

CP Papers on Scheduling

Helmut Simonis

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1 Introduction

2 Conference Paper List

Table 1 lists relevant papers on CP and Scheduling from the CP and CPAIOR conferences. It gives the author names and title of the paper, the reference to the published paper, the year and conference or journal where the paper was published. It also lists the CP systems that were used in the paper, and states if data and/or code of the paper is available online. A link to the stored location is given where it is known.

Table 1: List of Conference Papers

Authors	Title	Cite	Year	Conference	Pages	CP System	Data Avail	Code Avail	Based On	Classification	Constraints
C. Juvin, E. Hebrard, L. Houssin, P. Lopez	An Efficient Constraint Programming Approach to Preemptive Job Shop Scheduling	[188]	2023	CP	16	CP Opt Mistral	ref	y		PJSSP	endBeforeStart span noOverlap
G. Pováda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource-Constrained Project Scheduling with Generalized Precedence Relations and Calendars	[309]	2023	CP	21	CP Opt MiniZinc Chuffed	y	y		PP-MS- MMRCPSP/n cal	
Y. Aalian, G. Pesant, M. Gamache	Optimization of Short-Term Underground Mine Planning Using Constraint Programming	[1]	2023	CP	16	CP Opt	n	n			?
R. Kameugne, S. Fetgo, T. Noulamo, C. Djamégni	Horizontally Elastic Edge Finder Rule for Cumulative Constraint Based on Slack and Density	[193]	2023	CP	17	?	BL PSPLib	n	-	RCPSPs	cumulative
N. Efthymiou, N. Yorke-Smith	Predicting the Optimal Period for Cyclic Hoist Scheduling Problems	[106]	2023	CPAIOR	16	OR-Tools	n	n	-	CHSP	-
S. Squillaci, C. Pralet, S. Roussel	Scheduling Complex Observation Requests for a Constellation of Satellites: Large Neighborhood Search Approaches	[346]	2023	CPAIOR	17	Cplex Studio	y	n	-	EOSP	?
D. Kim, Y. Choi, K. Moon, M. Lee, K. Lee, M. Pinedo	Iterated Greedy Constraint Programming for Scheduling Steelmaking Continuous Casting	[202]	2023	CPAIOR	16	Gurobi OR-Tools	y	n	-	SCC	alternative noOverlap
C. Juvin, L. Houssin, P. Lopez	Constraint Programming for the Robust Two-Machine Flow-Shop Scheduling Problem with Budgeted Uncertainty	[189]	2023	CPAIOR	16	CP Opt Cplex	ref	n	-	Perm FSSP	endBeforeStart noOverlap sameSequence
F.Tardivo, A. Dovier, A. Formisano, L. Michel, E.Pontelli	Constraint Propagation on GPU: A Case Study for the Cumulative Constraint	[354]	2023	CPAIOR	18	MiniCPP MiniZinc	PSPLib BL Pack	y	-	RCPSP	cumulative

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Authors	Title	Cite	Year	Conference	Pages	CP System	Data Avail	Code Avail	Based On	Classification	Constraints
R. Boudreault, V. Simard, D. Lafond, C. Quimper	A Constraint Programming Approach to Ship Re-fit Project Scheduling	[67]	2022	CP	16	MiniZinc Chuffed		y	-	RCPSP	cumulative
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	15	CP Opt	n	n	-	TMS	alwaysIn noOverlap
F. Winter, S. Meiswinkel, N. Musliu, D. Walkiewicz	Modeling and Solving Parallel Machine Scheduling with Contamination Constraints in the Agricultural Industry	[396]	2022	CP	18	Cplex Gurobi CP Opt Sim Anneal	y	y	-	PMSP	alternative noOverlap
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	13	CP Opt	(y)	-	[13]	$HFFm tt C_m$	endBeforeStart alternative cumulative noOverlap
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	18	firstCS QUBO	y	n	-	JSSP	
Y. Ouellet, C. Quimper	A MinCumulative Resource Constraint	[291]	2022	CPAIOR	17	Choco	y	y	-		cumulative minCumulative
E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	[13]	2021	CP	18	MiniZinc Chuffed CP Opt SICStus	y	y	-	$HFFm tt C_m$	cumulative diffn table
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	16	MCTS	y	y	[]		
B. Kovács, P. Tassel, W. Kohlenbrein, P. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing	[215]	2021	CP	17	Gurobi Cplex CP Opt	y	y	-		cumulative
M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Minimizing Cumulative Batch Processing Time for an Industrial Oven Scheduling Problem	[223]	2021	CP	18	OR-Tools CP Opt Chuffed OR-Tools Gurobi OPL	y	y		OSP	
A. Hill, J. Ticktin, T. Vossen	A Computational Study of Constraint Programming Approaches for Resource-Constrained Project Scheduling with Autonomous Learning Effects	[175]	2021	CPAIOR	16	CP Opt	PSPlib	n	-	RCPSP	cumulative alternative endBeforeStart
C. Klanke, D. Bleidorn, V. Yfantis, S.Engell	Combining Constraint Programming and Temporal Decomposition Approaches - Scheduling of an Industrial Formulation Plant	[203]	2021	CPAIOR	16	OR-Tools	n	n	-		cumulative circuit noOverlap
C. Hanen, A. Kordon, T. Pedersen	Two Deadline Reduction Algorithms for Scheduling Dependent Tasks on Parallel Processors	[159]	2021	CPAIOR	17	Python	ref	n	-	$P prec, r_i, d_i $	-
M. Åstrand, M. Johansson, H.Feyzmahdavian	Short-Term Scheduling of Production Fleets in Underground Mines Using CP-Based LNS	[20]	2021	CPAIOR	18	Gecode	ref generated	n	-		-
T. Geibinger, L. Kletzander, M. Krainz, F. Mischek, N. Musliu, F. Winter	Physician Scheduling During a Pandemic	[133]	2021	CPAIOR	10	MiniZinc	y	n	-		nvalue
M. Nattaf, A. Malapert	Filtering Rules for Flow Time Minimization in a Parallel Machine Scheduling Problem	[278]	2020	CP	16	Cplex CP Opt	-	-	[]	PTC	alternative noOverlap
L. Groleaz, S. Ndiaye, C. Solnon	Solving the Group Cumulative Scheduling Problem with CPO and ACO	[154]	2020	CP	17	CP Opt ACO	-	-	[154]	GCSP	group cumulative
A. Mercier-Aubin, J. Gaudreault, C. Quimper	Leveraging Constraint Scheduling: A Case Study to the Textile Industry	[263]	2020	CPAIOR	13	MiniZinc Chuffed	a	a	-		circuit cumulative

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Authors	Title	Cite	Year	Conference	Pages	CP System	Data Avail	Code Avail	Based On	Classification	Constraints
T. Tang, C. Beck	CP and Hybrid Models for Two-Stage Batching and Scheduling	[352]	2020	CPAIOR	16	Cplex CP Opt Gecode	n	n	-	2BPHFSP	span alwaysIn circuit alldifferent
J. Wessén, M. Carlsson, C. Schulte	Scheduling of Dual-Arm Multi-tool Assembly Robots and Workspace Layout Optimization	[394]	2020	CPAIOR	10		n	n	-		noOverlap
G. Col, E. Teppan	Industrial Size Job Shop Scheduling Tackled by Present Day CP Solvers	[83]	2019	CP	17	CP Opt OR-Tools Mini-Zinc Gecode Cplex	y	y	-	JSSP	
S. Frimodig, C. Schulte	Models for Radiation Therapy Patient Scheduling	[121]	2019	CP	17		n	n	-		cumulative regular bin-packing
C. Galleguillos, Z. Kiziltan, A. Sîrbu, Ö. Babaoglu	Constraint Programming-Based Job Dispatching for Modern HPC Applications	[124]	2019	CP	18	OR-Tools		y		on-line dispatch	
S. Murín, H. Rudová	Scheduling of Mobile Robots Using Constraint Programming	[273]	2019	CP	16	CP Opt Cplex OPT	y	y		JSPT	endBeforeStart alternative noOverlap
A. Tesch	Improving Energetic Propagations for Cumulative Scheduling	[360]	2018	CP	17						
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	18						
M. Bofill, J. Coll, J. Suy, M. Villaret	An Efficient SMT Approach to Solve MR-CPSP/max Instances with Tight Constraints on Resources	[57]	2017	CP	9						
C. Pralet	An Incomplete Constraint-Based System for Scheduling with Renewable Resources	[310]	2017	CP	19						
K. Young, T. Feydy, A. Schutt	Constraint Programming Applied to the Multi-Skill Project Scheduling Problem	[403]	2017	CP	10						
A. Goldwaser, A. Schutt	Optimal Torpedo Scheduling	[146]	2017	CP	16						
T. Liu, R. Di Cosmo, M. Gabbrielli, J. Mauro	NightSplitter: A Scheduling Tool to Optimize (Sub)group Activities	[239]	2017	CP	17						
M. Mossige, A. Gotlieb, H. Spieker, H. Meling, M. Carlsson	Time-Aware Test Case Execution Scheduling for Cyber-Physical Systems	[269]	2017	CP	18						
J. Hooker	Job Sequencing Bounds from Decision Diagrams	[181]	2017	CP	14						
A. Bonfietti, A. Zanarini, M. Lombardi, M. Milano	The Multirate Resource Constraint	[64]	2016	CP	17						
A. Schutt, P. Stuckey	Explaining Producer/Consumer Constraints	[333]	2016	CP	17						
R. Szeredi, A. Schutt	Modelling and Solving Multi-mode Resource-Constrained Project Scheduling	[351]	2016	CP	10						
A. Tesch	A Nearly Exact Propagation Algorithm for Energetic Reasoning in $\mathcal{O}(n^2 \log n)$	[359]	2016	CP	26						
S. Van Cauwelaert, C. Dejemeppe, J. Monette, P. Schaus	Efficient Filtering for the Unary Resource with Family-Based Transition Times	[76]	2016	CP	16						
K. Booth, G. Nejat, C. Beck	A Constraint Programming Approach to Multi-Robot Task Allocation and Scheduling in Retirement Homes	[65]	2016	CP	17						
K. Giles, W. van Hoeve	Solving a Supply-Delivery Scheduling Problem with Constraint Programming	[140]	2016	CP	16						
B. Lim, H. Hijazi, S. Thiébaux, M. van den Briel	Online HVAC-Aware Occupancy Scheduling with Adaptive Temperature Control	[234]	2016	CP	18						
C. Dejemeppe, S. Van Cauwelaert, P. Schaus	The Unary Resource with Transition Times	[92]	2015	CP	16						

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S. Gay, R. Hartert, C. Lecoutre, P. Schaus	Conflict Ordering Search for Scheduling Problems	[128]	2015	CP	9						
S. Gay, R. Hartert, P. Schaus	Simple and Scalable Time-Table Filtering for the Cumulative Constraint	[129]	2015	CP	9						
S. Kreter, A. Schutt, P. Stuckey	Modeling and Solving Project Scheduling with Calendars	[216]	2015	CP	17						
M. Lombardi, A. Bonfietti, M. Milano	Deterministic Estimation of the Expected Makespan of a POS Under Duration Uncertainty	[241]	2015	CP	16						
M. Siala, C. Artigues, E. Hebrard	Two Clause Learning Approaches for Disjunctive Scheduling	[340]	2015	CP	10						
C. Even, A. Schutt, P. Van Hentenryck	A Constraint Programming Approach for Non-preemptive Evacuation Scheduling	[111]	2015	CP	18						
S. Murphy, O. Manzano, K. Brown	Design and Evaluation of a Constraint-Based Energy Saving and Scheduling Recommender System	[274]	2015	CP	17						
C. Pralet, S. Lemaï-Chenevier, J. Jaubert	Scheduling Running Modes of Satellite Instruments Using Constraint-Based Local Search	[311]	2015	CP	16						
A. Derrien, T. Petit	A New Characterization of Relevant Intervals for Energetic Reasoning	[97]	2014	CP	9						
A. Derrien, T. Petit, S. Zampelli	A Declarative Paradigm for Robust Cumulative Scheduling	[98]	2014	CP	9						
V. Houndji, P. Schaus, L. Wolsey, Y. Deville	The StockingCost Constraint	[183]	2014	CP	16						
A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano	Proactive Workload Dispatching on the EU-RORA Supercomputer	[35]	2014	CP	16						
M. Bofill, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret	Scheduling B2B Meetings	[58]	2014	CP	16						
S. Di Alesio, S. Nejati, L. Briand, A. Gotlieb	Worst-Case Scheduling of Software Tasks - A Constraint Optimization Model to Support Performance Testing	[99]	2014	CP	18						
S. Gay, P. Schaus, V. De Smedt	Continuous Casting Scheduling with Constraint Programming	[131]	2014	CP	15						
P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint	[289]	2013	CP	16						
A. Schutt, T. Feydy, P. Stuckey	Scheduling Optional Tasks with Explanation	[330]	2013	CP	17						
G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission	[341]	2012	CP	15	MOST Ilog Scheduler	n	n	-		cumulative dataTransfer
A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint	[228]	2012	CP							
T. Serra, G. Nishioka, F. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach	[335]	2012	CP							
G. Ifrim, B. O’Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling	[185]	2012	CP							
F. Hermenier, S. Demasse, X. Lorca	Bin Repacking Scheduling in Virtualized Data-centers	[174]	2011	CP							
A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP	[61]	2011	CP							
A. De Clercq, T. Petit, N. Beldiceanu, N. Jussien	Filtering Algorithms for Discrete Cumulative Problems with Overloads of Resource	[81]	2011	CP							

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D. Grimes, E. Hebrard	Models and Strategies for Variants of the Job Shop Scheduling Problem	[150]	2011	CP							
R. Kameugne, L. Fotso, J. Scott, Y. Ngo-Kateu	A Quadratic Edge-Finding Filtering Algorithm for Cumulative Resource Constraints	[194]	2011	CP							
M. Lombardi, M. Milano	Constraint Based Scheduling to Deal with Uncertain Durations and Self-Timed Execution	[244]	2010	CP							
A. Schutt, A. Wolf	A New $O(n^2 \log n)$ Not-First/Not-Last Pruning Algorithm for Cumulative Resource Constraints	[334]	2010	CP							
P. Baptiste	Constraint-Based Schedulers, Do They Really Work?	[25]	2009	CP							
D. Grimes, E. Hebrard, A. Malapert	Closing the Open Shop: Contradicting Conventional Wisdom	[151]	2009	CP							
M. Lombardi, M. Milano	A Precedence Constraint Posting Approach for the RCPSp with Time Lags and Variable Durations	[243]	2009	CP							
A. Schutt, T. Feydy, P. Stuckey, M. Wallace	Why Cumulative Decomposition Is Not as Bad as It Sounds	[331]	2009	CP							
P. Vilím	Edge Finding Filtering Algorithm for Discrete Cumulative Resources in $O(kn \log n)$	[380]	2009	CP							
A. Moura, C. de Souza, A. Ciré, T. Lopes	Planning and Scheduling the Operation of a Very Large Oil Pipeline Network	[271]	2008	CP							
A. 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							
A. Gargani, P. Refalo	An Efficient Model and Strategy for the Steel Mill Slab Design Problem	[125]	2007	CP							
R. van der Krogt, J. Little, K. Pulliam, S. Hanhnammi, Y. Jin	Scheduling for Cellular Manufacturing	[372]	2007	CP							
M. Khemmoudj, M. Porcheron, H. Ben-naceur	When Constraint Programming and Local Search Solve the Scheduling Problem of Electricité de France Nuclear Power Plant Outages	[201]	2006	CP							
K. Artouchine, P. Baptiste	Inter-distance Constraint: An Extension of the All-Different Constraint for Scheduling Equal Length Jobs	[18]	2005	CP							
J. Fortin, P. Zielinski, D. Dubois, H. Fargier	Interval Analysis in Scheduling	[118]	2005	CP							
J. Hooker	Planning and Scheduling to Minimize Tardiness	[179]	2005	CP							
B. Dilkina, L. Duan, W. Havens	Extending Systematic Local Search for Job Shop Scheduling Problems	[100]	2005	CP							
M. Abril, M. Salido, F. Barber	Distributed Constraints for Large-Scale Scheduling Problems	[3]	2005	CP							
T. Carchrae, C. Beck, E. Freuder	Methods to Learn Abstract Scheduling Models	[74]	2005	CP							
C. Wu, K. Brown, C. Beck	Scheduling with Uncertain Start Dates	[401]	2005	CP							
E. Hebrard, P. Tyler, T. Walsh	Computing Super-Schedules	[162]	2005	CP							
A. Kovács, P. Egri, T. Kis, J. Váncza	Proterv-II: An Integrated Production Planning and Scheduling System	[211]	2005	CP							
P. Vilím, R. Barták, O. Cepek	Unary Resource Constraint with Optional Activities	[383]	2004	CP							
J. Hooker	A Hybrid Method for Planning and Scheduling	[177]	2004	CP							

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A. Kovács, J. Váncza	Completable Partial Solutions in Constraint Programming and Constraint-Based Scheduling	[213]	2004	CP							
A. Lim, B. Rodrigues, Z. Xu	Solving the Crane Scheduling Problem Using Intelligent Search Schemes	[233]	2004	CP							
A. Oddi, N. Policella, A. Cesta, G. Cortellessa	Generating High Quality Schedules for a Spacecraft Memory Downlink Problem	[288]	2003	CP							
S. Kumar	Incremental Computation of Resource-Envelopes in Producer-Consumer Models	[219]	2003	CP							
A. Wolf	Pruning while Sweeping over Task Intervals	[397]	2003	CP							
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							
P. Vilím	Computing Explanations for Global Scheduling Constraints	[377]	2003	CP							
N. Beldiceanu, M. Carlson	A New Multi-resource cumulatives Constraint with Negative Heights	[42]	2002	CP							
N. Muscettola	Computing the Envelope for Stepwise-Constant Resource Allocations	[275]	2002	CP							
O. Kamarainen, H. El Sakkout	Local Probing Applied to Scheduling	[190]	2002	CP							
R. Barták	Visopt ShopFloor: On the Edge of Planning and Scheduling	[33]	2002	CP							
J. Hooker, H. Yan	A Relaxation of the Cumulative Constraint	[182]	2002	CP							
A. Elkhayari, C. Guéret, N. Jussien	Conflict-Based Repair Techniques for Solving Dynamic Scheduling Problems	[107]	2002	CP							
P. Vilím	Batch Processing with Sequence Dependent Setup Times	[376]	2002	CP							
G. Verfaillie, M. Lemaître	Selecting and Scheduling Observations for Agile Satellites: Some Lessons from the Constraint Reasoning Community Point of View	[375]	2001	CP							
J. Váncza, A. Márkus	A Constraint Engine for Manufacturing Process Planning	[374]	2001	CP							
O. Angelsmark, P. Jonsson	Some Observations on Durations, Scheduling and Allen's Algebra	[10]	2000	CP							
R. Rodosek, M. Wallace	A Generic Model and Hybrid Algorithm for Hoist Scheduling Problems	[320]	1998	CP							
A. Cesta, A. Oddi, S. Smith	Scheduling Multi-capacitated Resources Under Complex Temporal Constraints	[77]	1998	CP							
D. Frost, R. Dechter	Optimizing with Constraints: A Case Study in Scheduling Maintenance of Electric Power Units	[123]	1998	CP							
Y. Caseau	Using Constraint Propagation for Complex Scheduling Problems: Managing Size, Complex Resources and Travel	[75]	1997	CP							
P. Baptiste, C. Le Pape	Constraint Propagation and Decomposition Techniques for Highly Disjunctive and Highly Cumulative Project Scheduling Problems	[28]	1997	CP							
C. Beck, A. Davenport, M. Fox	Five Pitfalls of Empirical Scheduling Research	[37]	1997	CP							
Y. Colombani	Constraint Programming: an Efficient and Practical Approach to Solving the Job-Shop Problem	[84]	1996	CP							
J. Zhou	A Constraint Program for Solving the Job-Shop Problem	[414]	1996	CP							
H. Simonis, T. Cornelissens	Modelling Producer/Consumer Constraints	[345]	1995	CP							

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H. Goltz	Reducing Domains for Search in CLP(FD) and Its Application to Job-Shop Scheduling	[147]	1995	CP							
H. Simonis	The CHIP System and Its Applications	[343]	1995	CP							
J. Puget	Applications of Constraint Programming	[313]	1995	CP							
Touraivane	Constraint Programming and Industrial Applications	[366]	1995	CP							
T. Geibinger, F. Mischek, N. Musliu	Investigating Constraint Programming for Real World Industrial Test Laboratory Scheduling	[135]	2019	CPAIOR	16						
A. Malapert, M. Nattaf	A New CP-Approach for a Parallel Machine Scheduling Problem with Time Constraints on Machine Qualifications	[254]	2019	CPAIOR	17						
P. van den Bogaerd, M. de Weerd	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams	[371]	2019	CPAIOR	16						
M. Yang, A. Schutt, P. Stuckey	Time Table Edge Finding with Energy Variables	[402]	2019	CPAIOR	10						
O. Benedikt, P. Sucha, I. Módos, M. Vlk, Z. Hanzálek	Energy-Aware Production Scheduling with Power-Saving Modes	[49]	2018	CPAIOR	10						
E. Demirovic, P. Stuckey	Constraint Programming for High School Timetabling: A Scheduling-Based Model with Hot Starts	[95]	2018	CPAIOR	18						
R. Kameugne, S. Fetgo, V. Gingras, Y. Ouellet, C. Quimper	Horizontally Elastic Not-First/Not-Last Filtering Algorithm for Cumulative Resource Constraint	[192]	2018	CPAIOR	17						
P. Laborie	An Update on the Comparison of MIP, CP and Hybrid Approaches for Mixed Resource Allocation and Scheduling	[221]	2018	CPAIOR	9						
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	18						
M. Åstrand, M. Johansson, A. Zanarini	Fleet Scheduling in Underground Mines Using Constraint Programming	[21]	2018	CPAIOR	9						
Q. Cappart, P. Schaus	Rescheduling Railway Traffic on Real Time Situations Using Time-Interval Variables	[73]	2017	CPAIOR	16						
L. Kletzander, N. Musliu	A Multi-stage Simulated Annealing Algorithm for the Torpedo Scheduling Problem	[204]	2017	CPAIOR	15						
M. Gelain, M. Pini, F. Rossi, K. Venable, T. Walsh	A Local Search Approach for Incomplete Soft Constraint Problems: Experimental Results on Meeting Scheduling Problems	[138]	2017	CPAIOR	16						
D. Fontaine, L. Michel, P. Van Hentenryck	Parallel Composition of Scheduling Solvers	[117]	2016	CPAIOR	11						
A. Heching, J. Hooker	Scheduling Home Hospice Care with Logic-Based Benders Decomposition	[163]	2016	CPAIOR	11						
G. Madi-Wamba, N. Beldiceanu	The TaskIntersection Constraint	[251]	2016	CPAIOR	16						
P. Aguiar-Melgarejo, P. Laborie, C. Solnon	A Time-Dependent No-Overlap Constraint: Application to Urban Delivery Problems	[6]	2015	CPAIOR	17						
M. Boffill, M. Garcia, J. Suy, M. Villaret	MaxSAT-Based Scheduling of B2B Meetings	[59]	2015	CPAIOR	9						
C. Burt, N. Lipovetzky, A. Pearce, P. Stuckey	Scheduling with Fixed Maintenance, Shared Resources and Nonlinear Feedrate Constraints: A Mine Planning Case Study	[70]	2015	CPAIOR	17						
S. Gay, R. Hartert, P. Schaus	Time-Table Disjunctive Reasoning for the Cumulative Constraint	[130]	2015	CPAIOR	16						

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B. Lim, M. van den Briel, S. Thiébaux, R. Bent, S. Backhaus	Large Neighborhood Search for Energy Aware Meeting Scheduling in Smart Buildings	[235]	2015	CPAIOR	15						
G. Pesant, G. Rix, L. Rousseau	A Comparative Study of MIP and CP Formulations for the B2B Scheduling Optimization Problem	[301]	2015	CPAIOR	16						
P. Vilím, P. Laborie, P. Shaw	Failure-Directed Search for Constraint-Based Scheduling	[385]	2015	CPAIOR	17						
S. Kosch, C. Beck	A New MIP Model for Parallel-Batch Scheduling with Non-identical Job Sizes	[208]	2014	CPAIOR	16						
A. Bonfietti, M. Lombardi, M. Milano	Disregarding Duration Uncertainty in Partial Order Schedules? Yes, We Can!	[63]	2014	CPAIOR	16						
C. Dejemeppe, Y. Deville	Continuously Degrading Resource and Interval Dependent Activity Durations in Nuclear Medicine Patient Scheduling	[93]	2014	CPAIOR	9						
C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh	Buffered Resource Constraint: Algorithms and Complexity	[53]	2014	CPAIOR	16						
S. Doulabi, L. Rousseau, G. Pesant	A Constraint Programming-Based Column Generation Approach for Operating Room Planning and Scheduling	[103]	2014	CPAIOR	9						
S. Heinz, W. Ku, C. Beck	Recent Improvements Using Constraint Integer Programming for Resource Allocation and Scheduling	[165]	2013	CPAIOR	16						
E. Kelareva, K. Tierney, P. Kilby	CP Methods for Scheduling and Routing with Time-Dependent Task Costs	[197]	2013	CPAIOR	17	MiniZinc CPX G12FD SICStus Choco	ref	-	-	LSFRP BPCTOP	alldifferent alldifferentExcept0
A. Letort, M. Carlsson, N. Beldiceanu	A Synchronized Sweep Algorithm for the k -dimensional cumulative Constraint	[229]	2013	CPAIOR	16		PSplib	-	-	RCPSP	cumulative kDimensionalCumulative
A. Schutt, T. Feydy, P. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint	[329]	2013	CPAIOR	17	Mercury G12	PSplib AT BL Pack KSD15D PackD dead	-	-	RCPSP	cumulative
A. A. Ciré, E. Coban, J. Hooker	Mixed Integer Programming vs. Logic-Based Benders Decomposition for Planning and Scheduling	[80]	2013	CPAIOR	7	CP Opt Cplex		n	-		
H. Gu, A. Schutt, P. Stuckey	A Lagrangian Relaxation Based Forward-Backward Improvement Heuristic for Maximising the Net Present Value of Resource-Constrained Projects	[156]	2013	CPAIOR	7	Chuffed	dead		-	RCPSPDC	cumulative maxNVPPProp
J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem	[54]	2012	CPAIOR							
A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint	[62]	2012	CPAIOR							
S. Heinz, C. Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling	[164]	2012	CPAIOR							
A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, G. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling	[318]	2012	CPAIOR							
A. Schutt, G. Chu, P. Stuckey, M. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling	[328]	2012	CPAIOR							

Table 1: List of Conference Papers

Authors	Title	Cite	Year	Conference	Pages	CP System	Data Avail	Code Avail	Based On	Classification	Constraints
N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization	[78]	2011	CPAIOR							
E. Edis, C. Oguz	Parallel Machine Scheduling with Additional Resources: A Lagrangian-Based Constraint Programming Approach	[105]	2011	CPAIOR							
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							
M. Lombardi, A. Bonfietti, M. Milano, L. Benini	Precedence Constraint Posting for Cyclic Scheduling Problems	[242]	2011	CPAIOR							
P. Vilím	Timetable Edge Finding Filtering Algorithm for Discrete Cumulative Resources	[382]	2011	CPAIOR							
E. Coban, J. Hooker	Single-Facility Scheduling over Long Time Horizons by Logic-Based Benders Decomposition	[82]	2010	CPAIOR							
A. Davenport	Integrated Maintenance Scheduling for Semiconductor Manufacturing	[87]	2010	CPAIOR							
D. Grimes, E. Hebrard	Job Shop Scheduling with Setup Times and Maximal Time-Lags: A Simple Constraint Programming Approach	[149]	2010	CPAIOR							
T. Berthold, S. Heinz, M. Lübbecke, R. Möhring, J. Schulz	A Constraint Integer Programming Approach for Resource-Constrained Project Scheduling	[52]	2010	CPAIOR							
P. Laborie	IBM ILOG CP Optimizer for Detailed Scheduling Illustrated on Three Problems	[220]	2009	CPAIOR							
P. Vilím	Max Energy Filtering Algorithm for Discrete Cumulative Resources	[381]	2009	CPAIOR							
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							
N. Beldiceanu, M. Carlson, E. Poder	New Filtering for the cumulative Constraint in the Context of Non-Overlapping Rectangles	[44]	2008	CPAIOR							
G. Dooms, P. Van Hentenryck	Gap Reduction Techniques for Online Stochastic Project Scheduling	[102]	2008	CPAIOR							
J. Watson, C. Beck	A Hybrid Constraint Programming / Local Search Approach to the Job-Shop Scheduling Problem	[393]	2008	CPAIOR							
A. Barlatt, A. Cohn, O. Gusikhin	A Hybrid Approach for Solving Shift-Selection and Task-Sequencing Problems	[31]	2008	CPAIOR							
H. Lau, K. Lye, V. Nguyen	A Combinatorial Auction Framework for Solving Decentralized Scheduling Problems (Extended Abstract)	[226]	2008	CPAIOR							
P. Van Hentenryck, L. Michel	The Steel Mill Slab Design Problem Revisited	[173]	2008	CPAIOR							
A. Kéri, T. Kis	Computing Tight Time Windows for RCPSP-WET with the Primal-Dual Method	[199]	2007	CPAIOR							
J. Monette, Y. Deville, P. Dupont	A Position-Based Propagator for the Open-Shop Problem	[265]	2007	CPAIOR							
N. Beldiceanu, E. Poder	A Continuous Multi-resources <i>cumulative</i> Constraint with Positive-Negative Resource Consumption-Production	[45]	2007	CPAIOR							
R. Rossi, A. Tarim, B. Hnich, S. Prestwich	Replenishment Planning for Stochastic Inventory Systems with Shortage Cost	[321]	2007	CPAIOR							

