS15[128], LimBTBB15[235], VilimLS15[385], WangMD15[392], BofilEGPSV14[58], KameugneFSN14[195], GuSS13[156], SchuttFS13[330], HeinzSB13[168], BonfiettiLBM12[62], ZhangLS12[413], ChapadosJR11[78], ClercqPB11[81], KameugneFSN11[194], ZibranR11a[419], TopalogluO11[364], GrimesH10[149], Simonis07[344], Tsang03[368], Bartak02a[32], SchildW00[327]

## 7 Examples from Books and Courses

## 8 Benchmark Sets

### 8.1 CSPLib

Table 7: CSPLib scheduling problems

Nr	Name	Description	CP System	Data	Code	Solutions	Classification	Constraints
59	Energy Cost Aware Scheduling	Resource-Constrained Scheduling Problem	-	50 TXT	-	-	RCPSP	
61	RCPSP		PyCSP3	PSPLIB	y	PSPLIB		
73	Test Scheduling Problem		ECLiPSe	840 Prolog	y			
			OPL					
77	Stochastic Assignment and Scheduling Problem		MiniZinc	9 DZN	y			

## 9 Other Examples

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