Table 1: List of Conference Papers

Authors	Title	Cite	Year	Conference	Pages	CP System	Data Avail	Code Avail	Based On	Classification	Constraints
J. van den Akker, G. Diepen, J. Hoogeveen	A Column Generation Based Destructive Lower Bound for Resource Constrained Project Scheduling Problems	[370]	2007	CPAIOR							
L. Benini, D. Bertozzi, A. Guerri, M. Milano	Allocation, Scheduling and Voltage Scaling on Energy Aware MPSoCs	[50]	2006	CPAIOR							
A. Kovács, J. Váncza	Progressive Solutions: A Simple but Efficient Dominance Rule for Practical RCPSP	[214]	2006	CPAIOR							
Y. Chu, Q. Xia	A Hybrid Algorithm for a Class of Resource Constrained Scheduling Problems	[79]	2005	CPAIOR							
J. Frank, E. Kürklü	Mixed Discrete and Continuous Algorithms for Scheduling Airborne Astronomy Observations	[119]	2005	CPAIOR							
P. Vilím	Computing Explanations for the Unary Resource Constraint	[379]	2005	CPAIOR							
C. Maravelias, I. Grossmann	Using MILP and CP for the Scheduling of Batch Chemical Processes	[257]	2004	CPAIOR							
C. Artigues, S. Belmokhtar, D. Feillet	A New Exact Solution Algorithm for the Job Shop Problem with Sequence-Dependent Setup Times	[16]	2004	CPAIOR							
P. Van Hentenryck, L. Michel	Scheduling Abstractions for Local Search	[172]	2004	CPAIOR							
P. Vilím	O(n log n) Filtering Algorithms for Unary Resource Constraint	[378]	2004	CPAIOR							
R. Sadykov	A Hybrid Branch-And-Cut Algorithm for the One-Machine Scheduling Problem	[323]	2004	CPAIOR							
A. Bit-Monnot	Enhancing Hybrid CP-SAT Search for Disjunctive Scheduling	[55]	2023	ECAI	8	ARIES CP Opt OR-Tools Mistral FaCiLe	y	y	-	JSSP OSSP	-
R. Wang, N. Barnier	Dynamic All-Different and Maximal Cliques Constraints for Fixed Job Scheduling	[391]	2023	ICTAI	8	FaCiLe	(y)	n	[390]	FJS	-
R. Wang, N. Barnier	Global Propagation of Transition Cost for Fixed Job Scheduling	[390]	2020	ECAI	8	FaCiLe	y	n	-	FJS	-

3 Journal Articles

Table 2: List of Journal Articles

Authors	Title	Cite	Year	Journal	Pages	CP System	Data Avail	Code Avail	Based On	Classification	Constraints
B. Prata, L. Abreu, M. Nagano	Applications of constraint programming in production scheduling problems: A descriptive bibliometric analysis	[312]	2023	Results in Control and Optimization	17	-	-	-	-	survey	-
M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter	Exact methods for the Oven Scheduling Problem	[224]	2023	Constraints	42	MiniZinc OPL	DZN JSON	y	[223]	OSP	alternative noOverlap forbidExtent
J. Caballero	Scheduling through logic-based tools	[71]	2023	Constraints	1	SAT	-	-	PhD Thesis	RCPSP	-

Table 2: List of Journal Articles

Authors	Title	Cite	Year	Journal	Pages	CP System	Data Avail	Code Avail	Based On	Classification	Constraints
L. Campeau, M. Gamache	Short- and medium-term optimization of underground mine planning using constraint programming	[72]	2022	Constraints	18	CP Opt	ref	n			pulse alwaysIn endBeforeStart noOverlap alldifferent inverse
J. Koehler, J. Bürgler, U. Fontana, E. Fux, F. 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	51	CP Opt OR-Tools Chuffed Cplex Gurobi Z3 OptiMathSat	DZN	y	-	CTW	
O. Benedikt, I. Módos, Z. Hanzálek	Power of pre-processing: production scheduling with variable energy pricing and power-saving states	[48]	2020	Constraints	19	CP Opt Gurobi	JSON	y			
M. Wallace, N. Yorke-Smith	A new constraint programming model and solving for the cyclic hoist scheduling problem	[389]	2020	Constraints	19	MiniZinc	DZN	y		CHSP	
P. Laborie, J. Rogerie, P. Shaw, P. Vilim	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG	[222]	2018	Constraints	41	OP Opt	-	-	-	-	-
H. Fahimi, Y. Ouellet, C. Quimper	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last	[113]	2018	Constraints	22	Choco	(y)	n		RCPSP	disjunctive cumulative
S. Kreter, A. Schutt, P. Stuckey	Using constraint programming for solving RCPSP/max-cal	[217]	2017	Constraints	31	MiniZinc Chuffed Cplex	dead		CP 2015	RCPSP	cumulative cumulativeCalendar
M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions	[277]	2017	Constraints	18	Cplex	n	n	-	CECSP	-
G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration	[342]	2015	Constraints	23	MOST Ilog Scheduler	n	n	[341]		cumulative dataTransfer
A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints	[230]	2015	Constraints	52	Choco SICStus	dead	-	-	-	cumulative dimCumulative dimCumulativePrecedences
M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints	[276]	2015	Constraints	21	Cplex	n	n		CSCSP	
M. Siala	Search, propagation, and learning in sequencing and scheduling problems	[339]	2015	Constraints	2	-	-	-	PhD Thesis		
R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling	[191]	2015	Constraints	2	-	-	-	PhD Thesis	RCPSP	
R. Kameugne, L. Fotso, J. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints	[195]	2014	Constraints	27	Gecode	y		CP 2011	CuSP	cumulative
S. Heinz, J. Schulz, C. Beck	Using dual presolving reductions to reformulate cumulative constraints	[168]	2013	Constraints	36	Cplex SCIP	ref	-	-	RCPSP RCPSP/max	cumulative
C. Öztürk, S. Tunali, B. Hnich, A. Ornek	Balancing and scheduling of flexible mixed model assembly lines	[293]	2013	Constraints	36	Ilog Solver Ilog Scheduler Cplex	y	-	-	SBSFMMAL	alldifferent disjunctive
S. Heinz, T. Schlechte, R. Stephan, M. Winkler	Solving steel mill slab design problems	[166]	2012	Constraints	12		Cplex	dead	-	SMSDP	-
M. Lombardi, M. Milano	Optimal methods for resource allocation and scheduling: a cross-disciplinary survey	[245]	2012	Constraints	35	-	-	-	-	survey	-
K. Limtanyakul, U. Schwiegelshohn	Improvements of constraint programming and hybrid methods for scheduling of tests on vehicle prototypes	[237]	2012	Constraints	32	Cplex Ilog Scheduler	dead	-	-		
A. Kovács, C. Beck	A global constraint for total weighted completion time for unary resources	[210]	2011	Constraints	24	Ilog Scheduler	n	n	-		Completion

Table 2: List of Journal Articles

Authors	Title	Cite	Year	Journal	Pages	CP System	Data Avail	Code Avail	Based On	Classification	Constraints
P. Schaus, P. Van Hen- tenryck, J. Monette, C. Coffrin, L. Michel, Y. Dewille	Solving Steel Mill Slab Problems with constraint- based techniques: CP, LNS, and CBLS	[326]	2011	Constraints	23	Comet	dead			SMSDP	
R. Barták, M. Salido	Constraint satisfaction for planning and schedul- ing problems	[34]	2011	Constraints	5	-	-	-		survey	
A. Schutt, T. Feydy, P. Stuckey, M. Wallace	Explaining the cumulative propagator	[332]	2011	Constraints	33	MiniZinc	PSPLib	-	-	RCPSP	cumulative
A. Kovács, T. Kis	Constraint programming approach to a bilevel scheduling problem	[212]	2011	Constraints	24	Ilog Solver	n	n	-	Bilevel Opt	
T. Lopes, A. Ciré, C. de Souza, A. Moura	A hybrid model for a multiproduct pipeline plan- ning and scheduling problem	[246]	2010	Constraints	39	Ilog Solver	-	-	CP2008		
H. Simonis	Models for Global Constraint Applications	[344]	2007	Constraints	30	CHIP	n	n			cumulative diffn cycle inverse cumulative
J. Hooker	An Integrated Method for Planning and Schedul- ing to Minimize Tardiness	[180]	2006	Constraints	19	OPL Cplex Ilog Scheduler	n	n	CP 2005	CuSP	
J. Hooker	A Hybrid Method for the Planning and Schedul- ing	[178]	2005	Constraints	17	OPL Cplex Ilog Scheduler	n	n	-	CuSP	cumulative
P. Vilím, R. Barták, O. Cepek	Extension of $O(n \log n)$ Filtering Algorithms for the Unary Resource Constraint to Optional Ac- tivities	[384]	2005	Constraints	23		n	n		JSSP	disjunctive
P. Baptiste, C. Le Pape	Constraint Propagation and Decomposition Tech- niques for Highly Disjunctive and Highly Cumu- lative Project Scheduling Problems	[29]	2000	Constraints	21	CLAIRE	n	n		RCCSP	cumulative
K. Schild, J. Würtz	Scheduling of Time-Triggered Real-Time Systems	[327]	2000	Constraints	23	OZ	n	n	-		disjunctive
H. El Sakkout, M. Wal- lace	Probe Backtrack Search for Minimal Perturba- tion in Dynamic Scheduling	[325]	2000	Constraints	30	Cplex ECLiPSe	n	n	-	KRFP	
S. Heipcke, Y. Colom- bani, C. Cavalcante, C. de Souza	Scheduling under Labour Resource Constraints	[171]	2000	Constraints	8	COME SchedEns	dead	n	-		
E. Bensana, M. Lemaître, G. Verfaillie	Earth Observation Satellite Management	[51]	1999	Constraints	7	Ilog Solver	?	-	-		
S. Belhadji, A. Isli	Temporal Constraint Satisfaction Techniques in Job Shop Scheduling Problem Solving	[46]	1998	Constraints	9	-	n	n	-	TCSP JSSP	
C. Le Pape, P. Baptiste	Resource Constraints for Preemptive Job-shop Scheduling	[296]	1998	Constraints	25	Ilog Solver Claire	dead	-	-	PJSSP	disjunctive
J. Zhou	A Permutation-Based Approach for Solving the Job-Shop Problem	[415]	1997	Constraints	29	-	n	n	CP 1996	JSSP	flow sort alldifferent permutation
K. Darby-Dowman, J. Little, G. Mitra, M. Zaf- falon	Constraint Logic Programming and Integer Pro- gramming Approaches and Their Collaboration in Solving an Assignment Scheduling Problem	[86]	1997	Constraints	20	Cplex ECLiPSe	n	n	-	MGAP	
M. Wallace	Practical Applications of Constraint Program- ming	[388]	1996	Constraints	30	-	-	-	-	Survey	-
D. Grimes, G. Ifrim, B. O’Sullivan, H. Simonis	Analyzing the impact of electricity price forecast- ing on energy cost-aware scheduling	[152]	2014	J.SUSCOM			-	-	-		

Table 3: 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

Table 4: 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-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- HHL23	C. Juvin, E. Hebrard, L. Houssin, P. Lopez		[188]	2023	CP 2023	16
JuvinHL23 JuvinHL23	JuvinHL23	C. Juvin, L. Houssin, P. Lopez		[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- LLP23	D. Kim, Y. Choi, K. Moon, M. Lee, K. Lee, Michael L. Pinedo		[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. Pováda, 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	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	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
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

Table 4: Papers from bibtex

Key	Authors	Title	LC	Cite	Year	Conference	Pages
WinterMMW22 Winter-MMW22	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. Esono-daigui, 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 Klanke-BYE21	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. Schrott-Kostwein, M. Gebser	Utilizing Constraint Optimization for Industrial Machine Workload Balancing		[215]	2021	CP 2021	17
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 Bogaerdt, Mathijs de Weerdt	Lower Bounds for Uniform Machine Scheduling Using Decision Diagrams		[371]	2019	CPAIOR 2019	16

Table 4: Papers from bibtex

Key	Authors	Title	LC	Cite	Year	Conference	Pages
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
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 HoYCLLC18	T. Ho, J. Yao, Y. Chang, F. Lai, J. Lai, S. Chu, W. Liao, H. Chiu	A Platform for Dynamic Optimal Nurse Scheduling Based on Integer Linear Programming along with Multiple Criteria Constraints	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 MRCPSP/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

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
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 GoldwaserS17	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 KletzanderM17	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 BonfiettiZLM16	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
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 $O(n^2 \log n)$		[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

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
LombardiBM15	LombardiBM15	M. Lombardi, A. Bonfietti, M. Milano		[241]	2015	CP 2015	16
MelgarejoLS15	MelgarejoLS15	P. Aguiar-Melgarejo, P. Laborie, C. Solnon		[6]	2015	CPAIOR 2015	17
MurphyMB15	MurphyMB15	Seán Óg Murphy, O. Manzano, Kenneth N. Brown		[274]	2015	CP 2015	17
PesantRR15	PesantRR15	G. Pesant, G. Rix, L. Rousseau		[301]	2015	CPAIOR 2015	16
PraletLJ15	PraletLJ15	C. Pralet, S. Lemai-Chenevier, J. Jaubert		[311]	2015	CP 2015	16
SialaAH15	SialaAH15	M. Siala, C. Artigues, E. Hebrard		[340]	2015	CP 2015	10
VilimLS15	VilimLS15	P. Vilím, P. Laborie, P. Shaw		[385]	2015	CPAIOR 2015	17
ZhouGL15	ZhouGL15	J. Zhou, Y. Guo, G. Li		[416]	2015	FSKD 2015	5
cpaior-GayHS15	cpaior-GayHS15	S. Gay, R. Hartert, P. Schaus		[130]	2015	CPAIOR 2015	16
AlesioNBG14	AlesioNBG14	Stefano Di Alesio, S. Nejati, Lionel C. Briand, A. Gotlieb		[99]	2014	CP 2014	18
BartoliniBBLM14	BartoliniBBLM14	A. Bartolini, A. Borghesi, T. Bridi, M. Lombardi, M. Milano		[35]	2014	CP 2014	16
BessiereHMQW14	BessiereHMQW14	C. Bessiere, E. Hebrard, M. Ménard, C. Quimper, T. Walsh		[53]	2014	CPAIOR 2014	16
BofilIEGPSV14	BofilIEGPSV14	M. Bofil, J. Espasa, M. Garcia, M. Palahí, J. Suy, M. Villaret		[58]	2014	CP 2014	16
BonfiettiLM14	BonfiettiLM14	A. Bonfietti, M. Lombardi, M. Milano		[63]	2014	CPAIOR 2014	16
DejemeppeD14	DejemeppeD14	C. Dejemeppe, Y. Deville		[93]	2014	CPAIOR 2014	9
DerrienP14	DerrienP14	A. Derrien, T. Petit		[97]	2014	CP 2014	9
DerrienPZ14	DerrienPZ14	A. Derrien, T. Petit, S. Zampelli		[98]	2014	CP 2014	9
DoulabiRP14	DoulabiRP14	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	S. Gay, P. Schaus, Vivian De Smedt		[131]	2014	CP 2014	15
HoundjiSWD14	HoundjiSWD14	Vinasétan Ratheil Houndji, P. Schaus, Laurence A. Wolsey, Y. Deville		[183]	2014	CP 2014	16
KoschB14	KoschB14	S. Kosch, J. Christopher Beck		[208]	2014	CPAIOR 2014	16
CireCH13	CireCH13	André A. Ciré, E. Coban, John N. Hooker		[80]	2013	CPAIOR 2013	7
GuSS13	GuSS13	H. Gu, A. Schutt, Peter J. Stuckey		[156]	2013	CPAIOR 2013	7
HeinzKB13	HeinzKB13	S. Heinz, W. Ku, J. Christopher Beck		[165]	2013	CPAIOR 2013	16
KelarevaTK13	KelarevaTK13	E. Kelareva, K. Tierney, P. Kilby		[197]	2013	CPAIOR 2013	17
LetortCB13	LetortCB13	A. Letort, M. Carlsson, N. Beldiceanu		[229]	2013	CPAIOR 2013	16

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
OuelletQ13 OuelletQ13	P. Ouellet, C. Quimper	Time-Table Extended-Edge-Finding for the Cumulative Constraint		[289]	2013	CP 2013	16
SchuttFS13 SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Scheduling Optional Tasks with Explanation		[330]	2013	CP 2013	17
cpaior-SchuttFS13 cpaior-SchuttFS13	A. Schutt, T. Feydy, Peter J. Stuckey	Explaining Time-Table-Edge-Finding Propagation for the Cumulative Resource Constraint		[329]	2013	CPAIOR 2013	17
BillautHL12 BillautHL12	J. Billaut, E. Hebrard, P. Lopez	Complete Characterization of Near-Optimal Sequences for the Two-Machine Flow Shop Scheduling Problem		[54]	2012	CPAIOR 2012	15
BonfiettiLBM12 BonfiettiLBM12	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	Global Cyclic Cumulative Constraint		[62]	2012	CPAIOR 2012	16
HeinzB12 HeinzB12	S. Heinz, J. Christopher Beck	Reconsidering Mixed Integer Programming and MIP-Based Hybrids for Scheduling		[164]	2012	CPAIOR 2012	17
IfrimOS12 IfrimOS12	G. Ifrim, B. O’Sullivan, H. Simonis	Properties of Energy-Price Forecasts for Scheduling		[185]	2012	CP 2012	16
LetortBC12 LetortBC12	A. Letort, N. Beldiceanu, M. Carlsson	A Scalable Sweep Algorithm for the cumulative Constraint		[228]	2012	CP 2012	16
RendlPHPR12 RendlPHPR12	A. Rendl, M. Prandtstetter, G. Hiermann, J. Puchinger, Günther R. Raidl	Hybrid Heuristics for Multimodal Homecare Scheduling		[318]	2012	CPAIOR 2012	17
SchuttCSW12 SchuttCSW12	A. Schutt, G. Chu, Peter J. Stuckey, Mark G. Wallace	Maximising the Net Present Value for Resource-Constrained Project Scheduling		[328]	2012	CPAIOR 2012	17
SerraNM12 SerraNM12	T. Serra, G. Nishioka, Fernando J. M. Marcellino	The Offshore Resources Scheduling Problem: Detailing a Constraint Programming Approach		[335]	2012	CP 2012	17
SimoninAHL12 SimoninAHL12	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling Scientific Experiments on the Rosetta/Philae Mission		[341]	2012	CP 2012	15
ZhangLS12 ZhangLS12	X. Zhang, Z. Lv, X. Song	Model and Solution for Hot Strip Rolling Scheduling Problem Based on Constraint Programming Method		[413]	2012	CIT 2012	4
BonfiettiLBM11 BonfiettiLBM11	A. Bonfietti, M. Lombardi, L. Benini, M. Milano	A Constraint Based Approach to Cyclic RCPSP		[61]	2011	CP 2011	15
ChapadosJR11 ChapadosJR11	N. Chapados, M. Joliveau, L. Rousseau	Retail Store Workforce Scheduling by Expected Operating Income Maximization		[78]	2011	CPAIOR 2011	6
ClercqPBJ11 ClercqPBJ11	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. Demasse, 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
BertholdHLS10 BertholdHLS10	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

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
Davenport10	Davenport10	Andrew J. Davenport		[87]	2010	CPAIOR 2010	5
GrimesH10	GrimesH10	D. Grimes, E. Hebrard		[149]	2010	CPAIOR 2010	15
LombardiM10	LombardiM10	M. Lombardi, M. Milano		[244]	2010	CP 2010	15
MakMS10	MakMS10	K. Mak, J. Ma, W. Su		[253]	2010	ICNC 2010	5
SchuttW10	SchuttW10	A. Schutt, A. Wolf		[334]	2010	CP 2010	15
SunLYL10	SunLYL10	Z. Sun, H. Li, M. Yao, N. Li		[349]	2010	GreenCom 2010	6
Acuna-AgostMFG09	Acuna-AgostMFG09	R. Acuna-Agost, P. Michelon, D. Feillet, S. Gueye		[4]	2009	CPAIOR 2009	2
AronssonBK09	AronssonBK09	M. Aronsson, M. Bohlin, P. Kreuger		[15]	2009	ATMOS 2009	null
Baptiste09	Baptiste09	P. Baptiste		[25]	2009	CP 2009	1
GrimesHM09	GrimesHM09	D. Grimes, E. Hebrard, A. Malapert		[151]	2009	CP 2009	9
Laborie09	Laborie09	P. Laborie		[220]	2009	CPAIOR 2009	15
LombardiM09	LombardiM09	M. Lombardi, M. Milano		[243]	2009	CP 2009	15
MonetteDH09	MonetteDH09	J. Monette, Y. Deville, Pascal Van Hentenryck		[266]	2009	ICAPS 2009	null
SchuttFSW09	SchuttFSW09	A. Schutt, T. Feydy, Peter J. Stuckey, M. Wallace		[331]	2009	CP 2009	16
ThiruvadyBME09	ThiruvadyBME09	Dhananjay R. Thiruvady, C. Blum, B. Meyer, Andreas T. Ernst		[361]	2009	HM 2009	15
Vilim09	Vilim09	P. Vilím		[380]	2009	CP 2009	15
cpaior-Vilim09	cpaior-Vilim09	P. Vilím		[381]	2009	CPAIOR 2009	15
BarlattCG08	BarlattCG08	A. Barlatt, Amy Mainville Cohn, Oleg Yu. Gusikhin		[31]	2008	CPAIOR 2008	5
BeldiceanuCP08	BeldiceanuCP08	N. Beldiceanu, M. Carlsson, E. Poder		[44]	2008	CPAIOR 2008	15
DoomsH08	DoomsH08	G. Dooms, Pascal Van Hentenryck		[102]	2008	CPAIOR 2008	16
HentenryckM08	HentenryckM08	Pascal Van Hentenryck, L. Michel		[173]	2008	CPAIOR 2008	5
LauLN08	LauLN08	Hoong Chuin Lau, Kong Wei Lye, Viet Bang Nguyen		[226]	2008	CPAIOR 2008	5
MouraSCL08	MouraSCL08	Arnaldo Vieira Moura, Cid C. de Souza, André A. Ciré, Tony Minoru Tamura Lopes		[271]	2008	CP 2008	16
MouraSCL08a	MouraSCL08a	Arnaldo Vieira Moura, Cid C. de Souza, André A. Ciré, Tony Minoru Tamura Lopes		[270]	2008	CSE 2008	8
PoderB08	PoderB08	E. Poder, N. Beldiceanu	NO	[303]	2008	ICAPS 2008	8
WatsonB08	WatsonB08	J. Watson, J. Christopher Beck		[393]	2008	CPAIOR 2008	15
AkkerDH07	AkkerDH07	J. M. van den Akker, G. Diepen, J. A. Hoogeveen		[370]	2007	CPAIOR 2007	15

Table 4: Papers from bibtex

Key	Authors	Title	LC	Cite	Year	Conference	Pages
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	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
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 DilkinaDH05	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

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
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 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
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 OddiPCC03	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

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Key	Authors	Title	LC	Cite	Year	Conference	Pages
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
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

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Key	Authors	Title	LC	Cite	Year	Journal	Pages
PrataAN23	PrataAN23	Bruno A. Prata, Levi R. Abreu, Marcelo S. Nagano		[312]	2024	Results in Control and Optimization	1
abs-2402-00459	abs-2402-00459	S. Nguyen, Dhananjay R. Thiruvady, Y. Sun, M. Zhang		[279]	2024	CoRR	null
AbreuNP23	AbreuNP23	Levi Ribeiro de Abreu, Marcelo Seido Nagano, Bruno A. Prata	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		[7]	2023	IEEE Access	16
Caballero23	Caballero23	Jordi Coll Caballero		[71]	2023	Constraints An Int. J.	1
GurPAE23	GurPAE23	S. Gür, M. Pinarbasi, Hacı Mehmet Alakas, T. Eren		[157]	2023	Central Eur. J. Oper. Res.	25
IsikYA23	IsikYA23	Eyüp Ensar Isik, Seyda Topaloglu Yildiz, Özge Satir Akpunar		[186]	2023	Soft Comput.	28
LacknerMMWW23	LacknerMMWW23	M. Lackner, C. Mrkvicka, N. Musliu, D. Walkiewicz, F. Winter		[224]	2023	Constraints An Int. J.	42
MontemanniD23	MontemanniD23	R. Montemanni, M. Dell’Amico		[268]	2023	Algorithms	1
MontemanniD23a	MontemanniD23a	R. Montemanni, M. Dell’Amico		[267]	2023	EURO J. Comput. Optim.	1
ShaikhK23	ShaikhK23	Aftab Ahmed Shaikh, Abdullah Ayub Khan	NO	[336]	2023	Int. J. Electron. Secur. Digit. Forensics	12
YuraszeckMCCR23	YuraszeckMCCR23	F. Yuraszeck, E. Montero, D. Canut-de-Bon, N. Cuneo, M. Rojel		[406]	2023	IEEE Access	11
abs-2305-19888	abs-2305-19888	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek		[170]	2023	CoRR	null
abs-2306-05747	abs-2306-05747	P. Tassel, M. Gebser, K. Schekotihin		[356]	2023	CoRR	null
abs-2312-13682	abs-2312-13682	G. Perez, G. Glorian, W. Suijlen, A. Lallouet		[300]	2023	CoRR	null
AbreuN22	AbreuN22	Levi Ribeiro de Abreu, Marcelo Seido Nagano		[89]	2022	Comput. Ind. Eng.	1
BourreauGGLT22	BourreauGGLT22	E. Bourreau, T. Garaix, M. Gondran, P. Lacomme, N. Tchernev	NO	[68]	2022	Int. J. Prod. Res.	19
CampeauG22	CampeauG22	L. Campeau, M. Gamache		[72]	2022	Constraints An Int. J.	18
FetgoD22	FetgoD22	Séverine Betmbe Fetgo, Clémentin Tayou Djamégni		[116]	2022	Oper. Res. Forum	null
HeinzNVH22	HeinzNVH22	V. Heinz, A. Novák, M. Vlk, Z. Hanzálek		[169]	2022	Comput. Ind. Eng.	1
MullerMKP22	MullerMKP22	D. Müller, Marcus Gerhard Müller, D. Kress, E. Pesch		[272]	2022	Eur. J. Oper. Res.	18
PohlAK22	PohlAK22	M. Pohl, C. Artigues, R. Kolisch		[305]	2022	Eur. J. Oper. Res.	16
ShiYXQ22	ShiYXQ22	G. Shi, Z. Yang, Y. Xu, Y. Quan	NO	[337]	2022	Int. J. Prod. Res.	18

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Key		Authors	Title	LC	Cite	Year	Journal	Pages
SubulanC22	SubulanC22	K. Subulan, G. Çakir	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. Hübner, P. Gerhards, C. Stürck, 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. Bürgler, 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
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	QinWSLS21	M. Qin, R. Wang, Z. Shi, L. Liu, L. Shi	A Genetic Programming-Based Scheduling Approach for Hybrid Flow Shop With a Batch Processor and Waiting Time Constraint		[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
AstrandJJ20	AstrandJJ20	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	William T. Lunardi, Ernesto G. Birgin, P. Laborie, Débora P. Ronconi, H. Voos	Mixed Integer linear programming and constraint programming models for the online printing shop scheduling problem		[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

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Key	Authors	Title	LC	Cite	Year	Journal	Pages
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
BaptisteB18 BaptisteB18	P. Baptiste, N. Bonifas	Redundant cumulative constraints to compute preemptive bounds		[26]	2018	Discret. Appl. Math.	10
FahimiOQ18 FahimiOQ18	H. Fahimi, Y. Ouellet, C. Quimper	Linear-time filtering algorithms for the disjunctive constraint and a quadratic filtering algorithm for the cumulative not-first not-last		[113]	2018	Constraints An Int. J.	22
GedikKEK18 GedikKEK18	R. Gedik, D. Kalathia, G. Egilmez, E. Kirac	A constraint programming approach for solving unrelated parallel machine scheduling problem		[132]	2018	Comput. Ind. Eng.	11
GokgurHO18 GokgurHO18	B. Gökgür, B. Hnich, S. Özpeynirci	Parallel machine scheduling with tool loading: a constraint programming approach	NO	[145]	2018	Int. J. Prod. Res.	17
LaborieRSV18 LaborieRSV18	P. Laborie, J. Rogerie, P. Shaw, P. Vilím	IBM ILOG CP optimizer for scheduling - 20+ years of scheduling with constraints at IBM/ILOG		[222]	2018	Constraints An Int. J.	41
PourDERB18 PourDERB18	Shahrazad M. Pour, John H. Drake, Lena Secher Ejlertsen, Kourosh Marjani Rasmussen, Edmund K. Burke	A hybrid Constraint Programming/Mixed Integer Programming framework for the preventive signaling maintenance crew scheduling problem		[308]	2018	Eur. J. Oper. Res.	12
ShinBBHO18 ShinBBHO18	Seung Yeob Shin, Y. Brun, H. Balasubramanian, Philip L. Henneman, Leon J. Osterweil	Discrete-Event Simulation and Integer Linear Programming for Constraint-Aware Resource Scheduling		[338]	2018	IEEE Trans. Syst. Man Cybern. Syst.	16
TangLWSK18 TangLWSK18	Y. Tang, R. Liu, F. Wang, Q. Sun, Amr A. Kandil	Scheduling Optimization of Linear Schedule with Constraint Programming	NO	[353]	2018	Comput. Aided Civ. Infrastructure Eng.	28
ZhangW18 ZhangW18	S. Zhang, S. Wang	Flexible Assembly Job-Shop Scheduling With Sequence-Dependent Setup Times and Part Sharing in a Dynamic Environment: Constraint Programming Model, Mixed-Integer Programming Model, and Dispatching Rules		[412]	2018	IEEE Trans. Engineering Management	18
KreterSS17 KreterSS17	S. Kreter, A. Schutt, Peter J. Stuckey	Using constraint programming for solving RCPSP/max-cal		[217]	2017	Constraints An Int. J.	31
NattafAL17 NattafAL17	M. Nattaf, C. Artigues, P. Lopez	Cumulative scheduling with variable task profiles and concave piecewise linear processing rate functions		[277]	2017	Constraints An Int. J.	18
Bonfietti16 Bonfietti16	A. Bonfietti	A constraint programming scheduling solver for the MPOpt programming environment	NO	[60]	2016	Intelligenza Artificiale	13
DoulabiRP16 DoulabiRP16	Seyed Hossein Hashemi Doulabi, L. Rousseau, G. Pesant	A Constraint-Programming-Based Branch-and-Price-and-Cut Approach for Operating Room Planning and Scheduling	NO	[104]	2016	INFORMS J. Comput.	17
NovaraNH16 NovaraNH16	Franco M. Novara, Juan M. Novas, Gabriela P. Henning	A novel constraint programming model for large-scale scheduling problems in multiproduct multistage batch plants: Limited resources and campaign-based operation		[283]	2016	Comput. Chem. Eng.	17
ZarandiKS16 ZarandiKS16	M. H. Fazel Zarandi, H. Khorshidian, Mohsen Akbarpour Shirazi	A constraint programming model for the scheduling of JIT cross-docking systems with preemption		[407]	2016	J. Intell. Manuf.	17

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Key	Authors	Title	LC	Cite	Year	Journal	Pages
EvenSH15a EvenSH15a	C. Even, A. Schutt, Pascal Van Hentenryck	A Constraint Programming Approach for Non-Preemptive Evacuation Scheduling		[112]	2015	CoRR	null
GoelSHFS15 GoelSHFS15	V. Goel, M. Slusky, Willem-Jan van Hoeve, Kevin C. Furman, Y. Shao	Constraint programming for LNG ship scheduling and inventory management		[144]	2015	Eur. J. Oper. Res.	12
Kameugne15 Kameugne15	R. Kameugne	Propagation techniques of resource constraint for cumulative scheduling		[191]	2015	Constraints An Int. J.	2
LetortCB15 LetortCB15	A. Letort, M. Carlsson, N. Beldiceanu	Synchronized sweep algorithms for scalable scheduling constraints		[230]	2015	Constraints An Int. J.	52
NattafAL15 NattafAL15	M. Nattaf, C. Artigues, P. Lopez	A hybrid exact method for a scheduling problem with a continuous resource and energy constraints		[276]	2015	Constraints An Int. J.	21
Siala15 Siala15	M. Siala	Search, propagation, and learning in sequencing and scheduling problems		[339]	2015	Constraints An Int. J.	2
SimoninAHL15 SimoninAHL15	G. Simonin, C. Artigues, E. Hebrard, P. Lopez	Scheduling scientific experiments for comet exploration		[342]	2015	Constraints An Int. J.	23
WangMD15 WangMD15	T. Wang, N. Meskens, D. Duvivier	Scheduling operating theatres: Mixed integer programming vs. constraint programming		[392]	2015	Eur. J. Oper. Res.	13
GrimesIOS14 GrimesIOS14	D. Grimes, G. Ifrim, B. O’Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling		[152]	2014	Sustain. Comput. Informatics Syst.	16
KameugneFSN14 KameugneFSN14	R. Kameugne, Laure Pauline Fotso, Joseph D. Scott, Y. Ngo-Kateu	A quadratic edge-finding filtering algorithm for cumulative resource constraints		[195]	2014	Constraints An Int. J.	27
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 OzturkTHO13	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

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Key	Authors	Title	LC	Cite	Year	Journal	Pages
TopalogluO11 TopalogluO11	S. Topaloglu, I. Ozkarahan	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
ZeballosQH10 ZeballosQH10	L. Zeballos, 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
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

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MartinPY01 inPY01	Mart-	F. Martin, A. Pinkney, X. Yu		[258]	2001	Ann. Oper. Res.	17
Mason01	Mason01	Andrew J. Mason		[259]	2001	Ann. Oper. Res.	38
ArtiguesR00 tigesR00	Ar-	C. Artigues, F. Roubellat		[17]	2000	Eur. J. Oper. Res.	20
BaptisteP00 teP00	Baptis-	P. Baptiste, Claude Le Pape		[29]	2000	Constraints An Int. J.	21
HeipckeCCS00 eCCS00	Heipck-	S. Heipcke, Y. Colombani, Cristina C. B. Cavalcante, Cid C. de Souza		[171]	2000	Constraints An Int. J.	8
KorbaaYG00 baaYG00	Kor-	O. Korbaa, P. Yim, J. Gentina		[207]	2000	Eur. J. Control	10
LopezAKYG00 KYG00	LopezA-	P. Lopez, H. Alla, O. Korbaa, P. Yim, J. Gentina		[247]	2000	Eur. J. Control	4
SakkoutW00 SakkoutW00		Hani El Sakkout, M. Wallace		[325]	2000	Constraints An Int. J.	30
SchildW00	SchildW00	K. Schild, J. Würtz		[327]	2000	Constraints An Int. J.	23
BensanaLV99 sanaLV99	Ben-	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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Carla Juvin	JuvinHHL23[188] JuvinHL23[189]
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]
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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]

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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]
S��verine Betmbe Fetgo	KameugneFND23[193] FetgoD22[116] KameugneFGOQ18[192]
Thierry Noulamo	KameugneFND23[193]
Cl��mentin Tayou Djam��gni	KameugneFND23[193] FetgoD22[116]
Eddie Armstrong	ArmstrongGOS22[14] ArmstrongGOS21[13]
Michele Garraffa	ArmstrongGOS22[14] ArmstrongGOS21[13]
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Dongyun Kim	KimCMLLP23[202]
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Kyungduk Moon	KimCMLLP23[202]
Myungho Lee	KimCMLLP23[202]
Kangbok Lee	KimCMLLP23[202]
Michael L. Pinedo	KimCMLLP23[202]
Fabio Tardivo	TardivoDFMP23[354]
Agostino Dovier	TardivoDFMP23[354]
Andrea Formisano	TardivoDFMP23[354]
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Rapha��l Boudreault	BoudreaultSLQ22[67]
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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 C��t��	PopovicCGNC22[307]
Mohamed Gaha	PopovicCGNC22[307]
Franklin Nguewouo	PopovicCGNC22[307]
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Sebastian Meiswinkel	WinterMMW22[396]
Nysret Musliu	LacknerMMWW23[224] WinterMMW22[396] LacknerMMWW21[223] GeibingerKKMMW21[133] GeibingerMM21[136]
Daniel Walkiewicz	GeibingerMM19[135] abs-1911-04766[134] KletzanderM17[204]
Marc Geitz	LacknerMMWW23[224] WinterMMW22[396] LacknerMMWW21[223]
Cristian Grozea	GeitzGSSW22[137]
Wolfgang Steigerwald	GeitzGSSW22[137]
Robin St��hr	GeitzGSSW22[137]
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Valentin Antuori	AntuoriHHEN21[11]
Marie-Jos�� Hugu��t	AntuoriHHEN21[11]
Siham Essodaigui	AntuoriHHEN21[11]
Alain Nguyen	AntuoriHHEN21[11]
Benjamin Kov��cs	KovacsTKSG21[215]
Pierre Tassel	TasselGS23[355] abs-2306-05747[356] KovacsTKSG21[215]
Wolfgang Kohlenbrein	KovacsTKSG21[215]

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Author	Entries
Philipp Schrott-Kostwein	KovacsTKSG21[215]
Martin Gebser	TasselGS23[355] abs-2306-05747[356] KovacsTKSG21[215]
Marie-Louise Lackner	LacknerMMWW23[224] LacknerMMWW21[223]
Christoph Mrkvicka	LacknerMMWW23[224] LacknerMMWW21[223]
Alessandro Hill	HillTV21[175]
Jordan Ticktin	HillTV21[175]
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Christian Klanke	KlankeBYE21[203]
Dominik R. Bleidorn	KlankeBYE21[203]
Vassilios Yfantis	KlankeBYE21[203]
Sebastian Engell	KlankeBYE21[203]
Claire Hanen	HanenKP21[159]
Alix Munier Kordon	HanenKP21[159]
Theo Pedersen	HanenKP21[159]
Max Åstrand	Astrand0F21[20] Astrand21[19] AstrandJZ20[22] AstrandJZ18[21]
Mikael Johansson	Astrand0F21[20] AstrandJZ20[22] AstrandJZ18[21]
Hamid Reza Feyzmahdavian	Astrand0F21[20]
Tobias Geibinger	GeibingerKKMMW21[133] GeibingerMM21[136] GeibingerMM19[135] abs-1911-04766[134]
Lucas Kletzander	GeibingerKKMMW21[133] KletzanderM17[204]
Matthias Krainz	GeibingerKKMMW21[133]
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]
Lucas Groleaz	GroleazNS20[154] GroleazNS20a[153]
Samba Ndojh Ndiaye	GroleazNS20[154] GroleazNS20a[153]
Christine Solnon	GroleazNS20[154] GroleazNS20a[153] SacramentoSP20[322] MelgarejoLS15[6]
Alexandre Mercier-Aubin	Mercier-AubinGQ20[263]
Jonathan Gaudreault	Mercier-AubinGQ20[263]
Tanya Y. Tang	TangB20[352]
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Johan Wessén	WessenCS20[394]
Mats Carlsson	WessenCS20[394] MossigeGSMC17[269] LetortCB15[230] LetortCB13[229] LetortBC12[228] BeldiceanuCDP11[43]
Christian Schulte	WessenCS20[394] BeldiceanuCP08[44] BeldiceanuC02[42]
Giacomo Da Col	WessenCS20[394] FrimodigS19[121] ColT19[83]
Erich Christian Teppan	Teppan22[358] ColT19[83]
Sara Frimodig	FrimodigS19[121]
Cristian Galleguillos	GalleguillosKSB19[124]
Zeynep Kiziltan	GalleguillosKSB19[124]
Alina Sirbu	GalleguillosKSB19[124]
Özalp Babaoglu	GalleguillosKSB19[124]
Stanislav Murín	MurinR19[273]
Hana Rudová	MurinR19[273]
Jordi Coll Caballero	Caballero23[71]
Louis-Pierre Campeau	CampeauG22[72]
Jana Koehler	KoehlerBFFHPSSS21[205]
Josef Bürgler	KoehlerBFFHPSSS21[205]
Urs Fontana	KoehlerBFFHPSSS21[205]
Etienne Fux	KoehlerBFFHPSSS21[205]
Florian A. Herzog	KoehlerBFFHPSSS21[205]
Marc Pouly	KoehlerBFFHPSSS21[205]
Sophia Saller	KoehlerBFFHPSSS21[205]
Anastasia Salyaeva	KoehlerBFFHPSSS21[205]
Peter Scheiblechner	KoehlerBFFHPSSS21[205]
Kai Waelti	KoehlerBFFHPSSS21[205]

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Author	Entries
Ondrej Benedikt	BenediktMH20[48] BenediktSMVH18[49]
István Módos	BenediktMH20[48] BenediktSMVH18[49]
Zdenek Hanzálek	Mehdizadeh-Somarín23[260] abs-2305-19888[170] HeinzNVH22[169] VlkHT21[387] BenediktMH20[48] BenediktSMVH18[49] KelbelH11[198]
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Campbell Wilson	He0GLW18[161]
Miquel Bofill	BofillCSV17[57] BofillGSV15[59] BofillEGPSV14[58]
Jordi Coll	BofillCSV17[57]
Josep Suy	BofillCSV17[57] BofillGSV15[59] BofillEGPSV14[58]
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Morten Mossige	MossigeGSMC17[269]
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Alessio Bonfietti	BonfiettiZLM16[64] Bonfietti16[60] LombardiBM15[241] BonfiettiLM14[63] BonfiettiLBM12[62] BonfiettiLBM11[61] LombardiBMB11[242]
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Ria Szeredi	SzerediS16[351]
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Cyrille Dejemeppe	CauwelaertDMS16[76] Dejemeppe16[91] DejemeppeCS15[92] DejemeppeD14[93]
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Steven Gay	GayHLS15[128] GayHS15[129] cpaioir-GayHS15[130] GaySS14[131]
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Seán Óg Murphy	MurphyMB15[274]
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Joan Espasa	BofilLEGPSV14[58]
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Stefano Di Alesio	AlesioNBG14[99]
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Rodrigo Acuna-Agost	Acuna-AgostMFG09[4]
Philippe Michelon	Acuna-AgostMFG09[4] LiessM08[232]
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Serigne Gueye	Acuna-AgostMFG09[4]
Emmanuel Poder	BeldiceanuCDP11[43] abs-0907-0939[302] BeldiceanuCP08[44] PoderB08[303] BeldiceanuP07[45] PoderBS04[304]
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Davide Bertozzi	BeniniBGM06[50]
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Francisco Yuraszek	YuraszekMCCR23[406] YuraszekMC23[405]
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Zahra Mehdizadeh-Somarin	Mehdizadeh-Somarin23[260]
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D. Brodart	OujanaAYB22[292]
Meriem Touat	TouatBT22[365]
Belaid Benhamou	TouatBT22[365]
Fatima Benbouzid-Si Tayeb	TouatBT22[365]
Xingyang Li	LiFJZLL22[231]
Jun Fu	LiFJZLL22[231]
Zixi Jia	LiFJZLL22[231]
Ziyan Zhao	LiFJZLL22[231] ZhangJZL22[410]
Siyi Li	LiFJZLL22[231]
Shixin Liu	LiFJZLL22[231] ZhangJZL22[410]
Haotian Zhang	ZhangJZL22[410]
Yingjun Ji	ZhangJZL22[410]
Xiaodong Li	abs-2211-14492[348]
Andreas T. Ernst	abs-2211-14492[348] ThiruvadyBME09[361]
Uwe Aickelin	abs-2211-14492[348]
Arthur Godet	Godet21a[142] GodetLHS20[143]
Hanaa Abohashima	AbohashimaEG21[2]
Amr B. Eltawil	AbohashimaEG21[2]
Mohamed S. Gheith	AbohashimaEG21[2]
Siyu Tang	VlkHT21[387]
Huali Fan	FanXG21[115]
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Felix Hübner	HubnerGSV21[184]
Patrick Gerhards	HubnerGSV21[184]
Christian Stürck	HubnerGSV21[184]
Rebekka Volk	HubnerGSV21[184]

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Ming Qin	QinWSLS21[314]
Runsen Wang	QinWSLS21[314]
Zhongshun Shi	QinWSLS21[314]
Lingxuan Liu	QinWSLS21[314]
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Vaibhav Pandey	PandeyS21a[294]
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Till Bender	BenderWS21[47]
David Wittwer	BenderWS21[47]
Thorsten Schmidt	BenderWS21[47]
William Tessaro Lunardi	Lunardi20[250]
Amelia Badica	BadicaBI20[23] BadicaBIL19[24]
Costin Badica	BadicaBI20[23] BadicaBIL19[24]
Mirjana Ivanovic	BadicaBI20[23] BadicaBIL19[24]
Leilei Meng	MengZRZL20[262]
Chaoyong Zhang	MengZRZL20[262]
Yaping Ren	MengZRZL20[262]
Biao Zhang	MengZRZL20[262]
Chang Lv	MengZRZL20[262]
William T. Lunardi	LunardiBLRV20[249]
Ernesto G. Birgin	LunardiBLRV20[249]
Débora P. Ronconi	LunardiBLRV20[249]
Holger Voos	LunardiBLRV20[249]
Tianbao Qin	QinDCS20[315]
Yuquan Du	QinDCS20[315]
Jiang Hang Chen	QinDCS20[315]
Mei Sha	QinDCS20[315]
Samira Alizdeh	AlizdehS20[9]
Shahram Saeidi	AlizdehS20[9]
Mahdi Mokhtarzadeh	MokhtarzadehTNF20[264]
Azadeh Farsi	MokhtarzadehTNF20[264]
Oliver Polo-Mejía	Polo-MejiaALB20[306]
Virginie Basini	Polo-MejiaALB20[306]
David Sacramento	SacramentoSP20[322]
David Pisinger	SacramentoSP20[322]
Mohammadreza Barzegaran	BarzegaranZP20[36]
Bahram Zarrin	BarzegaranZP20[36]
Paul Pop	BarzegaranZP20[36]
Juan M. Novas	Novas19[284] NovaraNH16[283] NovasH14[287] NovasH12[286] NovasH10[285]
Teresa Escobet	EscobetPQPRA19[110]
Vicenç Puig	EscobetPQPRA19[110]
Joseba Quevedo	EscobetPQPRA19[110]
Pere Palà-Schönwälder	EscobetPQPRA19[110]
Juli Romera	EscobetPQPRA19[110]
W. Adelman	EscobetPQPRA19[110]
Hiroki Nishikawa	NishikawaSTT19[282] NishikawaSTT18[280] NishikawaSTT18a[281]
Kana Shimada	NishikawaSTT19[282] NishikawaSTT18[280] NishikawaSTT18a[281]
Ittetsu Taniguchi	NishikawaSTT19[282] NishikawaSTT18[280] NishikawaSTT18a[281]
Hiroyuki Tomiyama	NishikawaSTT19[282] NishikawaSTT18[280] NishikawaSTT18a[281]
Jaroslav Wikarek	WikarekS19[395]
Pawel Sitek	WikarekS19[395]
Nikolaus Frohner	FrohnerTR19[122]
Stephan Teuschl	FrohnerTR19[122]
Mary Tom	Tom19[363]
Jan Kristof Behrens	BehrensLM19[40] abs-1901-07914[41]
Ralph Lange	BehrensLM19[40] abs-1901-07914[41]

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Author	Entries
Masoumeh Mansouri	BehrensLM19[40] abs-1901-07914[41]
Doina Logofatu	BadicaBIL19[24]
Ke Liu	LiuLH19[238]
Sven Löffler	LiuLH19[238]
Petra Hofstedt	LiuLH19[238]
Hoonseok Park	ParkUJR19[297]
Jumyung Um	ParkUJR19[297]
Jae-Yoon Jung	ParkUJR19[297]
Martin Ruskowski	ParkUJR19[297]
O. M. Alade	abs-1902-01193[8]
A. O. Amusat	abs-1902-01193[8]
Viktoria A. Hauder	abs-1902-09244[160]
Andreas Beham	abs-1902-09244[160]
Sebastian Raggl	abs-1902-09244[160]
Sophie N. Parragh	abs-1902-09244[160]
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Yuanjie Tang	TangLWSK18[353]
Rengkui Liu	TangLWSK18[353]
Futian Wang	TangLWSK18[353]
Quanxin Sun	TangLWSK18[353]
Amr A. Kandil	TangLWSK18[353]
Ridvan Gedik	GedikKEK18[132]
Darshan Kalathia	GedikKEK18[132]
Gokhan Egilmez	GedikKEK18[132]
Emre Kirac	GedikKEK18[132]
Shahrzad M. Pour	PourDERB18[308]
John H. Drake	PourDERB18[308]
Lena Secher Ejlersen	PourDERB18[308]
Kourosh Marjani Rasmussen	PourDERB18[308]
Edmund K. Burke	PourDERB18[308]
Burak Gökgür	GokgurHO18[145]
Selin Özpeynirci	GokgurHO18[145]
Sicheng Zhang	ZhangW18[412]
Shouyang Wang	ZhangW18[412]
Seung Yeob Shin	ShinBBHO18[338]
Yuriy Brun	ShinBBHO18[338]
Hari Balasubramanian	ShinBBHO18[338]
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Leon J. Osterweil	ShinBBHO18[338]
Taha Arbaoui	ArbaouiY18[12]
Te-Wei Ho	HoYCLLC18[176]
Jia-Sheng Yao	HoYCLLC18[176]
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Jui-Fen Lai	HoYCLLC18[176]
Sue-Min Chu	HoYCLLC18[176]
Wan-Chung Liao	HoYCLLC18[176]
Han-Mo Chiu	HoYCLLC18[176]
Franco M. Novara	NovaraNH16[283]
Gabriela P. Henning	NovaraNH16[283] NovasH14[287] NovasH12[286] NovasH10[285] ZeballosQH10[409] ZeballosH05[408] QuirogaZH05[317]
M. H. Fazel Zarandi	ZarandiKS16[407]
H. Khorshidian	ZarandiKS16[407]
Mohsen Akbarpour Shirazi	ZarandiKS16[407]
Vikas Goel	GoelSHFS15[144]
M. Slusky	GoelSHFS15[144]
Kevin C. Furman	GoelSHFS15[144]

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Author	Entries
Yufen Shao	GoelSHFS15[144]
Tao Wang	WangMD15[392]
Nadine Meskens	WangMD15[392]
David Duvivier	WangMD15[392]
Jinlian Zhou	ZhouGL15[416]
Ying Guo	ZhouGL15[416]
Guipeng Li	ZhouGL15[416]
Gerhard Friedrich	FriedrichFMRST14[120]
Melanie Frühstück	FriedrichFMRST14[120]
Vera Mersheeva	FriedrichFMRST14[120]
Anna Ryabokon	FriedrichFMRST14[120]
Maria Sander	FriedrichFMRST14[120]
Andreas Starzacher	FriedrichFMRST14[120]
Erich Teppan	FriedrichFMRST14[120]
Mirza Omer Beg	BegB13[39]
Peter van Beek	BegB13[39] MalikMB08[256]
Xujun Zhang	ZhangLS12[413]
Zhimin Lv	ZhangLS12[413]
Xiaoqing Song	ZhangLS12[413]
Julien Menana	Menana11[261]
Nizar El Hachemi	HachemiGR11[158]
Michel Gendreau	HachemiGR11[158]
Seyda Topaloglu	TopalogluO11[364]
Irem Ozkarahan	TopalogluO11[364]
T. K. Feng	BeckFW11[38]
Jan Kelbel	KelbelH11[198]
Minhaz F. Zibran	ZibranR11[418] ZibranR11a[419]
Chanchal K. Roy	ZibranR11[418] ZibranR11a[419]
Luis Zeballos	ZeballosQH10[409] ZeballosH05[408] QuirogaZH05[317]
Oscar Quiroga	ZeballosQH10[409] QuirogaZH05[317]
Zheng Sun	SunLYL10[349]
Hong Li	SunLYL10[349]
Min Yao	SunLYL10[349]
Nan Li	SunLYL10[349]
Kai-Ling Mak	MakMS10[253]
Jun Ma	MakMS10[253]
Wei Su	MakMS10[253]
Grzegorz Bocewicz	BocewiczBB09[56]
Irena Bach	BocewiczBB09[56]
Zbigniew Antoni Banaszak	BocewiczBB09[56]
Antonio Garrido	GarridoAO09[126] GarridoOS08[127]
Marlene Arangú	GarridoAO09[126]
Eva Onaindia	GarridoAO09[126] GarridoOS08[127]
Christian Blum	ThiruvadyBME09[361]
Bernd Meyer	ThiruvadyBME09[361]
Abid M. Malik	Malik08[255] MalikMB08[256]
Olivier Liess	LiessM08[232]
Óscar Sapena	GarridoOS08[127]
Jim McInnes	MalikMB08[256]
Willem Jan van Hoeve	HoeveGSL07[373] GomesHS06[148]
Carla P. Gomes	HoeveGSL07[373] GomesHS06[148]
Bart Selman	HoeveGSL07[373] GomesHS06[148]
Ghada El Khayat	KhayatLR06[200]
André Langevin	KhayatLR06[200]
Diane Riopel	KhayatLR06[200]
Suresh Sundaram	SureshMOK06[350]

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Author	Entries
V. Mani	SureshMOK06[350]
S. N. Omkar	SureshMOK06[350]
H. J. Kim	SureshMOK06[350]
Yang Qu	QuSN06[316]
Juha-Pekka Soininen	QuSN06[316]
Jari Nurmi	QuSN06[316]
Yuechang Liu	LiuJ06[240]
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Wim Nuijten	BaptisteLPN06[27]
Ulrich Geske	Geske05[139]
Karen Villaverde	VillaverdeP04[386]
Christophe Wolinski	WolinskiKG04[399] WolinskiKG04a[400] KuchcinskiW03[218]
Krzysztof Kuchcinski	WolinskiKG04[399] WolinskiKG04a[400] KuchcinskiW03[218] GruianK98[155]
Maya B. Gokhale	WolinskiKG04[399] WolinskiKG04a[400]
John J. Kanet	KanetAG04[196]
Sanjay Ahire	KanetAG04[196]
Michael F. Gorman	KanetAG04[196]
Edward P. K. Tsang	Tsang03[368]
Carmelo Del Valle	ValleMGTO3[369]
Antonio A. Márquez	ValleMGTO3[369]
Rafael M. Gasca	ValleMGTO3[369]
Miguel Toro	ValleMGTO3[369]
Colin J. Layfield	Layfield02[227]
Thomas Lorigeon	LorigeonBB02[248]
Jean-Louis Bouquard	LorigeonBB02[248]
Christian Timpe	Timpe02[362]
Kenny Qili Zhu	ZhuS02[417]
Andrew E. Santosa	ZhuS02[417]
Fae Martin	MartinPY01[258]
Arthur Pinkney	MartinPY01[258]
Xinghuo Yu	MartinPY01[258]
Andrew J. Mason	Mason01[259]
Ouajdi Korbaa	KorbaaYG00[207] LopezAKYG00[247] KorbaaYG99[206]
Pascal Yim	KorbaaYG00[207] LopezAKYG00[247] KorbaaYG99[206]
Jean-Claude Gentina	KorbaaYG00[207] LopezAKYG00[247] KorbaaYG99[206]
Hassane Alla	LopezAKYG00[247]
Joseph C. Pemberton	PembertonG98[298]
Flavius Galiber III	PembertonG98[298]
Flavius Gruian	GruianK98[155]
Moreno Falaschi	FalaschiGMP97[114]
Kim Marriott	FalaschiGMP97[114]
Catuscia Palamidessi	FalaschiGMP97[114]
Eric Boucher	BoucherBVBL97[66]
Astrid Bachelu	BoucherBVBL97[66]
Christophe Varnier	BoucherBVBL97[66] BaptisteLV92[30]
Pierre Baptiste	BoucherBVBL97[66] BaptisteLV92[30]
Bruno Legeard	BoucherBVBL97[66] BaptisteLV92[30]
Silvia Breitinger	BreitingerL95[69]
Hendrik C. R. Lock	BreitingerL95[69]
Jean Jourdan	JourdanFRD94[187]
François Pages	JourdanFRD94[187]
Didier Rozzonelli	JourdanFRD94[187]
Alain Demeure	JourdanFRD94[187]
David B. H. Tay	Tay92[357]
M. Anton Ertl	ErtlK91[109]
Andreas Krall	ErtlK91[109]

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Author	Entries
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]

4 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 7: 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	steel cable	mining industry	real world	
AbohashimaEG21 [2]	scheduling, order, resource, machine, transportation, cmax, setup time	parallel machine		python	gurobi			generated instance, real world, https://, github	
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	cumulative, nooverlap	python	cplex	medical		benchmark, real world, http:// , https://	
AbreuNP23 [90]									
AbrilSB05 [3]	scheduling, order, distributed, multi agent					railway		http://	
Acuna-AgostMFG09 [4]	scheduling, order, transportation, re scheduling					railway			
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				
AkramNHRSA23 [7]	scheduling, order, task, resource, machine, preempt, completion time, distributed		bin packing	python	or tools	agriculture, medical		benchmark, https://	
AlesioNBG14 [99]	scheduling, order, job, task, activity, resource, preempt, make span, completion time, job shop, open shop, distributed		alldifferent		cplex, OPL	automotive, automotive		benchmark, http://	
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	car manufacturing, automotive, automotive	automotive industry	supplementary material, http:// , https://	
ArbaouiY18 [12]									

Table 7: 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		alternative constraint, cumulative, diffn, table constraint, circuit, bin packing	java , prolog	cplex, gecode, CHIP, cpo, chuffed, sicstus, mini zinc	robot	packaging industry	benchmark, instance generator, real world, industrial partner, industry partner, supplementary material, https://zenodo.org , benchmark, real world, https://zenodo.org	energetic reasoning
ArmstrongGOS22 [14]	scheduling, order, job, task, resource, machine, transportation, make span, cmax, completion time, flow shop, re scheduling	parallel machine	cumulative, nooverlap	prolog	OPL, sicstus			benchmark, real world, https://zenodo.org	
AronssonBK09 [15]									
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			benchmark	edge finding
ArtiguesR00 [17]									
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	aircraft		generated instance, random instance, http://zenodo.org	edge finding, not first, not last
Astrand0F21 [20]	scheduling, order, job, task, activity, resource, machine, precedence, make span, job shop, open shop		disjunctive		gecode	forestry, agriculture, farming, satellite, robot	mineral industry, mining industry, potash industry	benchmark, generated instance, real world, real life, https://zenodo.org	
Astrand21 [19]									
AstrandJZ18 [21]	scheduling, order, task, activity, resource, machine, make span	single machine	cumulative, disjunctive		gecode	hoist, robot	potash industry	https://zenodo.org	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	robot	mineral industry, mining industry, potash industry	benchmark, real world, real life, http://zenodo.org , https://zenodo.org	
BadicaBI20 [23]									
BadicaBIL19 [24]									
Baptiste09 [25]	scheduling								
BaptisteB18 [26]									
BaptisteLPN06 [27]									
BaptisteLV92 [30]									
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, disjunctive	C++	CHIP, claire, ilog scheduler			benchmark, http://zenodo.org	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, disjunctive	C++	CHIP, claire			benchmark	edge finder, edge finding

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
BarlattCG08 [31]	scheduling, job, task, resource, machine, transportation, flow shop, job shop, setup time					pipeline, automotive, automotive dairies		real world	
Bartak02 [33]	scheduling, order, job, task, activity, resource, machine, precedence, make span, lateness, job shop, continuous process		cumulative, disjunctive	prolog	sicstus			real life, http://	edge finding, time tabling
Bartak02a [32]									
BartakS11 [34]	scheduling, order, task, resource, distributed, multi agent		cumulative		OPL			random instance, real world, real life, http://	
BartoliniBBLM14 [35]	scheduling, job, task, activity, resource, machine, make span, tardiness		alternative constraint, cumulative			super computer		http://	
BarzegaranZP20 [36]									
BeckDF97 [37]	scheduling, order, job, task, activity, resource, machine, precedence, inventory, make span, job shop, release date, due date, re scheduling	single machine	cumulative			robot		benchmark, real world	edge finding
BeckFW11 [38]									
BegB13 [39]									
BehrensLM19 [40]									
BeldiceanuC02 [42]	scheduling, order, task, activity, resource, machine, producer consumer	single machine	cumulative	prolog	CHIP, sicstus	crew scheduling		benchmark, random instance, real life	sweep
BeldiceanuCDP11 [43]									
BeldiceanuCP08 [44]	scheduling, order, task, resource		cumulative, disjunctive	prolog	CHIP, sicstus	rectangle packing, perfect square		benchmark	edge finding, sweep
BeldiceanuP07 [45]	scheduling, order, task, resource, preempt, release date, due date		cumulative, disjunctive						sweep
BelhadjiI98 [46]	scheduling, order, job, task, resource, machine, precedence, preempt, job shop, release date, due date	jssp	disjunctive					real life	
BenderWS21 [47]									
BenediktMH20 [48]	scheduling, order, job, task, machine, preempt, job shop, re scheduling	single machine	nooverlap, end-beforestart		gurobi	robot		benchmark, generated instance, random instance, https:// , github	
BenediktSMVH18 [49]	scheduling, order, job, resource, machine, preempt, job shop	single machine, parallel machine	nooverlap		gurobi	energy price		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	pipeline, automotive, automotive		real life	
BensanaLV99 [51]	order				cplex, ilog solver	satellite, earth observation		benchmark, http://	
BertholdHLS10 [52]	scheduling, order, job, resource, precedence, preempt, completion time	RCPSP, psplib	cumulative, disjunctive		cplex			http://	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
BessiereHMQW14 [53]	scheduling, order, job, task, resource, machine, setup time	single machine	alldifferent		choco	satellite	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				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		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, gecode, 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	railway		benchmark, http:// , https://	
Bonfietti16 [60]									
BonfiettiLBM11 [61]	scheduling, order, job, task, activity, resource, machine, precedence, make span, job shop	RCPSP	cumulative		ilog solver	hoist, robot		benchmark, generated instance, industrial instance, http://	
BonfiettiLBM12 [62]	scheduling, order, job, activity, resource, machine, precedence, make span, job shop, distributed	RCPSP	cumulative		ilog solver	hoist, robot		benchmark, http://	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, http://	
BonfiettiZLM16 [64]	scheduling, order, activity, resource, precedence, make span	RCPSP	cumulative, disjunctive		or tools	automotive, automotive	automotive industry, control system industry	benchmark, generated instance, industrial instance, real world, https:// , github	edge finder, sweep
BoothNB16 [65]	scheduling, order, task, activity, resource, machine, precedence, distributed, re scheduling		cumulative, disjunctive, nooverlap	C++	cplex	medical, robot		real world	
BoucherBVBL97 [66]									

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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	offshore	ship repair industry	benchmark, generated instance, real life, industrial partner, supplementary material, https://, github	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, http://	
Caballero23 [71]	scheduling, resource	RCPSP						http:// , https://	
CampeauG22 [72]	scheduling, order, job, task, activity, resource, precedence, make span, completion time	RCPSP	cumulative, nooverlap, end-beforestart, alwaysin	python	cplex		mining industry	real world, real life, https://	edge finding
CappartS17 [73]	scheduling, order, job, task, activity, resource, machine, precedence, completion time, job shop, re scheduling		alternative constraint, cumulative, nooverlap, span constraint		OPL	railway		random instance, real life, https://, bitbucket	
CarchraeBF05 [74]	scheduling, order, task, make span								
Caseau97 [75]	scheduling, order, job, task, resource, preempt, make span, job shop		cumulative			robot		benchmark	edge finding
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		container terminal		benchmark, real life, http:// , https://, bitbucket	edge finding, not first, not last
CestaOS98 [77]	scheduling, job, resource					robot			
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, http://	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, job shop	jssp	disjunctive, nooverlap	java	or tools, cpo, mini zinc			benchmark, real world, http:// , https://, github	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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, job shop		disjunctive		cplex, solver, scheduler ilog ilog			benchmark	
Darby-DowmanLMZ97 [86]	scheduling, order, task, resource, machine, make span	single machine	disjunctive, span constraint	prolog	cplex, eclipse	aircraft, pipeline		benchmark, real world, real life, http://	
Davenport10 [87]	scheduling, order, resource, completion time, tardiness, release date, due date				cplex	semiconductor			
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			container terminal		benchmark, generated instance, real world, http:// , https:// , bit-bucket	edge finding, not first, not last
DejemeppeD14 [93]	scheduling, order, job, activity, resource, precedence, make span, job shop, setup time		cumulative			medical, patient		https:// , bit-bucket	
Demasse03 [94]									
DemirovicS18 [95]	scheduling, order, task, activity, resource, precedence		cumulative, disjunctive		gurobi, zinc	mini		benchmark, real world, http:// , https://	time tabling
Derrien15 [96]									
DerrienP14 [97]	scheduling, order, activity, resource, make span	psplib	cumulative	java	choco			random instance	edge finding, energetic reasoning, sweep
DerrienPZ14 [98]	scheduling, order, job, activity, resource, machine, precedence, make span, re scheduling	RCPSp	cumulative		choco, CHIP			benchmark, random instance, real world, http://	
DilkinaDH05 [100]	scheduling, order, job, machine, precedence, make span, job shop							http://	
DincbasSH90 [101]									
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	medical, nurse, patient			
DoulabiRP16 [104]									
EdisO11 [105]	scheduling, job, task, activity, resource, machine, preempt, make span, completion time, flow time, lateness, tardiness, due date	parallel machine	cumulative, nooverlap, bin packing		cplex, OPL				

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
EfthymiouY23 [106]	scheduling, order, job, task, machine, make span, job shop, setup time, re scheduling	jssp	cumulative, disjunctive	python	or tools	satellite, hoist, pipeline, electroplating		benchmark, generated instance, random instance, industrial instance, real life, https://	
ElkhyariGJ02 [107]	scheduling, task, activity, resource, machine, precedence, preempt, make span, due date, re scheduling	RCPSP	cumulative, disjunctive, table constraint						
ElkhyariGJ02a [108]									
Ertik91 [109]									
EscobetPQPRA19 [110]	scheduling, order, job, task, activity, resource, machine, job shop, release date, due date, distributed, batch process		alternative constraint, circuit, nooverlap		cplex, OPL	energy dairy	price, food industry, manufacturing industry	http:// , https://	
EvenSH15 [111]	scheduling, order, task, resource, machine, preempt, transportation, completion time, distributed		cumulative, disjunctive		choco			real world, real life, http://	sweep
EvenSH15a [112]	scheduling, order, task, resource, machine, preempt, transportation, completion time, distributed		cumulative, disjunctive	java	choco			real world, real life, http://	sweep
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, https://	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, flow shop, job shop, due date, setup time, distributed, batch process	single machine, parallel machine		java , python	cplex, gurobi, eclipse	semiconductor	manufacturing industry	benchmark, https://	max flow
FetgoD22 [116]									
FontaineMH16 [117]	scheduling, order, job, task, resource, machine, precedence, make span, completion time, job shop	parallel machine	disjunctive		gurobi, CHIP, mini zinc			benchmark, https://	
FortinZDF05 [118]	scheduling, order, task, activity, resource, precedence, make span, temporal constraint reasoning	psplib						http://	
FrankK05 [119]	scheduling, order, job, task, resource, precedence, due date					satellite, aircraft		benchmark	
FriedrichFMRSS14 [120]									
FrimodigS19 [121]	scheduling, order, job, task, resource, machine, job shop		cumulative, regular expression, bin packing	python	cplex, gecode, mini zinc	medical, physician, nurse, patient, radiation therapy		benchmark, real world, https://	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
FrohnerTR19 [122]									
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	datacenter, super computer		http://, https://	
GarganiR07 [125]	order, resource, machine, inventory		bin packing	C++	OPL	steel mill	steel industry	real life, http://	
GarridoAO09 [126]	scheduling, order, task, resource, precedence, make span, re scheduling		disjunctive	java	choco, cpo			benchmark, http://	
GarridoOS08 [127]	scheduling, order, task, activity, resource, machine, make span			java , c	choco, cpo			real world, http://	
GayHLS15 [128]	scheduling, order, task, activity, resource, precedence, make span	RCPSP, psplib	cumulative, disjunctive					benchmark, bit-bucket	edge finding, time tabling
GayHS15 [129]	scheduling, order, task, resource, precedence, preempt		cumulative, disjunctive, table constraint		gecode, or tools	choco,		http://, https://, bit-bucket	time tabling, sweep
GaySS14 [131]	scheduling, order, job, activity, resource, machine, precedence, make span, completion time, job shop, setup time, manpower, continuous process		cumulative, disjunctive			steel mill		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	cumulative, nooverlap		cplex	medical, nurse	manufacturing industry	benchmark, http://, https://	
GeibingerKKMMW21 [133]	scheduling, distributed				cplex, gurobi, gecode, or tools, mini zinc	medical, physician, nurse, patient, COVID	pharmaceutical industry	real world, http://, https://	
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, gecode, cpo, mini zinc	automotive, automotive		benchmark, generated instance, real world, real life, industrial partner, http://, https://	time tabling
GeibingerMM21 [136]	scheduling, order, job, task, activity, resource, machine, precedence, completion time, tardiness, release date, due date, lazy clause generation	RCPSP	cumulative, disjunctive		cplex, chuffed	cpo, nurse		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, jssp, single machine	cumulative		OPL	robot		real world, real life, http://, https://, github	not last, sweep
GelainPRVW17 [138]	scheduling, order, resource							benchmark, real life, http://	
Geske05 [139]									

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
GilesH16 [140]	scheduling, order, task, activity, resource, transportation, inventory, setup time		cumulative, disjunctive		cplex	pipeline	chemical industry, chemical processing industry, petrochemical industry		
GingrasQ16 [141]									
Godet21a [142]									
GodetLHS20 [143]									
GoelSHFS15 [144]	scheduling, order, task, activity, resource, machine, precedence, transportation, inventory, setup time		cumulative, disjunctive, nooverlap, alwaysin		cplex, OPL, cpo	pipeline		http://	
GokgurHO18 [145]									
GoldwaserS17 [146]	scheduling, order, resource, machine, transportation, due date, lazy clause generation		cumulative, disjunctive	python	gurobi, gencode	torpedo	steel industry	generated instance, instance generator, http:// , https:// , github	edge finding
Goltz95 [147]	scheduling, order, job, task, resource, machine, precedence, completion time, job shop, due date		cumulative, disjunctive	prolog	CHIP			benchmark	edge finding
GomesHS06 [148]									
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		cumulative, disjunctive				steel industry	benchmark	edge finding, time tabling
GrimesH11 [150]	scheduling, order, job, task, resource, machine, precedence, make span, cmax, completion time, tardiness, flow shop, job shop, open shop, release date, due date, lazy clause generation	RCPSp	cumulative, disjunctive		cplex, solver, scheduler	ilog, ilog		benchmark, http://	edge finding
GrimesHM09 [151]	scheduling, order, job, task, resource, machine, precedence, make span, job shop, open shop		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	energy price, real time pricing, HVAC		real world, real life, http://	
GroleazNS20 [154]	scheduling, order, job, resource, machine, precedence, preempt, inventory, tardiness, job shop, release date, due date, setup time		cumulative, circuit, nooverlap		or tools, cpo		food industry	benchmark, industrial instance, https://	
GroleazNS20a [153]									
GruianK98 [155]									
GuSS13 [156]	scheduling, order, activity, resource, machine, precedence, make span, distributed, lazy clause generation	single machine	cumulative					benchmark	edge finder, edge finding, time tabling

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
GurPAE23 [157]	scheduling, order, resource, machine, inventory, distributed, re scheduling		cumulative		cplex	physician, nurse, patient, COVID		real life, https://	
HachemiGR11 [158]	scheduling, order, job, task, activity, resource, precedence, transportation, make span, job shop		alldifferent		cplex, OPL, ilog scheduler	forestry, crew scheduling	food industry		
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	cumulative	python	claire	pipeline		generated instance, random instance, https://	energetic reasoning
He0GLW18 [161]	scheduling, order, machine, precedence, transportation, distributed, multi agent, re scheduling			python	gurobi	energy price, real time pricing		real world, http:// , https:// , bit-bucket	
HebrardTW05 [162]	scheduling, order, job, machine, job shop								
HechingH16 [163]	scheduling, order, job, task, manpower, re scheduling		circuit, nooverlap		cplex, OPL	medical, patient		real world	
HeinzB12 [164]	scheduling, order, job, activity, resource, machine, precedence, completion time, tardiness, 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	robot, crew scheduling		benchmark, generated instance, real world, http:// , https://	
HeinzS11 [167]									
HeinzSB13 [168]	scheduling, order, job, resource, machine, precedence, preempt, completion time, release date, due date	RCPSP, psplib, single machine	cumulative, disjunctive		cplex, mini zinc	satellite		benchmark, http://	edge finding, time tabling
HeinzSSW12 [166]	order, task, inventory		bin packing		cplex	steel mill	process industry, in-steel	real world, http://	
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, http://	
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			steel mill			

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Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
HermenierDL11 [174]	scheduling, order, task, resource, machine, precedence, completion time, producer consumer, distributed		alldifferent, cumulative, disjunctive, table constraint, bin packing		choco	datacenter		http://	
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, https://	
HoYCLLC18 [176]									
HoeveGSL07 [373]									
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, http://	
Hooker17 [181]	scheduling, order, job, resource, tardiness, due date		circuit					benchmark, random instance	
HookerY02 [182]	scheduling, order, job, resource, machine	RCPSP	cumulative, disjunctive					http://	
HoundjiSWD14 [183]	scheduling, order, resource, machine, precedence, transportation, inventory, due date	single machine	circuit					generated instance, http://, https://, bit-bucket	
HubnerGSV21 [184]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, transportation, inventory, make span, cmax, completion time, tardiness, due date	RCPSP	alternative constraint, cumulative, endbeforestart	c	cplex, gurobi	automotive, automotive		benchmark, real life, http://, https://	
IfrimOS12 [185]	scheduling, order, job, task, resource, machine, due date, distributed, re scheduling		disjunctive			datacenter, energy price		real life, http://	
IsikYA23 [186]	scheduling, order, job, task, resource, machine, precedence, preempt, sequence dependent setup, transportation, make span, cmax, completion time, tardiness, flow shop, job shop, release date, due date, setup time, distributed, batch process	single machine, parallel machine	cumulative, circuit, nooverlap, endbeforestart		cplex, OPL	medical, robot	steel industry	benchmark, generated instance, real world, real life, http://, https://	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	jssp, parallel machine	alldifferent, cumulative, disjunctive, nooverlap, endbeforestart	C++	mistral, cpo			benchmark, supplementary material, http://, https://, github	edge finding, not first, not last

Table 7: 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, https://	
KamarainenS02 [190]	scheduling, order, job, activity, resource, machine, precedence, preempt, transportation, job shop				eclipse			benchmark, real world, http://	
Kameugne15 [191]	scheduling, task, resource, preempt, completion time		cumulative					http://	edge finding, not first, not last
KameugneFGOQ18 [192]	scheduling, order, task, resource, precedence, make span, cmax, completion time	RCPSP	cumulative, disjunctive	java	choco, CHIP			benchmark, real world, http:// , https://	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	cumulative, disjunctive	java	choco, CHIP			benchmark, http:// , https://	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	cumulative, disjunctive		gecode			benchmark, http://	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	cumulative, disjunctive		gecode, CHIP			benchmark, random instance, http://	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		alldifferent		cplex, mini zinc	satellite, earth observation		real world, http://	
KelbelH11 [198]	scheduling, order, job, task, resource, machine, precedence, preempt, inventory, make span, completion time, tardiness, job shop, release date, due date, distributed	jssp	cumulative, disjunctive		cplex, OPL, ilog solver			benchmark, generated instance, random instance, http://	edge finder, edge finding
KeriK07 [199]	scheduling, order, job, activity, resource, precedence, make span, cmax, tardiness, job shop, due date, temporal constraint reasoning	RCPSP		C++				http://	edge finding
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, http://	
KhemmoudjPB06 [201]	scheduling, order, resource, stock level, distributed		cumulative	C++	CHIP			real world	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
KimCMLLP23 [202]	scheduling, order, job, machine, precedence, transportation, make span, tardiness, job shop, open shop, due date, setup time, distributed	parallel machine	nooverlap	python	gurobi, or tools		steel industry	benchmark, real world, https://, 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, https://	
KletzanderM17 [204]	scheduling, order, resource, machine, transportation	parallel machine				torpedo	steel industry	http://	
KoehlerBFFHPSSS21 [205]	scheduling, order, job, task, resource, machine, precedence, make span, flow time, lateness, tardiness, flow shop, job shop	single machine	alldifferent, cumulative, disjunctive, circuit	python, c	cplex, gurobi, or tools, OPL, Z3, chuffed, mini zinc	robot, cable tree, automotive, automotive		benchmark, real world, http:// , https:// , github	
KorbaaYG00 [207]									
KorbaaYG99 [206]									
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	semiconductor		benchmark	
KovacsB08 [209]									
KovacsB11 [210]	scheduling, order, job, activity, resource, machine, precedence, preempt, make span, completion time, flow time, tardiness, 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, flow shop, job shop, release date, due date	single machine		C++	cplex, gecode, ilog solver			http://	
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, http:// , https:// , 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, http://	edge finding
KovacsV06 [214]	scheduling, order, job, task, resource, machine, precedence, make span, tardiness, job shop, setup time	RCPSP, single machine	cumulative		ilog scheduler	automotive, automotive		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, http://	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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, http://	edge finding
KrogtLPHJ07 [372]	scheduling, order, job, activity, resource, machine, precedence, inventory, job shop, due date		circuit	prolog	OPL	aircraft, semi-conductor		real world	
KuchcinskiW03 [218]	scheduling, order, resource, precedence, distributed		circuit	java		pipeline		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, job shop, release date, due date, setup time		alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart	c	OPL, cpo	satellite, aircraft		benchmark, real world, http://	
Laborie18a [221]	scheduling, job, task, resource, machine, precedence, release date, due date		alternative constraint, cumulative		OPL, cpo, ilog scheduler			benchmark, real world, real life, http:// , https://	energetic reasoning
LaborieRSV18 [222]	scheduling, order, job, task, activity, resource, machine, precedence, sequence dependent setup, transportation, inventory, make span, tardiness, 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, OPL, CHIP, cpo, ilog solver, ilog scheduler	satellite, aircraft, pipeline, semiconductor, robot, container terminal, railway	chemical industry, petro chemical industry	benchmark, real world, http:// , https://	edge finding
LacknerMMWW21 [223]	scheduling, order, job, task, machine, make span, lateness, tardiness, flow shop, release date, due date, setup time, batch process	single machine, parallel machine	cumulative, nooverlap, endbeforestart		cplex, gurobi, or tools, OPL, cpo, chuffed, mini zinc	semiconductor, oven scheduling	electronics industry, manufacturing industry, steel industry	benchmark, instance generator, random instance, real life, industrial partner, supplementary material, https://	
LacknerMMWW23 [224]	scheduling, order, job, task, machine, make span, lateness, tardiness, job shop, release date, due date, setup time, batch process	single machine, parallel machine	alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart, bin packing		cplex, gurobi, or tools, OPL, cpo, chuffed, mini zinc	semiconductor, oven scheduling	electronics industry, manufacturing industry, steel industry	benchmark, instance generator, random instance, real life, industrial partner, http:// , https:// , 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, http://	energetic reasoning

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Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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,	datacenter	benchmark, random instance, http://	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, http://	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, http://	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		robot	benchmark	
LiessM08 [232]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, cmax, job shop	RCPSP, psplib	cumulative, disjunctive	C++				benchmark, http://	edge finding
LimBTBB15 [235]	scheduling, order, job, machine, tardiness, job shop, multi agent, re scheduling						HVAC	benchmark, http://	time tabling
LimHTB16 [234]	scheduling, order, activity, machine, distributed, multi agent, re scheduling		cumulative				energy price, real time pricing, HVAC	real world, http://	
LimRX04 [233]	scheduling, order, job, machine, preempt, transportation, completion time						container terminal	generated instance	
Limtanyakul07 [236]									
LimtanyakulS12 [237]	scheduling, order, job, activity, resource, machine, precedence, completion time, tardiness, release date, due date		cumulative, disjunctive, table constraint, bin packing		cplex, scheduler	ilog	robot, automotive, automotive	automotive industry	benchmark, edge finding, generated instance, random instance, real life, industrial partner, http:// , https:// , github
LiuCGM17 [239]	scheduling, order, task, activity, machine, transportation, cmax			python	or tools, zinc	mini	tourism industry		
LiuJ06 [240]									
LiuLH19 [238]									
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++		hoist		benchmark, industrial instance, real life	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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, flow shop, job shop, due date, setup time, manpower, distributed, re scheduling, lazy clause generation	RCPSP, psplib, parallel machine	cumulative, disjunctive, circuit		or tools	aircraft	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	pipeline	oil industry	benchmark, real world, http://	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		nooverlap, end-beforestart	python	cplex			benchmark, generated instance, random instance, https:// , github	
Madi-WambaB16 [251]	scheduling, order, job, task, resource, precedence		cumulative	java	choco, CHIP			benchmark, generated instance, random instance, real world, http:// , https://	
Madi-WambaLOBM17 [252]									
MakMS10 [253]									
MalapertN19 [254]	scheduling, order, job, task, resource, machine, sequence dependent setup, make span, cmax, completion time, flow time, setup time	single machine, parallel machine	alternative constraint, cumulative, nooverlap, alwaysin		cplex, cpo	semiconductor		benchmark, generated instance, industrial instance, http:// , https://	
Malik08 [255]									
MalikMB08 [256]									
MaraveliasG04 [257]					OZ eclipse, solver				
MartinPY01 [258]	scheduling, order, task, resource, machine, transportation, re scheduling		circuit	prolog		ilog	aircraft, railway	real life	
Mason01 [259]	scheduling, order, task, activity, transportation				cplex		nurse, crew scheduling, railway	http://	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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	jssp, single machine, parallel machine		python	cplex	COVID, robot		random instance, https://	
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, http://	
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, flow shop, job shop, open shop, setup time, distributed, batch process	parallel machine	alternative constraint, nooverlap, endbeforestart		cplex, gurobi, gecode, or tools, OPL	semiconductor, robot		benchmark, supplementary material, https://	
Mercier-AubinGQ20 [263]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, make span, completion time, tardiness, job shop, due date, setup time, lazy clause generation	RCPPSP	cumulative, disjunctive, circuit	python, C++	mini zinc		manufacturing industry, textile industry	industrial instance, industrial partner, http:// , https://	
MokhtarzadehTNF20 [264] MonetteDD07 [265]	scheduling, order, job, task, resource, machine, precedence, preempt, no preempt, make span, completion time, job shop, open shop		disjunctive		gecode			benchmark	edge finding, not first, not last
MonetteDH09 [266] MontemanniD23 [268]	scheduling, order, task, resource, machine, distributed		circuit	python	gurobi, or tools	robot		benchmark, supplementary material, https://	
MontemanniD23a [267]	scheduling, order, task, transportation, completion time		circuit	python	or tools			benchmark, http:// , https://	
MossigeGSMC17 [269]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, completion time, job shop, distributed	RCPPSP, single machine	cumulative, disjunctive	prolog	CHIP, sicstus	robot, rectangle packing		benchmark, generated instance, random instance, real world, industrial partner, http://	
MouraSCL08 [271]	scheduling, order, activity, resource, precedence, preempt, transportation, inventory, distributed		disjunctive, table constraint	C++	ilog solver, ilog scheduler	pipeline			max flow
MouraSCL08a [270]									

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
MullerMKP22 [272]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, cmax, completion time, job shop, due date, setup time, batch process		disjunctive, circuit	java , python	cplex, gencode, choco, or tools, OPL, chuffed, mini zinc	semiconductor, robot		benchmark, random instance, real world, https://, github	
MurinR19 [273]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, make span, completion time, job shop, setup time		alternative constraint, nooverlap, endbeforestart		cplex, OPL	patient, robot		benchmark, real life, https://, github	
MurphyMB15 [274]	scheduling, order, task, activity, resource, machine, re scheduling		cumulative, disjunctive, circuit	java	choco			real world, http://	
Muscettola02 [275]	scheduling, order, job, activity, resource, precedence, cmax, job shop							http://	max flow, edge finding
NattafAL15 [276]	scheduling, order, task, activity, resource, preempt, make span, release date, due date	RCPPSP	cumulative	C++	cplex			generated instance, http://	energetic reasoning, sweep
NattafAL17 [277]	scheduling, order, job, task, activity, resource, make span, release date		cumulative, disjunctive	C++	cplex			real world, http://	edge finding, energetic reasoning
NattafM20 [278]	scheduling, order, job, resource, machine, make span, completion time, flow time, setup time	single machine, parallel machine	cumulative, nooverlap		cplex, cpo	semiconductor		benchmark, industrial instance, http://, https://	
NishikawaSTT18 [280]									
NishikawaSTT18a [281]									
NishikawaSTT19 [282]									
NovaraNH16 [283]	scheduling, order, job, task, activity, resource, machine, precedence, sequence dependent setup, make span, completion time, tardiness, due date, setup time, manpower, re scheduling, batch process		alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart		cplex, OPL		pharmaceutical industry	benchmark, http://	
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	cumulative, nooverlap, endbeforestart		cplex, OPL	semiconductor, medical, robot		benchmark, https://	
NovasH10 [285]	scheduling, order, job, task, activity, resource, machine, precedence, make span, completion time, lateness, tardiness, due date, setup time, manpower, re scheduling, batch process				OPL, ilog scheduler	pipeline		http://	
NovasH12 [286]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, make span, completion time				OPL, solver, scheduler	ilog ilog hoist, semiconductor, robot, electroplating, container terminal			

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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	robot	benchmark, http://	
OddiPCC03 [288]	scheduling, order, task, activity, resource, machine, precedence, preempt, completion time, distributed	single machine		java			satellite, earth observation	benchmark, http://	
OuelletQ13 [289]	scheduling, order, task, resource, precedence, preempt, make span, completion time	RCPSP, psplib	cumulative, disjunctive		choco			benchmark, http://	edge finder, edge finding, not first, not last, energetic reasoning, time tabling, sweep
OuelletQ18 [290]	scheduling, order, task, resource, precedence, make span, completion time	RCPSP, psplib	cumulative, disjunctive	java	choco			benchmark, https://	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	nurse		benchmark, random instance, https:// , 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	disjunctive, nooverlap, span constraint		OPL, cpo	COVID, robot	food industry, steel industry	benchmark, industrial instance, real world, real life, https://	
OzturkTHO13 [293]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, make span, cmax, completion time, flow shop, setup time		cumulative, disjunctive		cplex, CHIP, solver	OPL, ilog		real world, real life, http://	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	alternative constraint, cumulative, endbeforestart		cplex, OPL	semiconductor		benchmark, https://	
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	cumulative, disjunctive, table constraint	C++	CHIP, ilog solver	claire, hoist		benchmark, http://	edge finder, edge finding, energetic reasoning
PapeB97 [295]									
ParkUJR19 [297]									
PembertonG98 [298]									
PerezGSL23 [299]	scheduling, order, task, activity, resource, machine, transportation, inventory, make span, completion time, re scheduling		cumulative, table constraint				steel mill, nurse, container terminal	generated instance, real world	in-real

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
PesantRR15 [301] PoderB08 [303] PoderBS04 [304]	scheduling, order, activity, transportation, lazy clause generation		cumulative, table constraint		gurobi, gecode, ilog solver			http://	
PohlAK22 [305]	scheduling, order, job, activity, resource, machine, precedence, sequence dependent setup, transportation, inventory, completion time, lateness, tardiness, release date, setup time, re scheduling	single machine	cumulative, nooverlap	python	cplex, gurobi	aircraft		benchmark, real world, http:// , https://	
Polo-MejiaALB20 [306] PopovicCGNC22 [307]	scheduling, order, task, activity, resource, machine, transportation, make span, completion time		cumulative, nooverlap, alwaysin	C++ , prolog	cplex, sicstus	CHIP, pipeline	electricity industry	https://	
PourDERB18 [308]	scheduling, order, job, task, machine, transportation				cplex, or tools	crew scheduling, railway		benchmark, generated instance, real world, real life, http://	
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	aircraft, automotive, auto-motive	benchmark, industrial instance, real world, real life, https:// , 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, satellite		benchmark, http://	
PraletLJ15 [311]	scheduling, order, job, task, activity, resource, precedence, make span, tardiness, job shop, due date	jssp	alternative constraint, nooverlap		cplex, cpo	satellite, earth observation			
PrataAN23 [312]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, sequence dependent setup, inventory, make span, completion time, flow time, lateness, tardiness, flow shop, job shop, open shop, release date, due date, setup time, distributed, re scheduling, batch process	single machine, parallel machine	cumulative, circuit		CHIP	aircraft, energy dairy, robot, price, manufacturing industry		benchmark, real world, real life, http:// , https://	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	container terminal, yard crane		benchmark, real life, https://	
QinWSLS21 [314]	scheduling, order, job, machine, preempt, make span, cmax, completion time, lateness, tardiness, flow shop, job shop, batch process	single machine		C++	cplex	agriculture, semiconductor		https://	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
QuSN06 [316] QuirogaZH05 [317] RendlPHPR12 [318]	scheduling, order, job, machine, transportation, re scheduling			java		medical, nurse, patient		benchmark, real world, http://	
RiahiNS018 [319] RodosekW98 [320]	scheduling, order, job, task, activity, resource, machine, transportation, make span		disjunctive, circuit	prolog	cplex, OPL, CHIP, eclipse	hoist, electroplating		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	alternative constraint, cumulative, disjunctive, nooverlap, endbeforestart	java	cplex, cpo	container terminal		benchmark, real world, real life, https:// , 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	disjunctive, bin packing		cplex, CHIP	aircraft		benchmark, real world, http://	edge finder, edge finding
SchausHMCMD11 [326]	order, task		bin packing			steel mill	steel industry	benchmark, generated instance, http://	
SchildW00 [327]	scheduling, order, job, task, resource, machine, precedence, completion time, flow shop, job shop, distributed	single machine	disjunctive, bin packing		ilog solver	automotive, automotive	aerospace industry, automotive industry	http://	edge finding, time tabling
SchuttCSW12 [328]	scheduling, order, activity, resource, precedence, preempt, make span, lazy clause generation		cumulative		CHIP			benchmark, http://	
SchuttFS13 [330]	scheduling, order, job, task, activity, resource, machine, precedence, make span, completion time, job shop, lazy clause generation	RCPSp	alternative constraint, cumulative, disjunctive, span constraint		mini zinc			benchmark, http://	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, http://	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, http://	edge finder, edge finding, not first, not last
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, http://	

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Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
SchuttW10 [334]	scheduling, order, task, activity, resource, preempt, make span, release date, due date, lazy clause generation	RCPSP, psplib	cumulative, disjunctive	java	CHIP	rectangle packing		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, http://	
ShaikhK23 [336]									
ShiYXQ22 [337]									
ShinBBHO18 [338]	scheduling, order, job, task, activity, resource, machine, preempt, transportation, inventory					medical, physician, nurse, patient		real world, http:// , https:// , github	
Siala15 [339]	scheduling, resource		disjunctive					benchmark, http://	
SialaAH15 [340]	scheduling, order, job, task, resource, machine, precedence, make span, cmax, tardiness, job shop, open shop, setup time, lazy clause generation	RCPSP, jssp	cumulative, disjunctive		mistral			benchmark, http:// , github	edge finding
SimoninAHL12 [341]	scheduling, order, task, activity, resource, precedence, preempt		cumulative, disjunctive, span constraint		CHIP	satellite			sweep
SimoninAHL15 [342]	scheduling, order, task, activity, resource, precedence, preempt, transportation, inventory, make span		cumulative, disjunctive, span constraint		CHIP	satellite, earth observation, pipeline, robot			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 aircraft, medical, nurse, patient			bi partite matching, time tabling, sweep
Simonis95 [343]	scheduling, order, task, resource, machine, precedence, transportation, producer consumer		cumulative, diffn, circuit	prolog	CHIP	aircraft	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	aircraft, pipeline	food industry	real life	
SquillaciPR23 [346]	scheduling, order, task, activity, resource, distributed, multi agent		nooverlap	python	cplex	satellite, earth orbit, earth observation		benchmark, https:// , github	
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	offshore		benchmark, real world, real life, https://	
SunLYL10 [349]									
SureshMOK06 [350]									

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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	endbeforestart, alwaysin, span constraint, bin packing	java	cplex, cpo	semiconductor	manufacturing industry	real world, https://	
TangLWSK18 [353]									
TardivoDFMP23 [354]	scheduling, order, task, activity, resource, precedence, preempt, make span, lazy clause generation	RCPSP, psplib	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]									
Tay92 [357]									
Teppan22 [358]									
Tesch16 [359]	scheduling, order, job, resource, precedence, make span, completion time	RCPSP, psplib	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	cumulative					https://	edge finding, not last, energetic reasoning, time tabling, sweep
ThiruvadyBME09 [361]									
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]									
TopalogluO11 [364]	scheduling, order, task, preempt, transportation, distributed, re scheduling				cplex, OPL, ilog solver	medical, physician, nurse, patient		real life, http://	time tabling
TouatBT22 [365]									
Touraivane95 [366]	scheduling, order, task			prolog		crew scheduling		real life	
TrojetHL11 [367]									
Tsang03 [368]	scheduling, resource							real life	time tabling
ValleMGTO3 [369]									
VanczaM01 [374]	scheduling, order, task, resource, machine, precedence		disjunctive			robot		real world, real life, http://	
VerfaillieL01 [375]	scheduling, order, job, task, job shop, open shop				cplex, OPL	satellite, earth observation		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

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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, job shop	RCPSP, psplib	cumulative, disjunctive, nooverlap		cplex, cpo	rectangle packing		benchmark, http://	time tabling
VillaverdeP04 [386]									
VlkHT21 [387]	scheduling, order, resource, precedence, completion time, tardiness, due date, distributed		alternative constraint, nooverlap		cplex, gurobi, Z3	robot, automotive, automotive		benchmark, random instance, industrial partner, http:// , https:// , 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	aircraft, robot, automotive, railway, automotive	automotive industry, process industry	time tabling
WallaceY20 [389]	scheduling, order, job, task, resource, machine, transportation, flow shop, job shop, lazy clause generation		cumulative, disjunctive, circuit		cplex, gurobi, gecode, chuffed, mini zinc	hoist, robot, electroplating, container terminal, yard crane		benchmark, random instance, real world, real life, http:// , https://	edge finding, time tabling
WangB20 [390]	scheduling, order, job, task, resource, machine, distributed		alldifferent		gurobi	aircraft		http:// , https:// , github	
WangB23 [391]	scheduling, order, job, task, resource, transportation, lazy clause generation		alldifferent		gurobi	aircraft, crew scheduling		random instance, real world, http://	
WangMD15 [392]	scheduling, order, job, task, activity, resource, precedence, make span, cmax, completion time, job shop, re scheduling		cumulative, nooverlap		cplex	medical, physician, nurse, patient		real world, real life, http:// , https://	time tabling
WatsonB08 [393]	scheduling, order, job, resource, machine, make span, cmax, completion time, job shop		disjunctive	C++	ilog scheduler			benchmark, real world	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
WessenCS20 [394]	scheduling, order, job, task, precedence, make span, completion time, job shop, multi agent		circuit		gecode	robot		real world, http:// , https://	
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, fssp	cumulative, disjunctive		eclipse	robot			
WinterMMW22 [396]	scheduling, order, job, task, resource, machine, precedence, completion time, tardiness, release date, due date, setup time, distributed	parallel machine	alternative constraint, nooverlap		cplex, gurobi, cpo	farming	agricultural industry, manufacturing industry	benchmark, real life, industrial partner, industry partner, supplementary material, https:// , zenodo	
Wolf03 [397]	scheduling, order, job, task, activity, resource, machine, preempt, make span, completion time, job shop		cumulative, disjunctive	java		pipeline		benchmark	edge finding, not first, not last, sweep
Wolfs05 [398]									
WolinskiKG04 [399]									
WolinskiKG04a [400]									
WuBB05 [401]	scheduling, job, resource, make span, release date				ilog scheduler			benchmark	
YangSS19 [402]	scheduling, order, task, activity, resource, machine, preempt, completion time, lazy clause generation		cumulative, disjunctive	prolog	gecode, choco, or tools, CHIP, sicstus	rectangle packing		generated instance, https://	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, mini zinc			benchmark, instance generator, http:// , https:// , 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	nooverlap					benchmark, http:// , https:// , 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, fssp	cumulative, endbeforestart		cplex, OPL		pharmaceutical industry	benchmark, real world, https:// , github	
ZarandiKS16 [407]	scheduling, order, job, task, resource, machine, preempt, transportation, make span, completion time, tardiness, flow shop, job shop, due date, distributed	single machine			ilog solver	robot		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 robot		http://	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
ZeballosQH10 [409]	scheduling, order, job, task, activity, resource, machine, precedence, preempt, transportation, make span, cmax, completion time, tardiness, job shop, due date				cplex, eclipse, solver, scheduler	OPL, ilog, ilog	robot	benchmark, real world, http://	
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				semiconductor	benchmark	
ZhangLS12 [413]									
ZhangW18 [412]	scheduling, order, job, resource, machine, precedence, preempt, transportation, make span, completion time, flow time, lateness, tardiness, flow shop, job shop, setup time, distributed, multi agent, re scheduling		cumulative, nooverlap		cplex, OPL, Z3	robot		benchmark, http://	
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	robot		benchmark, https://	
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]									
ZhuS02 [417]									
ZibranR11 [418]									
ZibranR11a [419]									
abs-0907-0939 [302]									
abs-1901-07914 [41]	scheduling, order, task, resource, machine, make span, distributed, multi agent			python	or tools, zinc	mini robot		benchmark, real world, http:// , https:// , github	
abs-1902-01193 [8]	scheduling, order, task, activity, resource			python, C++ , prolog	CHIP, solver	ilog	medical, nurse		time tabling
abs-1902-09244 [160]	scheduling, order, job, task, activity, resource, machine, precedence, transportation, inventory, make span, completion time, tardiness, flow shop, job shop, release date, due date, setup time	RCPSP	cumulative, endbeforestart		cplex, OPL	aircraft	food processing industry, steel industry	benchmark, real world, industry partner, https://	

Table 7: Keywords by Work and Domains

Work	Concepts	Classification	Constraints	ProgLanguages	CPSystems	Areas	Industries	Benchmarks	Algorithm
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	automotive, automotive		benchmark, generated instance, instance generator, real world, real life, industrial partner, http:// , https:// , 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	semiconductor		benchmark, generated instance, random instance, https://	
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	robot		benchmark, generated instance, real world, http:// , https://	
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, https:// , github	
abs-2312-13682 [300]	scheduling, order, task, activity, resource, machine, transportation, inventory, make span, re scheduling		cumulative, table constraint			steel mill, nurse, container terminal		generated instance, real world	
abs-2402-00459 [279]	scheduling, order, job, task, resource, machine, precedence, completion time, tardiness, job shop, due date, multi agent	single machine	cumulative, disjunctive, bin packing		or tools		mining industry	benchmark, generated instance, instance generator, real world, http:// , https:// , 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, https:// , 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, http://	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 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	BOM	SubulanC22[347]		
Concepts	activity	AalianPG23[1], PovedaAA23[309], TardivoDFMP23[354], CampeauG22[72], SubulanC22[347], 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], Li-uCGM17[239], Pralet17[310], YoungFS17[403], KreterSS17[217], BonfiettiZLM16[64], Cauwe-laertDMS16[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], HachemiGR11[158], KovacsB11[210], SchuttFSW11[332], LombardiM10[244], LopesCSM10[246], NovasH10[285], ZeballosQH10[409], LombardiM09[243], Vilim09[380], cpaior-Vilim09[381], DoomsH08[102], MouraSCL08[271], LiessM08[232], DavenportKRSH07[88], KeriK07[199], BeniniBGM06[50], FortinZDF05[118], Vilim05[379], VilimBC05[384], ZeballosH05[408], HentenryckM04[172], Vilim04[378], VilimBC04[383], OddiPCC03[288], ElkhyariGJ02[107], Muscettola02[275], BaptisteP00[29], SakkoutW00[325], PapaB98[296], BaptisteP97[28]	Bit-Monnot23[55], YuraszeckMCCR23[406], BoudreaultSLQ22[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], SchuttFSW09[331], GarridoOS08[127], KrogtLPHJ07[372], Simonis07[344], KhayatLR06[200], DannaP03[85], Bartak02[33], KamarainenS02[190], Mason01[259], RodosekW98[320]	PrataAN23[312], PerezGSL23[299], Squil-laciPR23[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], abs-1902-01193[8], DemirovicS18[95], 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], SchuttW10[334], Laborie09[220], ArtiouchineB05[18], Kumar03[219], Wolf03[397], BeldiceanuC02[42], Vilim02[376], Timpe02[362], HeipckeCCS00[171], BeckDF97[37], Colombani96[84], Wallace96[388], Puget95[313]
Concepts	allen's algebra			
Concepts	batch process	LacknerMMWW23[224], Lackner-MMWW21[223], QinWSLS21[314], NovaraNH16[283], KoschB14[208]	TangB20[352], NovasH10[285], Vilim02[376], SimonisC95[345]	PrataAN23[312], IsikYA23[186], YuraszeckMCCR23[406], GeitzGSSW22[137], LiFJ-ZLL22[231], OujanaAYB22[292], AbreuN22[89], MullerMKP22[272], KlankeBYE21[203], FanXG21[115], ZhangYW21[411], MengZRZL20[262], EscobetPQPRA19[110], FahimiOQ18[113], LaborieRSV18[222], Cauwe-laertDMS16[76], GrimesH10[149], Simonis07[344], VilimBC05[384], ArtiguesBF04[16], Vilim04[378], Simonis07[344]
Concepts	bill of material			
Concepts	buffer capacity			LiFJZLL22[231], OujanaAYB22[292], NovasH14[287], ZeballosH05[408]

Table 8: 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], abs-2211-14492[348], ArmstrongGOS21[13], AbohashimaEG21[2], QinWSLS21[314], MengZRZL20[262], QinDCS20[315], MalapertN19[254], WikarekS19[395], KameugneFGOQ18[192], GedikKEK18[132], VilimLS15[385], Ozturk-THO13[293], BillautHL12[54], GrimesH11[150], LahimerLH11[225], GrimesH10[149], ZeballosQH10[409], ArtiguesBF04[16], PapaB98[296]	Mehdizadeh-Somarin23[260], ArmstrongGOS22[14], BoudreaultSLQ22[67], MullerMKP22[272], Novas19[284], WangMD15[392], Muscettola02[275]	JuvinHL23[189], HanenKP21[159], HubnerGSV21[184], ZhangYW21[411], BofillCSV17[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], MehdiZadeh-Somarin23[260], OuelletQ22[291], AbreuN22[89], SubulanC22[347], ArmstrongGOS21[13], KlankeBYE21[203], LunardiBLRV20[249], QinDCS20[315], KameugneFGOQ18[192], FahimiOQ18[113], GedikKEK18[132], ZhangW18[412], DjemeppeCS15[92], KoschB14[208], OuelletQ13[289], HeinzSB13[168], Ozturk-THO13[293], KelbelH11[198], KovacsB11[210], KovacsK11[212], Vilim09[380], cpaior-Vilim09[381], ChuX05[79], ZeballosH05[408], Wolf03[397], 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], 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], MonetteDD07[265], VilimBC05[384], ArtiguesBF04[16], LimRX04[233], Vilim04[378], VilimBC04[383], Zhou97[415], Goltz95[147]	abs-2402-00459[279], JuvinHHL23[188], PerezGSL23[299], AkramNHRSa23[7], IsikYA23[186], MontemanniD23a[267], abs-2306-05747[356], ArmstrongGOS22[14], GeitzGSSW22[137], PopovicCGNC22[307], WinterMMW22[396], ZhangJZL22[410], CampeauG22[72], PohlAK22[305], HubnerGSV21[184], PandeyS21a[294], VlkHT21[387], WessenCS20[394], AstrandJZ20[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], ClercqPBj11[81], LahimerLH11[225], LombardiBMB11[242], Vilim11[382], SchuttFSW11[332], BertholdHMLS10[52], Davenport10[87], LombardiM10[244], DoomsH08[102], WatsonB08[393], AkkerDH07[370], ArtiouchineB05[18], Vilim05[379], HentenryckM04[172], Sadykov04[323], OddiPCC03[288], HeipckeCCS00[171], PapaB98[296], Zhou96[414]
Concepts	continuous process			GaySS14[131], Bartak02[33], SimonisC95[345]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	distributed	PrataAN23[312], MengZRZL20[262], He0GLW18[161], BonfiettiLM14[63], Bar- takS11[34], RossiTHP07[321]	IsikYA23[186], OujanaAYB22[292], AbreuN22[89], ZhangW18[412], ZarandiKS16[407], AlesioNBG14[99], Her- menierDL11[174], LopesCSM10[246], BeniniBGM06[50], SchildW00[327], Wal- lace96[388]	Bit-Monnot23[55], KimCMLLP23[202], SquillaciPR23[346], YuraszeckMC23[405], AkramNHRSA23[7], GurPAE23[157], Mon- temanniD23[268], abs-2305-19888[170], BoudreaultSLQ22[67], LiFJZLL22[231], Win- terMMW22[396], HeinzNVH22[169], abs-2211- 14492[348], GeibingerKKMMW21[133], Kovac- sTKSG21[215], FanXG21[115], PandeyS21a[294], VlkHT21[387], ZhangYW21[411], WangB20[390], SacramentoSP20[322], GalleguillosKSB19[124], EscobetPQPRA19[110], Novas19[284], WikarekS19[395], abs-1901-07914[41], FahimiOQ18[113], LaborieRSV18[222], MossigeGSMC17[269], BoothNB16[65], LimHTB16[234], EvenSH15[111], Lom- bardiBM15[241], EvenSH15a[112], KoschB14[208], GrimesIOS14[152], GuSS13[156], BonfiettiLBM12[62], IF- rimOS12[185], LombardiM12[245], Cler- cqPBJ11[81], KelbelH11[198], Ko- vacsB11[210], TopalogluO11[364], CobanH10[82], LauLN08[226], MouraSCL08[271], Khem- moudjPB06[201], AbrilSB05[3], Hooker05[178], VilimBC05[384], Hooker04[177], VilimBC04[383], OddiPCC03[288], KuchcinskiW03[218], SakkoutW00[325], PapaB98[296]
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], Zebal- losQH10[409], KrogtLPHJ07[372], Simo- nis07[344], Hooker06[180], Sadykov04[323], PapaB98[296], Zhou97[415], Colombani96[84], Zhou96[414]	PrataAN23[312], IsikYA23[186], Lackner- MMWW23[224], WinterMMW22[396], abs- 2211-14492[348], GeibingerMM21[136], Lack- nerMMWW21[223], GeibingerMM19[135], FahimiOQ18[113], ZarandiKS16[407], Grime- sIOS14[152], HeinzSB13[168], GrimesH11[150], Davenport10[87], SchuttW10[334], ChuX05[79], cp-Hooker05[179], ZeballosH05[408], Belhad- jiI98[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], Lu- nardiBLRV20[249], EscobetPQPRA19[110], Laborie18a[221], GedikKEK18[132], Labori- eRSV18[222], Hooker17[181], Pralet17[310], PraletLJ15[311], NattafAL15[276], Bil- lautHL12[54], HeinzB12[164], IfrimOS12[185], LombardiM12[245], ClercqPBJ11[81], EdisO11[105], KovacsB11[210], Ko- vacsK11[212], LopesCSM10[246], Laborie09[220], AkkerDH07[370], BeldiceanuP07[45], KeriK07[199], KhayatLR06[200], FrankK05[119], Hooker05[178], HentenryckM04[172], ElkhyariGJ02[107], Timpe02[362], Baptis- teP00[29], HeipckeCCS00[171], BaptisteP97[28], Goltz95[147], SimonisC95[345]
Concepts	earlyness			

Table 8: 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], Arm- strongGOS21[13], QinWSLS21[314], As- trandJZ20[22], MengZRZL20[262], Novas19[284], ZhangW18[412]	Mehdizadeh-Somarin23[260], FanXG21[115], KoehlerBFFHPSSS21[205], TangB20[352], abs-1902-09244[160], LaborieRSV18[222], GrimesH11[150], KovacsB11[210]	AalianPG23[1], JuvinHHL23[188], YuraszeckM- CCR23[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], Ko- vacsK11[212], GrimesH10[149], BarlattCG08[31], LauLN08[226], BaptisteP00[29], SchildW00[327], PapaB98[296], BaptisteP97[28], SimonisC95[345]
Concepts	flow time	FanXG21[115], NattafM20[278], MalapertN19[254], ZhangW18[412]	PrataAN23[312]	YuraszeckMC23[405], YuraszeckMCCR23[406], abs-2306-05747[356], LiFJZLL22[231], AbreuN22[89], KoehlerBFFHPSSS21[205], MengZRZL20[262], Novas19[284], EdisO11[105], KovacsB11[210]
Concepts	inventory	SubulanC22[347], GilesH16[140], GoelSHFS15[144], SerraNM12[335], LopesCSM10[246], RossiTHP07[321], Timpe02[362], BeckDF97[37]	Novas19[284], LauLN08[226], portKRSH07[88], GarganiR07[125]	Daven- PrataAN23[312], PerezGSL23[299], Gur- PAE23[157], abs-2312-13682[300], AbreuN22[89], PohlAK22[305], KovacsTKSG21[215], HubnerGSV21[184], GroleazNS20[154], WikarekS19[395], abs-1902-09244[160], Labori- eRSV18[222], ShinBBHO18[338], SchuttS16[333], SimoninAHL15[342], HoundjiSWD14[183], KelarevaTK13[197], HeinzSSW12[166], Lom- bardiM12[245], KelbelH11[198], Laborie09[220], MouraSCL08[271], KrogtLPHJ07[372], Si- monisC95[345]

Table 8: 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], Mehdizadeh-Somarin23[260], WangB23[391], YuraszeckMC23[405], IsikYA23[186], LacknerMMWW23[224], YuraszeckM- CCR23[406], abs-2306-05747[356], Arm- strongGOS22[14], GeitzGSSW22[137], LiFJ- ZLL22[231], OujanaAYB22[292], Winter- MMW22[396], ZhangJZL22[410], AbreuN22[89], MullerMKP22[272], abs-2211-14492[348], ArmstrongGOS21[13], AstrandOF21[20], GeibingerMM21[136], HillTV21[175], Ko- vacsTKSG21[215], LacknerMMWW21[223], FanXG21[115], KoehlerBFFHPSSS21[205], PandeyS21a[294], QinWSLS21[314], ZhangYW21[411], GroleazNS20[154], NattafM20[278], TangB20[352], WangB20[390], AstrandJZ20[22], BenediktMH20[48], Lu- nardiBLRV20[249], MengZRZL20[262], SacramentoSP20[322], WallaceY20[389], BogaerdtW19[371], ColT19[83], Gal- leguillosKSB19[124], GeibingerMM19[135], MalapertN19[254], MurinR19[273], No- vas19[284], WikarekS19[395], abs-1902- 09244[160], abs-1911-04766[134], Benedik- tSMVH18[49], Laborie18a[221], Tesch18[360], FahimiOQ18[113], GedikKEK18[132], LaborieRSV18[222], ZhangW18[412], Hooker17[181], MossigeGSMC17[269], Pralet17[310], CauwelaertDMS16[76], FontaineMH16[117], Tesch16[359], De- jemmepeCS15[92], SialaAH15[340], Vil- imLS15[385], BartoliniBBLM14[35], Deje- meppeD14[93], GaySS14[131], KoschB14[208], NovasH14[287], CireCH13[80], HeinzKB13[165], SchuttFS13[330], HeinzSB13[168], Ozturk- THO13[293], BillautHL12[54], HeinzB12[164], RendIPHR12[318], LimtanyakulS12[237], No- vasH12[286], EdisO11[105], GrimesH11[150], LahimerLH11[225], KelbelH11[198], Ko- vacsB11[210], BertholdHLMS10[52], CobanH10[82], GrimesH10[149], No- vasH10[285], GrimesHM09[151], Laborie09[220], DoomsH08[102], LauLN08[226], WatsonB08[393], AkkerDH07[370], DavenportKRSH07[88], Mon- etteDD07[265], KhayatLR06[200], Artiouch- ineB05[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], HeipckeCCS00[171], SakkoutW00[325], SchildW00[327], RodosekW98[320], Bel- hadjiI98[46], PapaB98[296], BeckDF97[37], Zhou97[415], Colombani96[84], Zhou96[414], Goltz95[147], SimonisC95[345]	EfthymiouY23[106], abs-2305-19888[170], HeinzNVH22[169], HanenKP21[159], Mercier- AubinGQ20[263], EscobetQPRA19[110], Pour- DERB18[308], CappartS17[73], NattafAL17[277], Madi-WambaB16[251], ZarandiKS16[407], PraletLJ15[311], LetortCB15[230], Bonfiet- tiLM14[63], LombardiM12[245], KovacsK11[212], Simonis07[344], KovacsV06[214], Hooker06[180], HebrardTW05[162], Hooker05[178], Ko- vacsV04[213], VerfaillieL01[375], Baptis- teP00[29], BaptisteP97[28], Caseau97[75], Puget95[313]	PovedaAA23[309], CampeauG22[72], PohlAK22[305], AntuoriHHEN21[11], KlankeBYE21[203], HubnerGSV21[184], WessenCS20[394], QinDCS20[315], FrimodigS19[121], ShinBBHO18[338], Hech- ingH16[163], NovaraNH16[283], BurtLPS15[70], LimBTBB15[235], LombardiBM15[241], MelgarejoLS15[6], WangMD15[392], Ale- sioNBG14[99], BessiereHMQW14[53], Der- rienPZ14[98], KameugneFSN14[195], Bon- fiettiLBM12[62], IfrimOS12[185], Bonfiet- tiLBM11[61], KameugneFSN11[194], Ha- chemiGR11[158], LopesCSM10[246], Zebal- losQH10[409], SchuttFSW09[331], Vilim09[380], BarlattCG08[31], LiessM08[232], KeriK07[199], KrogtLPHJ07[372], FrankK05[119], Kovac- sEKV05[211], WuBB05[401], cp-Hooker05[179], Vilim04[378], Vilim03[377], Bartak02[33], KamarainenS02[190], Muscettola02[275], Timpe02[362], AngelsmarkJ00[10], Cesta- taOS98[77], Wallace96[388]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	job shop	PrataAN23[312], abs-2402-00459[279], Bit-Monnot23[55], JuvinHHL23[188], KimCM-LLP23[202], Mehdezadeh-Somarin23[260], 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], Bil-lautHL12[54], GrimesH11[150], Kel-belH11[198], KovacsB11[210], GrimesH10[149], GrimesHM09[151], WatsonB08[393], MonetteDD07[265], KhayatLR06[200], ArtiouchineB05[18], DilkinaDH05[100], Vilim05[379], ArtiguesBF04[16], HentenryckM04[172], DannaP03[85], Wolf03[397], 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], As-trand0F21[20], KoehlerBFFHPSSS21[205], QinWSLS21[314], GroleazNS20[154], Sacra-mentoSP20[322], EscobetPQPRA19[110], WikarekS19[395], CappartS17[73], MossigeGSMC17[269], BonfiettiLM14[63], GaySS14[131], LombardiM12[245], LauLN08[226], KovacsV06[214], He-brardTW05[162], VilimBC05[384], Ko-vacsV04[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], Klanke-BYE21[203], Mercier-AubinGQ20[263], WessenCS20[394], BenediktMH20[48], WallaceY20[389], BogaerdW19[371], FrimodigS19[121], abs-1902-09244[160], BenediktSMVH18[49], ZarandiKS16[407], BurtLPS15[70], LimBTBB15[235], LombardiBM15[241], PraletLJ15[311], WangMD15[392], AlesioNBG14[99], DejemeppeD14[93], KoschB14[208], KameugneFSN14[195], NovasH14[287], HeinzKB13[165], BonfiettiLBM12[62], Bon-fiettiLBM11[61], KameugneFSN11[194], HachemiGR11[158], KovacsK11[212], LopesCSM10[246], ZeballosQH10[409], Laborie09[220], Vilim09[380], Bar-lattCG08[31], DoomsH08[102], LiessM08[232], DavenportKRSH07[88], KeriK07[199], KrogtLPHJ07[372], Simonis07[344], KovacsEKV05[211], Vilim04[378], Vilim03[377], Bartak02[33], KamarainenS02[190], Muscet-tola02[275], VerfaillieL01[375], Angels-markJ00[10], HeipckeCCS00[171], Wallace96[388]
Concepts	lateness	FahimiOQ18[113], KoschB14[208]	PrataAN23[312], PohlAK22[305], ZhangW18[412], AkkerDH07[370], Sadykov04[323]	LacknerMMWW23[224], GeitzGSSW22[137], HanenKP21[159], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], QinWSLS21[314], Novas19[284], Tesch18[360], EdisO11[105], NovasH10[285], Bartak02[33]
Concepts	lazy clause generation	KreterSS17[217], KreterSS15[216], Kelare-vaTK13[197], SchuttFS13[330], cpaior-SchuttFS13[329], SchuttFSW11[332], Schut-tFSW09[331]	Bit-Monnot23[55], PovedaAA23[309], BoudreaultSLQ22[67], GeitzGSSW22[137], Ouel-letQ22[291], FahimiOQ18[113], SchuttS16[333], SzerediS16[351], SialaAH15[340], BofilLEG-PSV14[58], GuSS13[156], SchuttCSW12[328]	KameugneFND23[193], TardivoDFMP23[354], WangB23[391], GeibingerMM21[136], HillTV21[175], Mercier-AubinGQ20[263], Wal-laceY20[389], YangSS19[402], BofilCSV17[57], GoldwasserS17[146], YoungFS17[403], PesantRR15[301], LombardiM12[245], GrimesH11[150], SchuttW10[334]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	machine	PrataAN23[312], abs-2402-00459[279], AalianPG23[1], EfthymiouY23[106], Ju- vinHHL23[188], JuvinHL23[189], KimCM- LLP23[202], Mehdizadeh-Somarin23[260], PerezGSL23[299], 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], Winter- MMW22[396], ZhangJZL22[410], AbreuN22[89], HeinzNVH22[169], MullerMKP22[272], abs- 2211-14492[348], AntuoriHHEN21[11], Arm- strongGOS21[13], AstrandOF21[20], Ha- nenKP21[159], KovacsTKSG21[215], Lack- nerMMWW21[223], FanXG21[115], Hubn- erGSV21[184], KoehlerBFFHPSSS21[205], PandeyS21a[294], QinWSLS21[314], ZhangYW21[411], GroleazNS20[154], NattafM20[278], TangB20[352], AstrandJZ20[22], BenediktMH20[48], LunardiBLRV20[249], MengZRZL20[262], QinDCS20[315], Sacra- mentoSP20[322], BogaerdtW19[371], ColT19[83], FrimodigS19[121], Galleguil- losKSB19[124], MalapertN19[254], Mur- inR19[273], EscobetPQPRA19[110], No- vas19[284], WikarekS19[395], abs-1901-07914[41], abs-1902-09244[160], AstrandJZ18[21], Benedik- tSMVH18[49], Tesch18[360], GedikKEK18[132], LaborieRSV18[222], ZhangW18[412], MossigeGSMC17[269], FontaineMH16[117], BurtLPS15[70], KreterSS15[216], Vil- imLS15[385], BartoliniBBLM14[35], BessiereHMQW14[53], HoundjiSWD14[183], KoschB14[208], GrimesIOS14[152], No- vasH14[287], SchuttFS13[330], Ozturk- THO13[293], BillautHL12[54], IfrimOS12[185], LimtanyakulS12[237], EdisO11[105], GrimesH11[150], LahimerLH11[225], Ko- vacsB11[210], KovacsK11[212], Schut- tFSW11[332], GrimesH10[149], Zebal- losQH10[409], GrimesHM09[151], La- borie09[220], WatsonB08[393], LiessM08[232], AkkerDH07[370], DavenportKRSH07[88], Monet- teDD07[265], Simonis07[344], KhayatLR06[200], ArtiouchineB05[18], DilkinaDH05[100], Ze- ballosH05[408], ArtiguesBF04[16], Hen- tenryckM04[172], Sadykov04[233], Odd- iPCC03[288], Wolf03[397], BeldiceanuC02[42], Timpe02[362], VanczaM01[374], Heipck- eCCS00[171], SchildW00[327], BelhadjiI98[46], PapaB98[296], Darby-DowmanLMZ97[86], Zhou97[415], Colombani96[84], Zhou96[414], Goltz95[147]	Bit-Monnot23[55], AkramNHRSA23[7], Gur- PAE23[157], HillTV21[175], KlankeBYE21[203], AbohashimaEG21[2], He0GLW18[161], FahimiOQ18[113], ShinBBHO18[338], Gold- waserS17[146], Pralet17[310], KreterSS17[217], CauwelaertDMS16[76], SchuttS16[333], ZarandiKS16[407], DejemeppeCS15[92], Mur- phyMB15[274], SialaAH15[340], GaySS14[131], BonfiettiLBM12[62], LombardiM12[245], Kel- belH11[198], SchuttFSW09[331], LauLN08[226], KovacsV06[214], ChuX05[79], Vilim05[379], Vil- imBC05[384], VilimBC04[383], HookerY02[182], SakkoutW00[325], Wallace96[388]	KameugneFND23[193], Monteman- niD23[268], BoudreaultSLQ22[67], Popovic- CGNC22[307], PohlAK22[305], Subu- lanC22[347], GeibingerMM21[136], Mercier- AubinGQ20[263], WangB20[390], Wal- laceY20[389], YangSS19[402], Laborie18a[221], PourDERB18[308], BofillCSV17[57], Cap- partS17[73], KletzanderM17[204], Li- uCGM17[239], YoungFS17[403], BoothNB16[65], LimHTB16[234], SzerediS16[351], No- varaNH16[283], BofillGSV15[59], EvenSH15[111], LimBTBB15[235], LombardiBM15[241], MelgarejoLS15[6], cpaior-GayHS15[130], EvenSH15a[112], GoelSHFS15[144], LetortCB15[230], BofillEGPSV14[58], Bonfi- ettiLM14[63], DerrienPZ14[98], CireCH13[80], GuSS13[156], HeinzKB13[165], LetortCB13[229], cpaior-SchuttFS13[329], HeinzSB13[168], HeinzB12[164], LetortBC12[228], RendlPHPR12[318], SerraNM12[335], No- vasH12[286], BonfiettiLBM11[61], Her- menierDL11[174], LombardiBMB11[242], Vilim11[382], NovasH10[285], BarlattCG08[31], DoomsH08[102], GarridoOS08[127], Gar- ganiR07[125], KrogtLPHJ07[372], Hooker06[180], HebrardTW05[162], cp-Hooker05[179], Hooker05[178], Hooker04[177], KovacsV04[213], LimRX04[233], Vilim04[378], DannaP03[85], Bartak02[33], ElkhayariGJ02[107], Kama- rainenS02[190], MartinPY01[258], Ro- dosekW98[320], BeckDF97[37], Simonis95[343], SimonisC95[345]
Concepts	make to order			OujanaAYB22[292], DavenportKRSH07[88]
Concepts	make to stock			

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	make span	PrataAN23[312], AalianPG23[1], Bit-Monnot23[55], EfhymiouY23[106], Juvin-HHL23[188], JuvinHL23[189], Mehdizadeh-Somarin23[260], PovedaAA23[309], YuraszcekMC23[405], IsikYA23[186], Lackner-MMWW23[224], abs-2305-19888[170], abs-2306-05747[356], ArmstrongGOS22[14], Boudreault-SLQ22[67], GeitzGSSW22[137], AbreuN22[89], HeinzNVH22[169], SubulanC22[347], Armstrong-GOS21[13], AstrandOF21[20], HillTV21[175], KlankeBYE21[203], LacknerMMWW21[223], QinWSLS21[314], ZhangYW21[411], WessenCS20[394], AstrandJZ20[22], Lunardi-BLRV20[249], MengZRZL20[262], ColT19[83], GalleguillosKSB19[124], MalapertN19[254], Novas19[284], WikarekS19[395], abs-1901-07914[41], abs-1902-09244[160], FahimiOQ18[113], GedikKEK18[132], Laborie-RSV18[222], ZhangW18[412], BofilCSV17[57], MossigeGSMC17[269], Pralet17[310], Szere-diS16[351], NovaraNH16[283], BurtLPS15[70], LombardiBM15[241], VilimLS15[385], WangMD15[392], BartoliniBBLM14[35], BonfiettiLM14[63], DejemeppeD14[93], DerrienPZ14[98], KoschB14[208], NovasH14[287], SchuttFS13[330], cpaioir-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], BaptisteP00[29], PapaB98[296], BaptisteP97[28], BeckDF97[37], Darby-DowmanLMZ97[86], NovaraNH16[283]	KameugneFND23[193], PerezGSL23[299], YuraszcekMCCR23[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], BillaudHL12[54], SchuttCSW12[328], LombardiM12[245], KovacsB11[210], LombardiM09[243], LiessM08[232], AkkerDH07[370], MonetteDD07[265], Vilim05[379], VilimBC05[384], KovacsV04[213], VilimBC04[383], Wolf03[397], Timpe02[362]	KimCMLLP23[202], TardivoDFMP23[354], PopovicCGNC22[307], CampeauG22[72], HanenKP21[159], HubnerGSV21[184], KoehlerBFFHPSSS21[205], Mercier-AubinGQ20[263], NattafM20[278], TangB20[352], SacramentoSP20[322], GeibingerMM19[135], MurinR19[273], abs-1911-04766[134], KameugneFGOQ18[192], OuelletQ18[290], Tesch18[360], NattafAL17[277], CauwelaertDMS16[76], FontaineMH16[117], SchuttS16[333], Tesch16[359], ZarandiKS16[407], KreterSS15[216], PraletLJ15[311], LetortCB15[230], NattafAL15[276], SimoninAHL15[342], AlesioNBG14[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], SchuttFSW09[331], KeriK07[199], BeniniBGM06[50], Hooker06[180], ArtiouchineB05[18], CarchraeBF05[74], WuBB05[401], cp-Hooker05[179], Bartak02[33], ElkhyariGJ02[107], HeipckeCCS00[171], RodosekW98[320], Caseau97[75]
Concepts	manpower	NovaraNH16[283]	LaborieRSV18[222]	WikarekS19[395], HechingH16[163], SchuttS16[333], cpaioir-GayHS15[130], GaySS14[131], LombardiM12[245], Vilim11[382], NovasH10[285], Puget95[313], SimonisC95[345]
Concepts	multi agent	He0GLW18[161]	abs-1901-07914[41], LimHTB16[234]	abs-2402-00459[279], Mehdizadeh-Somarin23[260], Squillacipr23[346], ZhangYW21[411], WessenCS20[394], WikarekS19[395], ZhangW18[412], LimBTBB15[235], KoschB14[208], BartakS11[34], AbrilSB05[3], Wallace96[388]
Concepts	no preempt			FanXG21[115], MengZRZL20[262], MonetteDD07[265]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	open shop	PrataAN23[312], AbreuN22[89], GrimesHM09[151], MonetteDD07[265]	Bit-Monnot23[55], FahimiOQ18[113], MengZRZL20[262], GrimesH10[149], Vilim05[379]	SacramentoSP20[322], KimCMLLP23[202], YuraszeckMC23[405], YuraszeckMCCR23[406], OujanaAYB22[292], As- trand0F21[20], AstrandJZ20[22], SialaAH15[340], AlesioNBG14[99], BonfiettiLM14[63], Bil- lautHL12[54], GrimesH11[150], Schut- tFSW11[332], SchuttFSW09[331], Ar- tiouchineB05[18], VilimBC05[384], Henten- ryckM04[172], VilimBC04[383], Vilim03[377], VerfaillieL01[375]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	order	<div>PrataAN23[312], AalianPG23[1], EfthymiouY23[106], JuvinHL23[189], KimCMLLP23[202], PovedaAA23[309], WangB23[391], MMWW23[224], abs-2306-05747[356], BoudreaultSLQ22[67], LiFJZLL22[231], CGNC22[307], MullerMKP22[272], lanC22[347], HHEN21[11], trand0F21[20], BYE21[203], KovacsTKSG21[215], erMMWW21[223], GSV21[184], PandeyS21a[294], VlkHT21[387], AubinGQ20[263], WangB20[390], trandJZ20[22], nardiBLRV20[249], SacramentoSP20[322], GeibingerMM19[135], MurinR19[273], PQPRA19[110], abs-1901-07914[41], abs-1911-04766[134], FGOQ18[192], FahimiOQ18[113], borieRSV18[222], ZhangW18[412], waserS17[146], uCGM17[239], Pralet17[310], YoungFS17[403], KreterSS17[217], BonfiettiZLM16[64], BoothNB16[65], CauwelaertDMS16[76], SchuttS16[333], varaNH16[283], meppeCS15[92], EvenSH15[111], GayHLS15[128], LimBTBB15[235], LombardiBM15[241], MelgarejoLS15[6], MurphyMB15[274], PraletLJ15[311], SialaAH15[340], VilimLS15[385], 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], cpaior-SchuttFS13[329], HeinzSB13[168], Ozturk-THO13[293], BillautHL12[54], IfrimOS12[185], LetortBC12[228], RendlPHPR12[318], SchuttCSW12[328], SerraNM12[335], moninAHL12[341], HeinzSSW12[166], Lim-tanyakulS12[237], LombardiM12[245], NovasH12[286], ClercqPBJ11[81], GrimesH11[150], HermenierDI11[174], KameugneFSN11[194]</div>	<div>TardivoDFMP23[354], YuraszeckMC23[405], GurPAE23[157], MontemanniD23a[267], abs-2305-19888[170], ArmstrongGOS22[14], OuelletQ22[291], WinterMMW22[396], HeinzNVH22[169], GeibingerMM21[136], HillTV21[175], TangB20[352], QinDCS20[315], WallaceY20[389], BogaerdtW19[371], ColT19[83], DemirovicS18[95], ShinBBHO18[338], BofillCSV17[57], GelainPRVW17[138], NattafAL17[277], FontaineMH16[117], GilesH16[140], LimHTB16[234], BofillGSV15[59], BurtLPS15[70], GayHS15[129], KreterSS15[216], PesantRR15[301], Dejemepped14[93], CireCH13[80], BonfiettiLBM12[62], LahimerLH11[225], LombardiBMB11[242], Davenport10[87], SchuttFSW09[331], Vilim09[380], cpaior-Vilim09[381], LauLN08[226], BeldiceanuP07[45], KeriK07[199], BeniniBGM06[50], KhayatLR06[200], ArtiouchineB05[18], FortinZDF05[118], Hooker05[178], HentenryckM04[172], Hooker04[177], KuchcinskiW03[218], KamarainenS02[190], Muscetola02[275], FrostD98[123], Belhadji98[46], Caseau97[75], Puget95[313], Touraivane95[366]</div>	<div>Mehdizadeh-Somarin23[260], AkramNHRSA23[7], MontemanniD23[268], ZhangJZL22[410], AbohashimaEG21[2], ZhangYW21[411], GalleguillosKSB19[124], abs-1902-01193[8], BenediktSMVH18[49], He0GLW18[161], Hooker17[181], HechingH16[163], SzerediS16[351], cpaior-GayHS15[130], DoulabiRP14[103], GuSS13[156], HeinzKB13[165], Schut-tFS13[330], HeinzB12[164], BonfiettiLBM11[61], ChapadosJR11[78], BertholdHLMS10[52], CobanH10[82], Acuna-AgostMFG09[4], DoomsH08[102], LiessM08[232], AkkerDH07[370], AbrilSB05[3], CarchraeBF05[74], ChuX05[79], HebrardTW05[162], DannaP03[85], Kumar03[219], Vilim03[377], HookerY02[182], AngelsmarkJ00[10], RodosekW98[320], BeckDF97[37], Simonis95[343]</div>

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	precedence	abs-2402-00459[279], JuvinHHL23[188], PovedaAA23[309], IsikYA23[186], YuraszeckM- CCR23[406], BoudreaultSLQ22[67], CampeauG22[72], PohlAK22[305], Arm- strongGOS21[13], Astrand0F21[20], GeibingerMM21[136], HanenKP21[159], HillTV21[175], FanXG21[115], Hubn- erGSV21[184], KoehlerBFFHPSSS21[205], ZhangYW21[411], GroleazNS20[154], Mercier- AubinGQ20[263], AstrandJZ20[22], Lu- nardiBLRV20[249], MengZRZL20[262], SacramentoSP20[322], WikarekS19[395], abs-1902-09244[160], Laborie18a[221], Tesch18[360], FahimiOQ18[113], Labori- eRSV18[222], ZhangW18[412], BofllCSV17[57], Pralet17[310], YoungFS17[403], Bonfietti- ZLM16[64], SchuttS16[333], SzerediS16[351], NovaraNH16[283], DejemeppeCS15[92], Melgar- ejoLS15[6], PraletLJ15[311], LetortCB15[230], SimoninAHL15[342], DerrienPZ14[98], Ouel- letQ13[289], SchuttFS13[330], HeinzSB13[168], OzturkTHO13[293], BonfiettiLBM12[62], SchuttCSW12[328], LombardiM12[245], Bonfiet- tiLBM11[61], ClercqPBJ11[81], GrimesH11[150], LombardiBMB11[242], KelbelH11[198], Schut- tFSW11[332], LombardiM10[244], Lom- bardiM09[243], SchuttFSW09[331], Garri- doAO09[126], LiessM08[232], AkkerDH07[370], BeniniBGM06[50], KovacsV06[214], Khay- atLR06[200], Vilim05[379], Hooker05[178], VilimBC05[384], ArtiguesBF04[16], Henten- ryckM04[172], KovacsV04[213], Vilim04[378], Muscettola02[275], VanczaM01[374], Baptis- teP00[29], HeipckeCCS00[171], SchildW00[327], BaptisteP97[28]	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], No- vas19[284], abs-1911-04766[134], Kameugne- FGOQ18[192], MossigeGSMC17[269], Madi-WambaB16[251], BurtLPS15[70], GayHLS15[128], LombardiBM15[241], Vil- imLS15[385], WangMD15[392], Bonfiet- tiLM14[63], KameugneFSN14[195], cpaio- rSchuttFS13[329], BillautHL12[54], Si- moninAHL12[341], LimtanyakulS12[237], NovasH12[286], KameugneFSN11[194], HachemiGR11[158], GrimesH10[149], LopesCSM10[246], NovasH10[285], Ze- ballosQH10[409], GrimesHM09[151], MouraSCL08[271], DavenportKRSH07[88], KeriK07[199], Hooker06[180], DilkinaDH05[100], FortinZDF05[118], ZeballosH05[408], Hooker04[177], VilimBC04[383], Belhadji198[46], BeckDF97[37], Zhou97[415], Zhou96[414]	PrataAN23[312], JuvinHL23[189], KimCM- LLP23[202], Mehdizadeh-Somarin23[260], 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], CappartS17[73], KreterSS17[217], BoothNB16[65], Cauwe- laertDMS16[76], FontaineMH16[117], Tesch16[359], GayHS15[129], SialaAH15[340], GoelSHFS15[144], DejemeppeD14[93], GaySS14[131], HoundjiSWD14[183], No- vasH14[287], CireCH13[80], GuSS13[156], Kelare- vaTK13[197], LetortCB13[229], HeinzB12[164], LetortBC12[228], SerraNM12[335], Herm- nierDL11[174], LahimerLH11[225], Vilim11[382], KovacsB11[210], BertholdHLMS10[52], La- borie09[220], Vilim09[380], KrogtLPHJ07[372], MonetteDD07[265], ArtiouchineB05[18], FrankK05[119], KovacsEKV05[211], cp- Hooker05[179], Sadykov04[323], Odd- iPCC03[288], KuchcinskiW03[218], Bartak02[33], ElkhyariGJ02[107], KamarainenS02[190], Vilim02[376], SakkoutW00[325], Colom- bani96[84], Goltz95[147], Simonis95[343]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	preempt	JuvinHHL23[188], PovedaAA23[309], SubulanC22[347], HanenKP21[159], FahimiOQ18[113], ZarandiKS16[407], EvenSH15[111], EvenSH15a[112], AlesioNBG14[99], LombardiM12[245], KovacsB11[210], Monet-teDD07[265], Wolf03[397], BaptisteP00[29], PapaB98[296], BaptisteP97[28]	PrataAN23[312], abs-2305-19888[170], OuelletQ22[291], 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], ArtiouchineB05[18]	AalianPG23[1], KameugneFND23[193], MehdiZadeh-Somarin23[260], TardivoDFMP23[354], YuraszeckMC23[405], AkramNHRSA23[7], IsikYA23[186], YuraszeckMCCR23[406], abs-2306-05747[356], BoudreaultSLQ22[67], GeitzGSSW22[137], OujanaAYB22[292], AbreuN22[89], MullerMKP22[272], ArmstrongGOS21[13], HillTV21[175], KovacsTKSG21[215], FanXG21[115], HubnerGSV21[184], QinWSLS21[314], ZhangYW21[411], GroleazNS20[154], BenediktMH20[48], MengZRZL20[262], 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], DjemeppeCS15[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], KameugneFSN11[194], LahimerLH11[225], Vilim11[382], KelbelH11[198], TopalogluO11[364], BertholdHLMS10[52], CobanH10[82], SchuttW10[334], ZeballosQH10[409], LombardiM09[243], Vilim09[380], cpaior-Vilim09[381], MouraSCL08[271], LiessM08[232], AkkerDH07[370], BeldiceanuP07[45], DavenportKRSH07[88], KhayatLR06[200], Vilim05[379], ArtiguesBF04[16], LimRX04[233], Sadykov04[323], OddiPCC03[288], ElkhyariGJ02[107], KamarainenS02[190], 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], Kumar03[219], SimonisC95[345]	HermenierDL11[174], BeldiceanuC02[42]	

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low	
Concepts	re scheduling	ZhangW18[412], GrimesIOS14[152], RendlIPHR12[318], LombardiM12[245], NovasH10[285], MartinPY01[258]	CappartS17[73], IfrimOS12[185], LimHTB16[234], CobanH10[82], Acuna-AgostMFG09[4]	Ko- AstrandJZ20[22], LimBTBB15[235], MFG09[4]	PrataAN23[312], PerezGSL23[299], 2305-19888[170], 2312-13682[300], HeinzNVH22[169], KlankeBYE21[203], ZhangYW21[411], BenediktMH20[48], LunardiBLRV20[249], GalleguillosKSB19[124], GeibingerMM19[135], abs-1911-04766[134], He0GLW18[161], LaborieRSV18[222], BoothNB16[65], HechingH16[163], No- varaNH16[283], MurphyMB15[274], WangMD15[392], DerrienPZ14[98], Ke- larevaTK13[197], TopalogluO11[364], LopesCSM10[246], GarridoAO09[126], Simonis07[344], ArtiouchineB05[18], BaptisteP00[29], SakkoutW00[325], PapaB98[296], Baptis- teP97[28], BeckDF97[37]
Concepts	release date	WinterMMW22[396], EscobetPQPRA19[110], KameugneFSN14[195], SerraNM12[335], LimtanyakulS12[237], KameugneFSN11[194], KovacsB11[210], AkkerDH07[370], Artiouch- ineB05[18], Hooker05[178], Hooker04[177], Zhou97[415], Colombani96[84], Zhou96[414]	HanenKP21[159], Tesch18[360], GroleazNS20[154], abs-1911-04766[134], HeinzSB13[168], KelbelH11[198], Laborie09[220], Simonis07[344], Hooker06[180], WuBB05[401], cp-Hooker05[179], Sadykov04[323]	PrataAN23[312], LacknerMMWW21[223], GroleazNS20[154], abs-1911-04766[134], HeinzSB13[168], KelbelH11[198], Laborie09[220], Simonis07[344], Hooker06[180], WuBB05[401], cp-Hooker05[179], Sadykov04[323]	PovedaAA23[309], YuraszeckMC23[405], IsikYA23[186], PohlAK22[305], AntuoriH- HEN21[11], GeibingerMM21[136], HillTV21[175], KovacsTKSG21[215], ZhangYW21[411], No- vas19[284], abs-1902-09244[160], Laborie18a[221], LaborieRSV18[222], NattafAL17[277], DejemeppeCS15[92], NattafAL15[276], KoschB14[208], HeinzKB13[165], Bil- lautHL12[54], HeinzB12[164], ClercqPB11[81], GrimesH11[150], KovacsK11[212], Daven- port10[87], SchuttW10[334], BeldiceanuP07[45], ChuX05[79], ArtiguesBF04[16], BaptisteP00[29], HeipckeCCS00[171], BelhadjiI98[46], Baptis- teP97[28], BeckDF97[37]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	resource	PrataAN23[312], AalianPG23[1], KameugneFND23[193], TardivoDFMP23[354], PAE23[157], YuraszeckMCCR23[406], 2305-19888[170], GeitzGSSW22[137], OujanaAYB22[292], CampeauG22[72], SubulanC22[347], HanenKP21[159], vacsTKSG21[215], PandeyS21a[294], ZhangYW21[411], Mercier-AubinGQ20[263], AstrandJZ20[22], QinDCS20[315], SacramentoSP20[322], GalleguillosKSB19[124], MalapertN19[254], YangSS19[402], EscobetPQPRA19[110], Novas19[284], WikarekS19[395], abs-1901-07914[41], abs-1902-09244[160], abs-1911-04766[134], DemirovicS18[95], KameugneFGOQ18[192], Laborie18a[221], OuelletQ18[290], Tesch18[360], FahimiOQ18[113], LaborieRSV18[222], ShinBBHO18[338], BofillCSV17[57], CappartS17[73], 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], Bartolin-iBLM14[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], HermenierDL11[174], KameugneFSN11[194], LahimerLH11[225], LombardiBMB11[242], Vilim11[382], BartakS11[34], HachemiGR11[158], KelbelH11[198], KovacsB11[210], SchuttFSW11[332], BertholdHLMS10[52], GrimesH10[149], LombardiM10[244], SchuttW10[334], LopesCSM10[246], NovasH10[285], ZeballosQH10[409], GrimesHM09[151], Laborie09[220], Lom	Bit-Monnot23[55], ballero23[71], IsikYA23[186], abs-2306-05747[356], abs-2312-13682[300], WintertMMW22[396], MullerMKP22[272], PohlAK22[305], abs-2211-14492[348], AstrandOF21[20], KlankeBYE21[203], TangB20[352], LunardiBLRV20[249], WallaceY20[389], FrimodigS19[121], abs-1902-01193[8], BenediktSMVH18[49], GedikKEK18[132], GelainPRVW17[138], GoldwaserS17[146], BoothNB16[65], DerrienP14[97], DerrienPZ14[98], DoulabiRP14[103], KovacsK11[212], Davenport10[87], WatsonB08[393], ArtiouchineB05[18], KovacsEKV05[211], WuBB05[401], cp-Hooker05[179], Wolf03[397], Vilim02[376], Darby-DowmanLMZ97[86], Goltz95[147]	SquillaciPR23[346], AkramNHRSA23[7], MontemanniD23[268], ArmstrongGOS22[14], PopovicCGNC22[307], ZhangJZL22[410], AntuoriHHEN21[11], ArmstrongGOS21[13], AbohashimaEG21[2], FanXG21[115], KoehlerBFFHPSSS21[205], NattafM20[278], ColT19[83], AstrandJZ18[21], ZhangW18[412], Hooker17[181], KletzanderM17[204], ZarandiKS16[407], GayHLS15[128], Melgar-ejoLS15[6], MurphyMB15[274], Siala15[339], HoundjiSWD14[183], CireCH13[80], BillautHL12[54], IfrimOS12[185], BarlattCG08[31], GarganiR07[125], MonetteDD07[265], RossiTHP07[321], FortinZDF05[118], FrankK05[119], ArtiguesBF04[16], Tsang03[368], Timpe02[362], MartinPY01[258], AngelsmarkJ00[10], RodosekW98[320], Colombani96[84]

Table 8: 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], Ju- vinHL23[189], KameugneFND23[193], Kim- CMLLP23[202], Mehdizadeh-Somarin23[260], PerezGSL23[299], PovedaAA23[309], Squil- laciPR23[346], TardivoDFMP23[354], WangB23[391], YuraszeckMC23[405], AkramNHRSA23[7], Caballero23[71], Gur- PAE23[157], IsikYA23[186], Lackner- MMWW23[224], MontemanniD23[268], Mon- temanniD23a[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], Ou- janaAYB22[292], PopovicCGNC22[307], Winter- MMW22[396], ZhangJZL22[410], AbreuN22[89], CampeauG22[72], HeinzNVH22[169], MullerMKP22[272], PohlAK22[305], Subu- lanC22[347], abs-2211-14492[348], Antuori- HHEN21[11], ArmstrongGOS21[13], As- trand0F21[20], GeibingerKKMMW21[133], GeibingerMM21[136], HanenKP21[159], HillTV21[175], KlankeBYE21[203], Kovac- sTKSG21[215], LacknerMMWW21[223], AbohashimaEG21[2], FanXG21[115], HubnerGSV21[184], KoehlerBFFH- PSSS21[205], PandeyS21a[294], Qin- WSLS21[314], VlkHT21[387], ZhangYW21[411], GroleazNS20[154], Mercier-AubinGQ20[263], NattafM20[278], TangB20[352], WangB20[390], WessenCS20[394], AstrandJZ20[22], BenediktMH20[48], LunardiBLRV20[249], MengZRZL20[262], QinDCS20[315], Sacra- mentoSP20[322], WallaceY20[389], Bo- gaerdW19[371], ColT19[83], FrimodigS19[121], GalleguillosKSB19[124], GeibingerMM19[135], MalapertN19[254], MurinR19[273], YangSS19[402], EscobetPQPRA19[110], Novas19[284], WikarekS19[395], abs-1901- 07914[41], abs-1902-01193[8], abs-1902- 09244[160], abs-1911-04766[134], As- trandJZ18[21], BenediktSMVH18[49], DemirovicS18[95], He0GLW18[161], Kameugne- FGOQ18[192], Laborie18a[221], Ouel- letQ18[290], Tesch18[360], FahimiOQ18[113], GedikKEK18[132], LaborieRSV18[222], PourDERB18[308], ShinBBHO18[338], ZhangW18[412], BofillCSV17[57], Cap- partS17[73], GelainPRVW17[138], Gold- wasserS17[146], KletzanderM17[204], Li- uCGM17[239], MossigeGSMC17[269], Pralet17[310], YoungFS17[403], KreterSS17[217], NattafAL17[277], BonfiettiZLM16[64], BoothNB16[65], CauwelaertDMS16[76], FontaineMH16[117], GilesH16[140], Hech- ingH16[163], LimHTB16[234], Madi- WambaB16[251], SchuttS16[333], Sz- erediS16[351], Tesch16[359], N- varaNH16[283], ZarandiKS16[407], BofillGSV15[59], BurtLPS15[70], Deje- meppeCS15[92], EvenSH15[111], GayHLS15[128], KreterSS15[216], LimBTBB15[235],	GayHS15[129], Kameugne15[191], BessiereHMQW14[53], HoundjiSWD14[183], LetortCB13[229], LetortBC12[228], Cha- padosJR11[78], ClercqPB11[81], Acuna- AgostMFG09[4], Baptiste09[25], Dilki- naDH05[100], HebrardTW05[162], WuBB05[401], Vilim03[377], HookerY02[182], Vilim02[376], Ces- taOS98[77], FrostD98[123], Touraivane95[366]	Hooker17[181], RossiTHP07[321], AbrilSB05[3], VanczaM01[374]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts	sequence dependent setup	GedikKEK18[132]	IsikYA23[186], MengZRZL20[262], LombardiM12[245], Simonis07[344], ArtiguesBF04[16]	GeitzGSSW22[137], PrataAN23[312], OujanaAYB22[292], PohlAK22[305], Mercier-AubinGQ20[263], Novas19[284], LaborieRSV18[222], Pralet17[310], Cauwe-laertDMS16[76], NovaraNH16[283], DejemeppeCS15[92], GrimesH10[149], 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], GedikKEK18[132], ZhangW18[412], Pralet17[310], Cauwe-laertDMS16[76], DejemeppeCS15[92], LombardiM12[245], GrimesH10[149], DavenportKRSH07[88], Simonis07[344], ArtiguesBF04[16]	KimCMLLP23[202], LiFJZLL22[231], ArmstrongGOS21[113], FanXG21[115], AstrandJZ20[22], LaborieRSV18[222], NovaraNH16[283], GaySS14[131], KelarevaTK13[197], OzturkTHO13[293], BeniniBGM06[50], Vilim02[376], Timpe02[362]	EfthymiouY23[106], JuvinHHL23[188], JuvinHL23[189], Mehdizadeh-Somarin23[260], YuraszcekMCCR23[406], ZhangJZL22[410], MullerMKP22[272], abs-2211-14492[348], AbohashimaEG21[2], ZhangYW21[411], WikarekS19[395], abs-1902-09244[160], FahimiOQ18[113], GilesH16[140], MelgarejoLS15[6], SialaAH15[340], GoelSHFS15[144], BessiereHMQW14[53], DejemeppeD14[93], BillautHL12[54], NovasH10[285], Laborie09[220], BarlattCG08[31], KovacsV06[214], KhayatLR06[200], KovacsEKV05[211], VilimBC05[384], Vilim04[378], PapaB98[296]
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], abs-1902-09244[160], LaborieRSV18[222], NovaraNH16[283], ZarandiKS16[407], BartoliniB-BLM14[35], LombardiM12[245], GrimesH11[150], KelbelH11[198], KovacsB11[210], CobanH10[82], Davenport10[87], Laborie09[220], KeriK07[199], Hooker06[180], cp-Hooker05[179], ZeballosH05[408], HententryckM04[172], DannaP03[85]	abs-2402-00459[279], SubulanC22[347], KovacsTKSG21[215], GroleazNS20[154], GedikKEK18[132], Hooker17[181], NovasH10[285], Hooker05[178]	JuvinHL23[189], Mehdizadeh-Somarin23[260], abs-2306-05747[356], LiFJZLL22[231], ZhangJZL22[410], GeibingerMM21[136], HanenKP21[159], HubnerGSV21[184], KoehlerBFFHPSSS21[205], QinWSLS21[314], VlkHT21[387], LunardiBLRV20[249], QinDCS20[315], Novas19[284], ZhangW18[412], BurtLPS15[70], DejemeppeCS15[92], LimBTBB15[235], MelgarejoLS15[6], PraletLJ15[311], SialaAH15[340], CireCH13[80], HeinzKB13[165], KelarevaTK13[197], BillautHL12[54], HeinzB12[164], LimtanyakulS12[237], EdisO11[105], KovacsK11[212], ZeballosQH10[409], BeniniBGM06[50], KovacsV06[214], Hooker04[177]

Table 8: 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], AkramNHRS23[7], YuraszeckMCCR23[406], abs-2305-19888[170], BoudreaultSLQ22[67], GeitzGSSW22[137], LiFJ- ZLL22[231], OuelletQ22[291], CampeauG22[72], HeinzNVH22[169], SubulanC22[347], abs- 2211-14492[348], ArmstrongGOS21[13], As- trand0F21[20], HanenKP21[159], HillTV21[175], KlankeBYE21[203], KovacsTKSG21[215], KoehlerBFFHPSSS21[205], PandeyS21a[294], Mercier-AubinGQ20[263], WangB20[390], WessenCS20[394], QinDCS20[315], GeibingerMM19[135], YangSS19[402], Es- cobetPQPRA19[110], Novas19[284], abs- 1901-07914[41], abs-1911-04766[134], As- trandJZ18[21], KameugneFGOQ18[192], OuelletQ18[290], FahimiOQ18[113], La- borieRSV18[222], PourDERB18[308], ShinBBHO18[338], MossigeGSMC17[269], KreterSS17[217], NattafAL17[277], BoothNB16[65], FontaineMH16[117], GilesH16[140], Madi-WambaB16[251], No- varaNH16[283], BurtLPS15[70], EvenSH15[111], GayHS15[129], KreterSS15[216], Mur- phyMB15[274], PraletLJ15[311], SialaAH15[340], VilimLS15[385], cpaior-GayHS15[130], EvenSH15a[112], GoelSHFS15[144], LetortCB15[230], NattafAL15[276], Si- moninAHL15[342], AlesioNBG14[99], BessiereHMqw14[53], GrimesIOS14[152], KameugneFSN14[195], NovasH14[287], Kelare- vaTK13[197], LetortCB13[229], OuelletQ13[289], SchuttFS13[330], cpaior-SchuttFS13[329], OzturkTHO13[293], IfrimOS12[185], LetortBC12[228], SimoninAHL12[341], LombardiM12[245], NovasH12[286], Bon- fiettiLBM11[61], GrimesH11[150], Her- menierDL11[174], KameugneFSN11[194], LahimerLH11[225], LombardiBMB11[242], Vilim11[382], HachemiGR11[158], Kel- belH11[198], KovacsK11[212], Schut- tFSW11[332], GrimesH10[149], Lom- bardim10[244], SchuttW10[334], NovasH10[285], ZeballosQH10[409], GrimesHM09[151], Laborie09[220], LombardiM09[243], SchuttFSW09[331], cpaior-Vilim09[381], GarridoAO09[126], BarlattCG08[31], BeldiceanuCP08[44], GarridoOS08[127], LiessM08[232], BeldiceanuP07[45], Monet- teDD07[265], Simonis07[344], BeniniBGM06[50], KovacsV06[214], Hooker06[180], Khay- atLR06[200], FortinZDF05[118], FrankK05[119], cp-Hooker05[179], Hooker05[178], Ze- ballosH05[408], Hooker04[177], Ko- vacsV04[213], Wolf03[397], Bartak02[33], BeldiceanuC02[42], ElkhyariGJ02[107], Timpe02[362], VanczaM01[374], Heipck- eCCS00[171], SchildW00[327], RodosekW98[320], BelhadjiI98[46], Caseau97[75], Darby- DowmanLMZ97[86], Zhou97[415], Colom- bani96[84], Zhou96[414], Wallace96[388], Goltz95[147], SimonisC95[345]	Bit-Monnot23[55], SquillaciPR23[346], IsikYA23[186], LacknerMMWW23[224], Mon- temanniD23[268], MontemanniD23a[267], OujanaAYB22[292], PopovicCGNC22[307], WinterMMW22[396], AbreuN22[89], MullerMKP22[272], GeibingerMM21[136], HubnerGSV21[184], WallaceY20[389], WikarekS19[395], DemirovicS18[95], Li- uCGM17[239], YoungFS17[403], Hech- ingH16[163], GayHLS15[128], Lom- bardiBM15[241], Kameugne15[191], Bartolin- iBBLM14[35], BofilLEGPSV14[58], Bonfiet- tiLM14[63], Vilim05[379], MartinPY01[258], AngelsmarkJ00[10], PapaB98[296]	EfthymiouY23[106], Mehdizadeh- Somarin23[260], PerezGSL23[299], Tar- divoDFMP23[354], abs-2306-05747[356], abs-2312-13682[300], ArmstrongGOS22[14], ZhangJZL22[410], AntuoriHHEN21[11], LacknerMMWW21[223], FanXG21[115], ZhangYW21[411], AstrandJZ20[22], BenediktMH20[48], MengZRZL20[262], SacramentoSP20[322], FrimodigS19[121], MalapertN19[254], MurinR19[273], abs- 1902-01193[8], abs-1902-09244[160], La- borie18a[221], Tesch18[360], GedikKEK18[132], CappartS17[73], CauwelaertDMS16[76], SzerediS16[351], ZarandiKS16[407], De- jemeppeCS15[92], MelgarejoLS15[6], WangMD15[392], DoulabiRP14[103], CireCH13[80], HeinzSSW12[166], Chapa- dosJR11[78], EdisO11[105], BartakS11[34], SchausHMCMD11[326], TopalogluO11[364], LopesCSM10[246], DoomsH08[102], CarchraeBF05[74], VilimBC05[384], Henten- ryckM04[172], Sadykov04[323], Vilim04[378], OddiPCC03[288], VerfaillieL01[375], Ma- son01[259], BaptisteP00[29], SakkoutW00[325], BaptisteP97[28], BeckDF97[37], Puget95[313], Simonis95[343], Touraivane95[366]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Concepts Concepts	temporal constraint reasoning transportation	ArmstrongGOS22[14], PohlAK22[305], QinDCS20[315], MurinR19[273], GoelSHFS15[144], GharevaTK13[197], HachemiGR11[158], LopesCSM10[246], ZebalosH05[408]	GeitzGSSW22[137], ArmstrongGOS21[13], SacramentoSP20[322], PourDERB18[308], NovasH14[287], NovasH12[286], HachemiGR11[158], LopesCSM10[246], ZebalosH05[408]	KimCMLLP23[202], AbreuN22[89], AbohashimaEG21[2], MengZRZL20[262], LaborieRSV18[222], EvenSH15[111], MelgarejoLS15[6], RendlPHPR12[318], MouraSCL08[271], LimRX04[233], Mason01[259], Wallace96[388]
Classification	RCPSP	PovedaAA23[309], BoudreaultSLQ22[67], SubulanC22[347], HillTV21[175], GeibingerMM19[135], abs-1911-04766[134], LaborieRSV18[222], MossigeGSMC17[269], YoungFS17[403], SchuttS16[333], KreterSS15[216], HeinzSB13[168], BertholdHLM10[52], SchuttW10[334], DoomsH08[102], LiessM08[232], BaptisteP00[29], BaptisteP97[28]	YuraszeckMCCR23[406], CampeauG22[72], GeibingerMM21[136], HubnerGSV21[184], abs-1902-09244[160], KameugneFGOQ18[192], BofillCSV17[57], Pralet17[310], KreterSS17[217], SzerediS16[351], VilimLS15[385], LombardiM12[245], LombardiM10[244], LombardiM09[243], BaptisteP00[29], BaptisteP97[28]	KameugneFND23[193], Caballero23[71], Tesch18[360], GayHLS15[128], LombardiBM15[241], NattafAL15[276], KameugneFSN14[195], KameugneFSN11[194], KeriK07[199], KovacsV06[214], HeipckeCCS00[171]
Classification	fssp			YuraszeckMCCR23[406], WikarekS19[395]
Classification	jssp	JuvinHHL23[188], YuraszeckMCCR23[406], GeitzGSSW22[137], ColT19[83], Pralet17[310], KelbelH11[198], PapaB98[296]	YuraszeckMC23[405], abs-2306-05747[356], ColT19[83], Pralet17[310], KelbelH11[198], PapaB98[296]	GalleguillosKSB19[124], LombardiBM15[241], SialaAH15[340], BelhadjiI98[46]
Classification	parallel machine	PrataAN23[312], 2305-19888[170], WinterMMW22[396], HeinzNVH22[169], NattafM20[278], MalapertN19[254], EdisO11[105]	IsikYA23[186], abs-2305-19888[170], OujanaAYB22[292], ZhangJZL22[410], PandeyS21a[294], MengZRZL20[262], GedikKEK18[132]	SacramentoSP20[322], BogaardtW19[371], Novas19[284], BenediktSMVH18[49], KovacsB11[210], AkkerDH07[370]
				JuvinHHL23[188], Mehdizadeh-Somarin23[260], LacknerMMWW23[224], ArmstrongGOS22[14], HananKP21[159], LacknerMMWW21[223], AbohashimaEG21[2], FanXG21[115], AstrandJZ20[22], QinDCS20[315], LaborieRSV18[222], KletzanderM17[204], KreterSS17[217], FontaineMH16[117], BurtLPS15[70], KreterSS15[216], NovasH14[287], LombardiM12[245], LahimerLH11[225], ArtiouchineB05[18], Sadykov04[323]

Table 8: 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], BertholdHMLS10[52], SchuttFSW09[331]	KameugneFND23[193], BoudreaultSLQ22[67], HillTV21[175], Tesch18[360], FahimiOQ18[113], SzerediS16[351], Tesch16[359], GayHLS15[128], LombardiBM15[241], VilimLS15[385], BonfiettiLM14[63], LetortCB13[229], LetortBC12[228], Vilim11[382], SchuttW10[334]	LaborieRSV18[222], BofillCSV17[57], Pralet17[310], YoungFS17[403], OuelletQ13[289], LombardiM12[245], KameugneFSN11[194], LiessM08[232], FortinZDF05[118]
Classification	single machine	PrataAN23[312], LacknerMMWW23[224], BenediktMH20[48], BogaerdtW19[371], KovacsB11[210]	HillTV21[175], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], PandeyS21a[294], NattafM20[278], BenediktSMVH18[49], Tesch18[360], KoschB14[208], BillaudHL12[54], KovacsK11[212], AkkerDH07[370], Sadykov04[323], OddiPCC03[288], SchildW00[327]	abs-2402-00459[279], Mehdizadeh-Somarin23[260], IsikYA23[186], GeitzGSSW22[137], LiFJZLL22[231], ZhangJZL22[410], AbreuN22[89], PohlAK22[305], abs-2211-14492[348], KovacsTKSG21[215], FanXG21[115], QinWSLS21[314], TangB20[352], MalapertN19[254], 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], KovacsV06[214], ArtiouchineB05[18], ChuX05[79], KovacsV04[213], BeldiceanuC02[42], HeipckeCCS00[171], SakkoutW00[325], BeckDF97[37], Darby-DownmanLMZ97[86]
Constraints	alldifferent	JuvinHHL23[188], KoehlerBFFHPSSS21[205], Simonis07[344]	BessiereHMQW14[53], KelarevaTK13[197]	WangB23[391], WangB20[390], AstrandJZ20[22], FahimiOQ18[113], MelgarejoLS15[6], AlezioNBG14[99], ClercqPBJ11[81], HermenierDL11[174], HachemiGR11[158], 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], Laborie18a[221], CapartS17[73], NovaraNH16[283], PraletLJ15[311], BartoliniBBLM14[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], GarganiR07[125], SakkoutW00[325], SchildW00[327]	abs-2402-00459[279], AkramNHSA23[7], LacknerMMWW23[224], abs-2211-14492[348], ArmstrongGOS21[13], DoulabiRP14[103], KoschB14[208], LimtanyakulS12[237], EdisO11[105], HermenierDL11[174], HenttenryckM08[173], DavenportKRSH07[88], Simonis07[344]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	circuit	MontemanniD23a[267], Mercier-AubinGQ20[263], Wallace96[388]	KlankeBYE21[203], WessenCS20[394], KrogtLPHJ07[372], Kuchcin- skiW03[218]	PrataAN23[312], IsikYA23[186], Monte- manniD23[268], MullerMKP22[272], Arm- strongGOS21[13], KoehlerBFFHPSSS21[205], GroleazNS20[154], WallaceY20[389], Esco- betPQPRA19[110], Hooker17[181], Hech- ingH16[163], MelgarejoLS15[6], Mur- phyMB15[274], HoundjiSWD14[183], CireCH13[80], cpaior-SchuttFS13[329], LombardiM12[245], SchuttFSW11[332], CobanH10[82], Hooker06[180], cp-Hooker05[179], Hooker05[178], Hooker04[177], MartinPY01[258], RodosekW98[320], Simonis95[343]
Constraints	cumulative	AalianPG23[1], KameugneFND23[193], PovedaAA23[309], TardivoDFMP23[354], IsikYA23[186], LacknerMMWW23[224], BoudreaultSLQ22[67], OuelletQ22[291], ZhangJZL22[410], PohlAK22[305], Ha- nenKP21[159], KovacsTKSG21[215], Lackner- MMWW21[223], GroleazNS20[154], Mercier- AubinGQ20[263], SacramentoSP20[322], WallaceY20[389], GeibingerMM19[135], MalapertN19[254], YangSS19[402], No- vas19[284], abs-1911-04766[134], KameugneF- GOQ18[192], OuelletQ18[290], Tesch18[360], FahimiOQ18[113], LaborieRSV18[222], MossigeGSMC17[269], Pralet17[310], YoungFS17[403], KreterSS17[217], NattafAL17[277], SchuttS16[333], Szere- diS16[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], Si- moninAHL15[342], DejemeppeD14[93], DerrienP14[97], DerrienPZ14[98], GaySS14[131], KameugneFSN14[195], HeinzKB13[165], LetortCB13[229], Ouel- letQ13[289], SchuttFS13[330], cpaior- SchuttFS13[329], HeinzSB13[168], BonfiettiLBM12[62], HeinzB12[164], LetortBC12[228], SchuttCSW12[328], Ser- raNM12[335], LombardiM12[245], Cler- cqPBJ11[81], KameugneFSN11[194], Vilim11[382], KelbelH11[198], Schut- tFSW11[332], BertholdHMLS10[52], Lom- bardiM10[244], SchuttW10[334], Schut- tFSW09[331], Vilim09[380], cpaior-Vilim09[381], BeldiceanuCP08[44], BeldiceanuP07[45], Simonis07[344], KhemmoudjPB06[201], Hooker06[180], cp-Hooker05[179], Hooker05[178], HentenryckM04[172], Hooker04[177], BeldiceanuC02[42], HookerY02[182], Baptis- teP00[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], Ko- vacsB11[210], GrimesH10[149], AkkerDH07[370], BeniniBGM06[50], KovacsV06[214], ChuX05[79], VilimBC05[384], KovacsV04[213], Vil- imBC04[383], Caseau97[75]	Bit-Monnot23[55], JuvinHHL23[188], Gur- PAE23[157], YuraszcekMCCR23[406], abs- 2305-19888[170], abs-2306-05747[356], ArmstrongGOS22[14], Popovic- CGNC22[307], HeinzNVH22[169], Subu- lanC22[347], abs-2211-14492[348], Arm- strongGOS21[13], GeibingerMM21[136], KoehlerBFFHPSSS21[205], PandeyS21a[294], FrimodigS19[121], WikarekS19[395], abs-1902- 09244[160], AstrandJZ18[21], DemirovicS18[95], Laborie18a[221], ZhangW18[412], BofillCSV17[57], CappartS17[73], Gold- waserS17[146], CauwelaertDMS16[76], GilesH16[140], Madi-WambaB16[251], DejemeppeCS15[92], PesantRR15[301], SialaAH15[340], WangMD15[392], BartoliniB- BLM14[35], BonfiettiLM14[63], KoschB14[208], CireCH13[80], OzturkTHO13[293], Simonin- AHL12[341], BonfiettiLBM11[61], Chapad- dosJR11[78], EdisO11[105], GrimesH11[150], HermenierDL11[174], LombardiBMB11[242], La- borie09[220], LiessM08[232], RossiTHP07[321], ArtiouchineB05[18], Vilim05[379], Vilim04[378], Vilim03[377], Wolf03[397], Bartak02[33], ElkhyariGJ02[107], Vilim02[376], Timpe02[362], HeipckeCCS00[171], BeckDF97[37], Zhou97[415], Simonis95[343]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	diffn	ArmstrongGOS21[13], Simonis07[344]		KreterSS17[217], KreterSS15[216], Timpe02[362], Simonis95[343], SimonisC95[345]
Constraints	disjunctive	Bit-Monnot23[55], JuvinHHL23[188], KoehlerBFFHPSSS21[205], 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], SchuttFSW11[332], GrimesH10[149], SchuttW10[334], LopesCSM10[246], GrimesHM09[151], BeldiceanuCP08[44], ArtiguesBF04[16], Hen- tenryckM04[172], Wolf03[397], BaptisteP00[29], SakkoutW00[325], RodosekW98[320], Bel- hadjiI98[46], PapaB98[296], BaptisteP97[28], Zhou97[415], Zhou96[414]	BoudreaultSLQ22[67], Astrand0F21[20], GeibingerMM21[136], AstrandJZ20[22], SacramentoSP20[322], YangSS19[402], DemirovicS18[95], KameugneFGOQ18[192], EvenSH15[111], GayHS15[129], Vil- imLS15[385], EvenSH15a[112], Si- moninAHL15[342], GaySS14[131], KameugneFSN14[195], GrimesH11[150], Kel- belH11[198], MouraSCL08[271], LiessM08[232], MonetteDD07[265], ArtiouchineB05[18], SchildW00[327], Darby-DowmanLMZ97[86]	abs-2402-00459[279], EfthymiouY23[106], KameugneFND23[193], PovedaAA23[309], Tar- divoDFMP23[354], 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], DejemeppeCS15[92], GayHLS15[128], Mur- phyMB15[274], Siala15[339], KoschB14[208], GrimesIOS14[152], LetortCB13[229], Ouel- letQ13[289], HeinzSB13[168], IfrimOS12[185], SimoninAHL12[341], LimtanyakulS12[237], HermenierDL11[174], KameugneFSN11[194], LahimerLH11[225], Vilim11[382], Ko- vacsB11[210], BertholdHLMs10[52], CobanH10[82], LombardiM10[244], Laborie09[220], SchuttFSW09[331], GarridoAO09[126], WatsonB08[393], BeldiceanuP07[45], DavenportKRS07[88], Simonis07[344], Hooker06[180], ChuX05[79], Vilim05[379], cp-Hooker05[179], Hooker05[178], VilimBC05[384], Hooker04[177], Ko- vacsV04[213], Sadykov04[323], Vilim04[378], Vil- imBC04[383], DannaP03[85], Vilim03[377], Bar- tak02[33], ElkhayriGJ02[107], HookerY02[182], Vilim02[376], Timpe02[362], VanczaM01[374], HeipckeCCS00[171], Colombani96[84], Wal- lace96[388], Goltz95[147], Puget95[313]
Constraints	endbeforestart	SubulanC22[347], QinDCS20[315]		IsikYA23[186], PandeyS21a[294], Lunardi- BLRV20[249], MengZRZL20[262], Labori- eRSV18[222], NovaraNH16[283], Laborie09[220]
Constraints	nooverlap	JuvinHHL23[188], IsikYA23[186], abs- 2305-19888[170], PopovicCGNC22[307], HeinzNVH22[169], VlkHT21[387], Lu- nardiBLRV20[249], QinDCS20[315], GedikKEK18[132], MelgarejoLS15[6]	KimCMLLP23[202], LacknerMMWW23[224], abs-2306-05747[356], AbreuN22[89], PohlAK22[305], KlankeBYE21[203], Benedik- tMH20[48], MengZRZL20[262], Sacramen- toSP20[322], MalapertN19[254], MurinR19[273], EscobetPQPRA19[110], Novas19[284], abs-1911- 04766[134], LaborieRSV18[222], ZhangW18[412], BoothNB16[65], NovaraNH16[283], PraletLJ15[311], GoelSHFS15[144], EdisO11[105]	AalianPG23[1], JuvinHHL23[188], Ju- vinHL23[189], LacknerMMWW23[224], YuraszeckMCCR23[406], ZhangJZL22[410], CampeauG22[72], LacknerMMWW21[223], Hub- nerGSV21[184], ZhangYW21[411], TangB20[352], BenediktMH20[48], SacramentoSP20[322], GeibingerMM19[135], MurinR19[273], No- vas19[284], abs-1902-09244[160], abs-1911- 04766[134]
Constraints	regular expression	FrimodigS19[121]		AalianPG23[1], JuvinHL23[189], Squil- laciPR23[346], YuraszeckMC23[405], Arm- strongGOS22[14], OujanaAYB22[292], WinterMMW22[396], ZhangJZL22[410], CampeauG22[72], LacknerMMWW21[223], GroleazNS20[154], NattafM20[278], BogaerdT19[371], ColT19[83], GeibingerMM19[135], BenediktSMVH18[49], CappartS17[73], HechingH16[163], Vil- imLS15[385], WangMD15[392], Laborie09[220]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Constraints	span constraint		CappartS17[73], SchuttFS13[330], DowmanLMZ97[86]	Darby- OujanaAYB22[292], TangB20[352], Labori- eRSV18[222], SimoninAHL15[342], Simonin- AHL12[341], SchuttFSW11[332]
Constraints	table constraint	PapaB98[296]		PerezGSL23[299], abs-2312-13682[300], Arm- strongGOS21[13], GayHS15[129], Mel- garejoLS15[6], PesantRR15[301], Lim- tanyakulS12[237], HermenierDL11[174], LopesCSM10[246], MouraSCL08[271], ElkhyariGJ02[107]
ProgLanguages	C++			JuvinHHL23[188], TardivoDFMP23[354], PopovicCGNC22[307], AntuoriHHEN21[11], QinWSLS21[314], Mercier-AubinGQ20[263], AstrandJZ20[22], abs-1902-01193[8], LaborieRSV18[222], NattafAL17[277], BoothNB16[65], Tesch16[359], NattafAL15[276], LahimerLH11[225], LombardiBMB11[242], KovacsB11[210], KovacsK11[212], LopesCSM10[246], MouraSCL08[271], WatsonB08[393], LiessM08[232], Dav- enportKRSH07[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], BogaerdW19[371], Labori- eRSV18[222], Laborie09[220], GarridoOS08[127]
ProgLanguages	java		KuchcinskiW03[218]	KameugneFND23[193], abs-2306-05747[356], OuelletQ22[291], MullerMKP22[272], An- tuoriHHEN21[11], ArmstrongGOS21[13], FanXG21[115], TangB20[352], Sacramen- toSP20[322], ColT19[83], GeibingerMM19[135], abs-1911-04766[134], KameugneFGOQ18[192], OuelletQ18[290], LaborieRSV18[222], Cauwe- laertDMS16[76], Madi-WambaB16[251], MurphyMB15[274], cpaioir-GayHS15[130], EvenSH15a[112], LetortCB15[230], Der- rienP14[97], KoschB14[208], LetortCB13[229], LetortBC12[228], RendIPHPR12[318], Clerc- qPBJ11[81], SchuttW10[334], GrimesHM09[151], GarridoAO09[126], GarridoOS08[127], Odd- iPCC03[288], Wolf03[397]
ProgLanguages	julia			Wallace96[388]
ProgLanguages	lisp			ArmstrongGOS22[14], PopovicCGNC22[307], YangSS19[402], abs-1902-01193[8], LetortCB15[230], LetortCB13[229], LetortBC12[228], BeldiceanuCP08[44], KrogtLPHJ07[372], Simonis07[344], Bar- tak02[33], BeldiceanuC02[42], Darby- DowmanLMZ97[86], Goltz95[147]
ProgLanguages	prolog	ArmstrongGOS21[13], FalaschiGMP97[114], Zhou97[415], Wallace96[388], Simonis95[343], Touraivane95[366]	MossigeGSMC17[269], MartinPY01[258], Ro- dosekW98[320], Zhou96[414], SimonisC95[345]	

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ProgLanguages	python	KoehlerBFFHPSSS21[205]	AbreuN22[89], eRSV18[222]	abs-2211-14492[348], Labori-
				EfthymiouY23[106], KimCMLLP23[202], Mehdizadeh-Somarin23[260], PovedaAA23[309], SquillaciPR23[346], AkramNHRSA23[7], MontemanniD23[268], MontemanniD23a[267], CampeauG22[72], MullerMKP22[272], PohlAK22[305], HanenKP21[159], Klanke-BYE21[203], AbohashimaEG21[2], FanXG21[115], Mercier-AubinGQ20[263], LunardiBLRV20[249], FrimodigS19[121], GalleguillosKSB19[124], abs-1901-07914[41], abs-1902-01193[8], He0GLW18[161], GoldwaserS17[146], LiuCGM17[239]
CPSystems	CHIP	Simonis07[344], Wallace96[388], Goltz95[147], Simonis95[343], SimonisC95[345]	ArmstrongGOS21[13], YangSS19[402], LaborieRSV18[222], Timpe02[362], RodosekW98[320], Zhou97[415]	PrataAN23[312], KameugneFND23[193], TardivoDFMP23[354], PopovicCGNC22[307], KlankeBYE21[203], abs-1902-01193[8], KameugneFGOQ18[192], MossigeGSMC17[269], Pralet17[310], KreterSS17[217], FontaineMH16[117], Madi-WambaB16[251], KreterSS15[216], LetortCB15[230], SimoninAHL15[342], DerrienPZ14[98], GrimesIOS14[152], KameugneFSN14[195], cpaior-SchuttFS13[329], OzturkTHO13[293], LetortBC12[228], SchuttCSW12[328], SimoninAHL12[341], ClercqPBJ11[81], SchuttFSW11[332], SchuttW10[334], SchuttFSW09[331], BeldiceanuCP08[44], DavenportKRSH07[88], KhemmoudjPB06[201], BeldiceanuC02[42], BaptisteP00[29], SakkoutW00[325], PapaB98[296], BaptisteP97[28], Colombani96[84]
CPSystems	OPL	LacknerMMWW23[224], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], PandeyS21a[294], QinDCS20[315], EscobetPQPRA19[110], Novas19[284], LaborieRSV18[222], NovaraNH16[283], AlessioNBG14[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], KelbelH11[198], TopalogluO11[364], NovasH10[285], GarganiR07[125], KrogtLPHJ07[372], Hooker06[180], cp-Hooker05[179], ZeballosH05[408], VerfailleL01[375]	IsikYA23[186], YuraszeckMCCR23[406], ArmstrongGOS22[14], GeitzGSSW22[137], LiFJZLL22[231], OujanaAYB22[292], MengZRZL20[262], abs-1902-09244[160], ZhangW18[412], CappartS17[73], HechingH16[163], GoelSHFS15[144], CireCH13[80], HeinzB12[164], BartakS11[34], CobanH10[82], RossiTHP07[321], Hooker05[178], Hooker04[177], RodosekW98[320], Wallace96[388]
CPSystems	OZ		MaraveliasG04[257]	
CPSystems	Z3	KoehlerBFFHPSSS21[205]	VlkHT21[387]	ZhangW18[412], BofillCSV17[57], Zhou96[414]
CPSystems	choco	abs-2306-05747[356], LetortCB15[230], LetortCB13[229], OuelletQ13[289], LetortBC12[228], GrimesHM09[151], GarridoAO09[126], GarridoOS08[127]	KameugneFND23[193], MullerMKP22[272], AntuoriHHEN21[11], KameugneFGOQ18[192], FahimiOQ18[113], LaborieRSV18[222], GayHS15[129], DerrienP14[97], DerrienPZ14[98], KoschB14[208], ClercqPBJ11[81], HernerDL11[174]	OuelletQ22[291], YangSS19[402], OuelletQ18[290], Madi-WambaB16[251], EvenSH15[111], MurphyMB15[274], EvenSH15a[112], BessiereHMqw14[53], RossiTHP07[321]
CPSystems	chuffed	PovedaAA23[309], LacknerMMWW23[224], BoudreaultSLQ22[67], MullerMKP22[272], ArmstrongGOS21[13], GeibingerMM21[136], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], 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 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	cplex	WinterMMW22[396], MullerMKP22[272], Sub- ulanC22[347], GeibingerKKMMW21[133], Hub- nerGSV21[184], KoehlerBFFHPSSS21[205], PandeyS21a[294], LunardiBLRV20[249], MengZRZL20[262], QinDCS20[315], Sacra- mentoSP20[322], GeibingerMM19[135], MurinR19[273], abs-1911-04766[134], La- borieRSV18[222], KreterSS17[217], No- varaNH16[283], KoschB14[208], CireCH13[80], HeinzSB13[168], Mason01[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], Bofill- GSV15[59], PraletLJ15[311], VilimLS15[385], NattafAL15[276], BofillEGPSV14[58], GrimesIOS14[152], HeinzKB13[165], Bil- lautHL12[54], HeinzB12[164], SerraNM12[335], LimtanyakulS12[237], EdisO11[105], GrimesH11[150], KelbelH11[198], Hooker05[178], Hooker04[177], DannaP03[85], SakkoutW00[325], RodosekW98[320]	AalianPG23[1], JuvinHL23[189], PovedaAA23[309], SquillacipR23[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], EscobetPQPRA19[110], GedikKEK18[132], PourDERB18[308], ZhangW18[412], Pralet17[310], NattafAL17[277], BoothNB16[65], GilesH16[140], SzerediS16[351], BurtLPS15[70], KreterSS15[216], Melgare- joLS15[6], GoelSHFS15[144], WangMD15[392], AlesioNBG14[99], DoulabiRP14[103], Ke- larevaTK13[197], OzturkTHO13[293], HeinzSSW12[166], HachemiGR11[158], KovacsK11[212], TopalogluO11[364], BertholdHLM10[52], CobanH10[82], Daven- port10[87], ZeballosQH10[409], AkkerDH07[370], DavenportKRSH07[88], BeniniBGM06[50], Hooker06[180], KhayatLR06[200], cp- Hooker05[179], Timpe02[362], VerfaillieL01[375], BensanaLV99[51]
CPSystems	cpo	Bit-Monnot23[55], JuvinHHL23[188], Lack- nerMMWW23[224], WinterMMW22[396], Arm- strongGOS21[13], LacknerMMWW21[223], GroleazNS20[154], NattafM20[278], Sacra- mentoSP20[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], Ou- janaAYB22[292], GeibingerMM21[136], TangB20[352], Laborie18a[221], Pralet17[310], VilimLS15[385], Vilim09[380], Garri- doAO09[126], GarridoOS08[127]
CPSystems	eclipse	RodosekW98[320]	SchuttFSW11[332], KamarainenS02[190], Darby- DowmanLMZ97[86], Wallace96[388]	FanXG21[115], WikarekS19[395], Ze- ballosQH10[409], SchuttFSW09[331], BeniniBGM06[50], ChuX05[79], Mart- inPY01[258]
CPSystems	gecode	TardivoDFMP23[354], AstrandJZ20[22], Szere- diS16[351], GayHS15[129], KameugneFSN14[195]	MullerMKP22[272], AntuoriHHEN21[11], As- trand0F21[20], GeibingerKKMMW21[133], GeibingerMM19[135], abs-1911-04766[134], LaborieRSV18[222], BurtLPS15[70], Bofil- IEGPSV14[58], KameugneFSN11[194], Ko- vacsK11[212]	ArmstrongGOS21[13], WessenCS20[394], MengZRZL20[262], WallaceY20[389], FrimodigS19[121], YangSS19[402], As- trandJZ18[21], GoldwaserS17[146], Pe- santRR15[301], MonetteDD07[265]
CPSystems	gurobi	WangB23[391], LacknerMMWW23[224], Win- terMMW22[396], GeibingerKKMMW21[133], KovacsTKSG21[215], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], WangB20[390], WallaceY20[389]	VlkHT21[387], GoldwaserS17[146], FontaineMH16[117]	KimCMLLP23[202], MontemanniD23[268], abs-2305-19888[170], HeinzNVH22[169], PohlAK22[305], KlankeBYE21[203], Abo- hashimaEG21[2], FanXG21[115], Hub- nerGSV21[184], BenediktMH20[48], MengZRZL20[262], BenediktSMVH18[49], DemirovicS18[95], He0GLW18[161], BurtLPS15[70], PesantRR15[301]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
CPSystems	ilog scheduler	GrimesH11[150], ZeballosQH10[409]	LaborieRSV18[222], LimtanyakulS12[237], GrimesHM09[151], losH05[408]	HeinzB12[164], NovasH12[286], WatsonB08[393], Zebal-
				Laborie18a[221], SchuttS16[333], NovasH14[287], LahimerLH11[225], HachemiGR11[158], KovacsB11[210], SchuttFSW11[332], LopesCSM10[246], NovasH10[285], cpaio- Vilim09[381], MouraSCL08[271], Simonis07[344], KovacsV06[214], Hooker06[180], Artiouch- ineB05[18], WuBB05[401], cp-Hooker05[179], Hooker05[178], ArtiguesBF04[16], Hooker04[177], KovacsV04[213], DannaP03[85], BaptisteP00[29], Zhou97[415]
CPSystems	ilog solver	GrimesH11[150], ZeballosQH10[409]		abs-1902-01193[8], LaborieRSV18[222], ZarandiKS16[407], PesantRR15[301], No- vasH14[287], OzturkTHO13[293], Bon- fiettiLBM12[62], HeinzB12[164], No- vasH12[286], BonfiettiLBM11[61], Kel- belH11[198], KovacsB11[210], KovacsK11[212], TopalogluO11[364], LombardiM10[244], LopesCSM10[246], LombardiM09[243], MouraSCL08[271], BeniniBGM06[50], Zebal- losH05[408], ArtiguesBF04[16], DannaP03[85], MartinPY01[258], SchildW00[327], Ben- sanaLV99[51], PapaB98[296], Wallace96[388]
CPSystems	mini zinc	TardivoDFMP23[354], LacknerMMWW23[224], BoudreaultSLQ22[67], MullerMKP22[272], Arm- strongGOS21[13], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], Mercier- AubinGQ20[263], WallaceY20[389], ColT19[83], GeibingerMM19[135], abs-1911-04766[134], Li- uCGM17[239], YoungFS17[403], SzerediS16[351], BofillEGPSV14[58], KelarevaTK13[197]	PovedaAA23[309], KreterSS15[216]	KreterSS17[217], Bit-Monnot23[55], OuelletQ22[291], GeibingerKKMMW21[133], 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], Ko- vacsTKSG21[215], LacknerMMWW21[223], KoehlerBFFHPSSS21[205], ColT19[83], GayHS15[129]	EfthymiouY23[106], BoudreaultSLQ22[67], GeibingerKKMMW21[133], LiuCGM17[239]	Bit-Monnot23[55], KimCMLLP23[202], AkramNHRSA23[7], MontemanniD23[268], MontemanniD23a[267], KlankeBYE21[203], GroleazNS20[154], MengZRZL20[262], Gal- leguillosKSB19[124], YangSS19[402], abs- 1901-07914[41], PourDERB18[308], Bonfietti- ZLM16[64], LombardiM12[245]
CPSystems	sicstus	ArmstrongGOS21[13], LetortCB15[230], LetortCB13[229], LetortBC12[228]	MossigeGSMC17[269], SchuttFSW11[332]	ArmstrongGOS22[14], PopovicCGNC22[307], YangSS19[402], SchuttFSW09[331], BeldiceanuCP08[44], Bartak02[33], BeldiceanuC02[42]
ApplicationAreas	COVID		GeibingerKKMMW21[133]	Mehdizadeh-Somarin23[260], GurPAE23[157], OujanaAYB22[292]
ApplicationAreas	HVAC	LimHTB16[234], LimBTBB15[235]	GrimesIOS14[152]	
ApplicationAreas	agriculture			AkramNHRSA23[7], Astrand0F21[20], Qin- WSLS21[314]
ApplicationAreas	aircraft	PohlAK22[305], WangB20[390], Lom- bardiM12[245], FrankK05[119]	ArtiouchineB05[18], WangB23[391], Simonis07[344], SakkoutW00[325]	PrataAN23[312], PovedaAA23[309], abs-1902- 09244[160], LaborieRSV18[222], Laborie09[220], KrogtLPHJ07[372], MartinPY01[258], Darby- DowmanLMZ97[86], Wallace96[388], Simon- is95[343], SimonisC95[345]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ApplicationAreas	automotive		LimtanyakulS12[237], LimtanyakulS12[237], BarlattCG08[31], BarlattCG08[31], SchildW00[327], SchildW00[327]	PovedaAA23[309], PovedaAA23[309], AntuoriHHEN21[11], HubnerGSV21[184], KoehlerBFFHPSSS21[205], VlkHT21[387], AntuoriHHEN21[11], HubnerGSV21[184], KoehlerBFFHPSSS21[205], VlkHT21[387], GeibingerMM19[135], abs-1911-04766[134], GeibingerMM19[135], abs-1911-04766[134], BonfiettiZLM16[64], BonfiettiZLM16[64], AlesioNBG14[99], AlesioNBG14[99], BeniniBGM06[50], KovacsV06[214], BeniniBGM06[50], KovacsV06[214], Wallace96[388], Wallace96[388]
ApplicationAreas	cable tree	KoehlerBFFHPSSS21[205]		
ApplicationAreas	car manufacturing		AntuoriHHEN21[11]	
ApplicationAreas	container terminal	QinDCS20[315], SacramentoSP20[322]	LaborieRSV18[222]	PerezGSL23[299], abs-2312-13682[300], WallaceY20[389], CauwelaertDMS16[76], DejemeppeCS15[92], NovasH12[286], LimRX04[233]
ApplicationAreas	crew scheduling	PourDERB18[308]	Mason01[259], Touraivane95[366]	WangB23[391], HeinzNVH22[169], HachemiGR11[158], BeldiceanuC02[42]
ApplicationAreas	dairies			Bartak02[33]
ApplicationAreas	dairy	EscobetPQPRA19[110]	PrataAN23[312]	
ApplicationAreas	datacenter	HermenierDL11[174]		GalleguillosKSB19[124], IfrimOS12[185], LetortBC12[228]
ApplicationAreas	datacentre			
ApplicationAreas	day ahead market			
ApplicationAreas	deep space			
ApplicationAreas	earth observation	SquillaciPR23[346], VerfaillieL01[375]	BensanaLV99[51]	PraletLJ15[311], SimoninAHL15[342], KelarevaTK13[197], OddiPCC03[288]
ApplicationAreas	earth orbit			SquillaciPR23[346]
ApplicationAreas	electroplating		RodosekW98[320]	EfthymiouY23[106], WallaceY20[389], NovasH12[286]
ApplicationAreas	energy price	GrimesIOS14[152], IfrimOS12[185]		PrataAN23[312], EscobetPQPRA19[110], BenediktSMVH18[49], He0GLW18[161], LimHTB16[234]
ApplicationAreas	farming			WinterMMW22[396], AstrandOF21[20]
ApplicationAreas	forestry	HachemiGR11[158]		AstrandOF21[20]
ApplicationAreas	hoist	EfthymiouY23[106], WallaceY20[389], RodosekW98[320]	NovasH12[286], BonfiettiLBM11[61]	AstrandJZ18[21], BonfiettiLBM12[62], LombardiBMB11[242], PapaB98[296]
ApplicationAreas	medical	ShinBBHO18[338], WangMD15[392], TopalogluO11[364]	HechingH16[163], DejemeppeD14[93], RendlPHPR12[318]	AkramNHRSA23[7], IsikYA23[186], AbreuN22[89], GeibingerKKMMW21[133], FrimodigS19[121], Novas19[284], abs-1902-01193[8], GedikKEK18[132], BoothNB16[65], DoulabiRP14[103], Simonis07[344]
ApplicationAreas	nurse	GurPAE23[157], abs-1902-01193[8], ShinBBHO18[338], WangMD15[392], RendlPHPR12[318], Simonis07[344], Mason01[259]	OuelletQ22[291], GeibingerKKMMW21[133], GeibingerMM21[136]	PerezGSL23[299], abs-2312-13682[300], FrimodigS19[121], GedikKEK18[132], DoulabiRP14[103], TopalogluO11[364]
ApplicationAreas	offshore		SubulanC22[347]	BoudreaultSLQ22[67]
ApplicationAreas	oven scheduling	LacknerMMWW23[224], LacknerMMWW21[223]		
ApplicationAreas	patient	GurPAE23[157], FrimodigS19[121], ShinBBHO18[338], HechingH16[163], WangMD15[392], DejemeppeD14[93], RendlPHPR12[318], TopalogluO11[364]	GeibingerKKMMW21[133]	MurinR19[273], DoulabiRP14[103], Simonis07[344]
ApplicationAreas	perfect square	BeldiceanuCP08[44]		
ApplicationAreas	physician	GeibingerKKMMW21[133], ShinBBHO18[338]		GurPAE23[157], FrimodigS19[121], WangMD15[392], TopalogluO11[364]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
ApplicationAreas	pipeline	LopesCSM10[246], MouraSCL08[271]	BeniniBGM06[50]	EfthymiouY23[106], PopovicCGNC22[307], HanenKP21[159], LaborieRSV18[222], GilesH16[140], GoelSHFS15[144], SimoninAHL15[342], NovasH10[285], BarlattCG08[31], Wolf03[397], KuchcinskiW03[218], Darby-DowmanLMZ97[86], SimonisC95[345]
ApplicationAreas	radiation therapy	FrimodigS19[121]		
ApplicationAreas	railway	PourDERB18[308], CappartS17[73], Acuna-AgostMFG09[4], MartinPY01[258]	LaborieRSV18[222], Mason01[259]	BogaerdtW19[371], AbrilSB05[3], Wallace96[388]
ApplicationAreas	real time pricing		He0GLW18[161], GrimesIOS14[152]	LimHTB16[234]
ApplicationAreas	rectangle packing	YangSS19[402]		MossigeGSMC17[269], VilimLS15[385], SchuttW10[334], BeldiceanuCP08[44]
ApplicationAreas	robot	IsikYA23[186], LiFJZLL22[231], Armstrong-GOS21[13], KoehlerBFFHPSSS21[205], WessenCS20[394], MurinR19[273], abs-1901-07914[41], LaborieRSV18[222], MossigeGSMC17[269], BoothNB16[65], NovasH14[287], NovasH12[286]	PrataAN23[312], Mehdizadeh-Somarin23[260], OujanaAYB22[292], Astrand0F21[20], WallaceY20[389], WikarekS19[395], VanczaM01[374]	MontemanniD23[268], abs-2305-19888[170], GeitzGSSW22[137], HeinzNVH22[169], MullerMKP22[272], VlkHT21[387], ZhangYW21[411], AstrandJZ20[22], BenediktMH20[48], MengZRZL20[262], Novas19[284], AstrandJZ18[21], ZhangW18[412], ZarandiKS16[407], SimoninAHL15[342], BonfiettiLBM12[62], LimtanyakulS12[237], BonfiettiLBM11[61], ZeballosQH10[409], ZeballosH05[408], CestaOS98[77], BeckDF97[37], Caseau97[75], Wallace96[388]
ApplicationAreas	satellite	SquillaciPR23[346], LaborieRSV18[222], PraletLJ15[311], KelarevaTK13[197], VerfaillieL01[375], BensanaLV99[51]	Laborie09[220], FrankK05[119]	EfthymiouY23[106], Astrand0F21[20], Pralet17[310], SimoninAHL15[342], BessiereHMQW14[53], HeinzSB13[168], SimoninAHL12[341], OddiPCC03[288]
ApplicationAreas	semiconductor	MalapertN19[254], NovasH12[286]	QinWSLS21[314], KroggtLPHJ07[372]	Davenport10[87], LacknerMMWW23[224], ZhangJZL22[410], MullerMKP22[272], abs-2211-14492[348], LacknerMMWW21[223], FanXG21[115], PandeyS21a[294], NattafM20[278], TangB20[352], MengZRZL20[262], Novas19[284], LaborieRSV18[222], KoschB14[208]
ApplicationAreas	ship building			
ApplicationAreas	steel cable			AalianPG23[1]
ApplicationAreas	steel mill	GaySS14[131], HeinzSSW12[166], SchausHMCMD11[326], HentenryckM08[173], GarganiR07[125]		PerezGSL23[299], abs-2312-13682[300]
ApplicationAreas	super computer	BartoliniBBLM14[35]		GalleguillosKSB19[124]
ApplicationAreas	torpedo	GoldwaserS17[146], KletzanderM17[204]		
ApplicationAreas	vaccination			
ApplicationAreas	yard crane		QinDCS20[315]	WallaceY20[389]
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]
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]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
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]
Industries	pharmaceutical industry			YuraszeckMCCR23[406], GeibingerKKMMW21[133], NovaraNH16[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], OujanaAYB22[292], LacknerMMWW21[223], abs-1902-09244[160], GoldwasserS17[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]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	benchmark	Bit-Monnot23[55], JuvinHHL23[188], PovedaAA23[309], TardivoDFMP23[354], IsikYA23[186], LacknerMMWW23[224], YuraszeckMCCR23[406], abs-2306- 05747[356], BoudreaultSLQ22[67], LiFJ- ZLL22[231], OuelletQ22[291], Winter- MMW22[396], ZhangJZL22[410], AbreuN22[89], MullerMKP22[272], abs-2211-14492[348], GeibingerMM21[136], LacknerMMWW21[223], FanXG21[115], KoehlerBFFHPSSS21[205], PandeyS21a[294], ZhangYW21[411], Wal- laceY20[389], ColT19[83], FrimodigS19[121], abs-1902-09244[160], abs-1911-04766[134], DemirovicS18[95], Laborie18a[221], Ouel- letQ18[290], GedikKEK18[132], La- borieRSV18[222], KreterSS17[217], BurtLPS15[70], KreterSS15[216], Melgare- joLS15[6], VilimLS15[385], BonfiettiLM14[63], cpaior-SchuttFS13[329], HeinzSB13[168], GrimesH11[150], SchuttFSW11[332], Schut- tFSW09[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], HeinzNVH22[169], Kovac- sTKSG21[215], GroleazNS20[154], Benedik- tMH20[48], MengZRZL20[262], Sacramen- toSP20[322], GeibingerMM19[135], No- vas19[284], FahimiOQ18[113], BofillCSV17[57], MossigeGSMC17[269], BonfiettiZLM16[64], SchuttS16[333], SzerediS16[351], No- varaNH16[283], DejemeppeCS15[92], Lom- bardiBM15[241], SialaAH15[340], cpaior- GayHS15[130], LetortCB15[230], KoschB14[208], KameugneFSN14[195], LetortCB13[229], OuelletQ13[289], SchuttCSW12[328], LimtanyakulS12[237], ClercqPB11[81], KameugneFSN11[194], KelbelH11[198], GrimesH10[149], GrimesHM09[151], BeldiceanuCP08[44], MonetteDD07[265], HentenryckM04[172], KovacsV04[213], Vil- imBC04[383], DannaP03[85], OddiPCC03[288], Zhou97[415]	PrataAN23[312], EfthymiouY23[106], Kim- CMLLP23[202], SquillaciPR23[346], Mon- temanniD23[268], ArmstrongGOS22[14], PohlAK22[305], SubulanC22[347], Arm- strongGOS21[13], AstrandOF21[20], Klanke- BYE21[203], HubnerGSV21[184], VlkHT21[387], NattafM20[278], AstrandJZ20[22], Lu- nardiBLRV20[249], QinDCS20[315], Bo- gaerdtW19[371], MalapertN19[254], Mur- inR19[273], abs-1901-07914[41], Kameugne- FGOQ18[192], PourDERB18[308], ZhangW18[412], GelainPRVW17[138], Hooker17[181], Pralet17[310], YoungFS17[403], CauwelaertDMS16[76], FontaineMH16[117], Madi-WambaB16[251], GayHLS15[128], LimBTBB15[235], Siala15[339], Ale- sioNBG14[99], BessiereHMqw14[53], Der- rienPZ14[98], NovasH14[287], GuSS13[156], SchuttFS13[330], BonfiettiLBM12[62], LetortBC12[228], RendlPHPR12[318], Ser- raNM12[335], LombardiM12[245], Bonfi- ettiLBM11[61], LahimerLH11[225], Lom- bardiBMB11[242], Vilim11[382], KovacsB11[210], SchausHMCMD11[326], LombardiM10[244], SchuttW10[334], LopesCSM10[246], Ze- ballosQH10[409], Laborie09[220], Garri- doAO09[126], LauLN08[226], LiessM08[232], KovacsV06[214], KhayatLR06[200], FrankK05[119], Vilim05[379], WuBB05[401], Vil- imBC05[384], ArtiguesBF04[16], Vilim04[378], BeldiceanuC02[42], KamarainenS02[190], Baptis- teP00[29], RodosekW98[320], PapaB98[296], BaptisteP97[28], Caseau97[75], Darby- DowmanLMZ97[86], Goltz95[147], Puget95[313], He0GLW18[161], CappartS17[73], Cauwe- laertDMS16[76], DejemeppeCS15[92], GayHLS15[128], GayHS15[129], cpaior- GayHS15[130], DejemeppeD14[93], Hound- jiSWD14[183]
Benchmarks	bitbucket		TardivoDFMP23[354]	
Benchmarks	bitlab			
Benchmarks	generated instance	IsikYA23[186], abs-1911-04766[134]	PerezGSL23[299], abs-2312-13682[300], Madi- WambaB16[251], KelbelH11[198], SchausHM- CMD11[326]	abs-2402-00459[279], EfthymiouY23[106], abs-2305-19888[170], BoudreaultSLQ22[67], HeinzNVH22[169], abs-2211-14492[348], AstrandOF21[20], GeibingerMM21[136], HanenKP21[159], AbohashimaEG21[2], BenediktMH20[48], LunardiBLRV20[249], GeibingerMM19[135], MalapertN19[254], YangSS19[402], BenediktSMVH18[49], PourDERB18[308], GoldwasserS17[146], MossigeGSMC17[269], BonfiettiZLM16[64], DejemeppeCS15[92], LetortCB15[230], NattafAL15[276], HoundjiSWD14[183], Lim- tanyakulS12[237], BonfiettiLBM11[61], Ko- vacsV06[214], ArtiouchineB05[18], LimRX04[233]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	github	KoehlerBFFHPSSS21[205]	PovedaAA23[309], BoudreaultSLQ22[67], LunardiBLRV20[249]	TardivoDFMP23[354], BenediktMH20[48], abs-2402-00459[279], JuvinHHL23[188], YuraszeckMC23[405], abs-2306-05747[356], OuelletQ22[291], GeibingerMM21[136], KovacsTKSG21[215], AbohashimaEG21[2], VlkHT21[387], WangB20[390], ColT19[83], MurinR19[273], abs-1901-07914[41], abs-1911-04766[134], BenediktSMVH18[49], ShinBBHO18[338], GoldwaserS17[146], LiuCGM17[239], YoungFS17[403], Bonfietti-ZLM16[64], SialaAH15[340], Bit-Monnot23[55], SquillaciPR23[346], YuraszeckMCCR23[406], GeitzGSSW22[137], MullerMKP22[272]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Benchmarks	http://	YuraszeckMC23[405], IsikYA23[186], HeinzNVH22[169], He0GLW18[161], Li- uCGM17[239], VilimLS15[385], BofilLEG- PSV14[58], GrimesIOS14[152], Schut- tFSW11[332], GarridoAO09[126], Mason01[259]	KameugneFND23[193], WessenCS20[394], DemirovicS18[95], GedikKEK18[132], La- borieRSV18[222], PourDERB18[308], ShinBBHO18[338], BofilCSV17[57], LimHTB16[234], NovaraNH16[283], Bofil- GSV15[59], BurtLPS15[70], LimBTBB15[235], MurphyMB15[274], SialaAH15[340], LetortCB15[230], WangMD15[392], Bar- toliniBBLM14[35], KameugneFSN14[195], KelarevaTK13[197], LetortCB13[229], cpaior-SchuttFS13[329], IfrimOS12[185], LetortBC12[228], SerraNM12[335], Vilim05[379], VanczaM01[374], HeipckeCCS00[171], Ben- sanaLV99[51], Darby-DowmanLMZ97[86]	PrataAN23[312], abs-2402-00459[279], Juv- inHHL23[188], WangB23[391], Caballero23[71], LacknerMMWW23[224], MontemanniD23a[267], abs-2305-19888[170], GeitzGSSW22[137], AbreuN22[89], PohlAK22[305], Antuori- HHEN21[11], GeibingerKKMMW21[133], KovacsTKSG21[215], HubnerGSV21[184], KoehlerBFFHPSSS21[205], VlkHT21[387], Mercier-AubinGQ20[263], NattafM20[278], WangB20[390], AstrandJZ20[22], Wal- laceY20[389], BogaerdtW19[371], ColT19[83], GalleguillosKSB19[124], GeibingerMM19[135], MalapertN19[254], EscobetPQPRA19[110], abs- 1901-07914[41], abs-1911-04766[134], Kameugne- FGOQ18[192], Laborie18a[221], ZhangW18[412], GelainPRVW17[138], GoldwaserS17[146], KletzanderM17[204], MossigeGSMC17[269], Pralet17[310], YoungFS17[403], KreterSS17[217], NattafAL17[277], CauwelaertDMS16[76], Madi-WambaB16[251], SchuttS16[333], SzerediS16[351], Tesch16[359], Deje- meppeCS15[92], EvenSH15[111], GayHS15[129], KreterSS15[216], MelgarejoLS15[6], PesantRR15[301], EvenSH15a[112], GoelSHFS15[144], Kameugne15[191], NattafAL15[276], Siala15[339], AlesioNBG14[99], BessiereHMqw14[53], BonfiettiLM14[63], DerrienPZ14[98], HoundjiSWD14[183], NovasH14[287], OuelletQ13[289], Schut- tFS13[330], HeinzSB13[168], OzturkTHO13[293], BonfiettiLBM12[62], RendlPHPR12[318], SchuttCSW12[328], HeinzSSW12[166], Lim- tanyakulS12[237], BonfiettiLBM11[61], ClercqPB11[81], GrimesH11[150], Her- menierDL11[174], KameugneFSN11[194], LahimerLH11[225], Vilim11[382], Bar- takS11[34], KelbelH11[198], KovacsK11[212], SchausHMCMD11[326], TopalogluO11[364], BertholdHLM10[52], LopesCSM10[246], No- vasH10[285], ZeballosQH10[409], Laborie09[220], SchuttFSW09[331], Vilim09[380], Garri- doOS08[127], LiessM08[232], GarganiR07[125], KeriK07[199], Hooker06[180], KhayatLR06[200], AbrilSB05[3], ArtiouchineB05[18], Dilk- inaDH05[100], FortinZDF05[118], Vil- imBC05[384], ZeballosH05[408], KovacsV04[213], Vilim04[378], VilimBC04[383], Odd- iPCC03[288], Bartak02[33], HookerY02[182], KamarainenS02[190], Muscettola02[275], Timpe02[362], VerfaillieL01[375], Baptis- teP00[29], SakkoutW00[325], SchildW00[327], PapaB98[296], Wallace96[388]

Table 8: 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], Boudreault- SLQ22[67], GeitzGSSW22[137], OuelletQ22[291], CampeauG22[72], HeinzNVH22[169], MullerMKP22[272], AstrandOF21[20], GeibingerKKMMW21[133], HanenKP21[159], HillTV21[175], KlankeBYE21[203], Hubn- erGSV21[184], KoehlerBFFHPSSS21[205], GroleazNS20[154], Mercier-AubinGQ20[263], NattafM20[278], WessenCS20[394], Benedik- tMH20[48], LunardiBLRV20[249], Bo- gaerdW19[371], ColT19[83], Galleguil- losKSB19[124], GeibingerMM19[135], MalapertN19[254], MurinR19[273], YangSS19[402], DemirovicS18[95], KameugneF- GOQ18[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], PohlAK22[305], Subu- lanC22[347], KovacsTKSG21[215], TangB20[352], SacramentoSP20[322], WallaceY20[389], FrimodigS19[121], abs-1911-04766[134], AstrandJZ18[21], BenediktSMVH18[49], He0GLW18[161], GedikKEK18[132], Li- uCGM17[239], YoungFS17[403]	PrataAN23[312], Bit-Monnot23[55], Ju- vinHHL23[188], JuvinHL23[189], Ca- ballero23[71], abs-2306-05747[356], Ou- janaAYB22[292], PopovicCGNC22[307], abs- 2211-14492[348], AntuoriHHEN21[11], Arm- strongGOS21[13], LacknerMMWW21[223], AbohashimaEG21[2], FanXG21[115], PandeyS21a[294], QinWSLS21[314], VlkHT21[387], ZhangYW21[411], WangB20[390], AstrandJZ20[22], MengZRZL20[262], QinDCS20[315], EscobetPQPRA19[110], Novas19[284], abs-1901-07914[41], abs- 1902-09244[160], FahimiOQ18[113], La- borieRSV18[222], ShinBBHO18[338], Cap- partS17[73], GoldwaserS17[146], Bonfi- ettiZLM16[64], CauwelaertDMS16[76], FontaineMH16[117], Madi-WambaB16[251], DejemeppeCS15[92], GayHS15[129], cpaior- GayHS15[130], WangMD15[392], Deje- meppeD14[93], HoundjiSWD14[183]
Benchmarks	industrial instance		BonfiettiZLM16[64]	EfthymiouY23[106], PovedaAA23[309], abs-2306-05747[356], OujanaAYB22[292], GroleazNS20[154], Mercier-AubinGQ20[263], NattafM20[278], MalapertN19[254], Boffil- GSV15[59], BofilLEGPSV14[58], Bonfiet- tiLBM11[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], Heipck- eCCS00[171]
Benchmarks	random instance	LacknerMMWW21[223], WallaceY20[389]	EfthymiouY23[106], WangB23[391], Lack- nerMMWW23[224], LetortCB15[230], Kel- belH11[198]	Mehdizadeh-Somarin23[260], OuelletQ22[291], MullerMKP22[272], abs-2211-14492[348], HanenKP21[159], KlankeBYE21[203], VlkHT21[387], BenediktMH20[48], Lu- nardiBLRV20[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], Artiouch- ineB05[18], Hooker05[178], Hooker04[177], BeldiceanuC02[42]

Table 8: 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], Mart-inPY01[258]	LacknerMMWW23[224], OujanaAYB22[292], AstrandOF21[20], KlankeBYE21[203], Lack-nerMMWW21[223], abs-1911-04766[134], PourDERB18[308], GaySS14[131], Lim-tanyakulS12[237], Tsang03[368], SimonisC95[345]	PrataAN23[312], EftymiouY23[106], PovedaAA23[309], IsikYA23[186], BoudreaultSLQ22[67], GeitzGSSW22[137], CampeauG22[72], GeibingerMM21[136], AstrandJZ20[22], SacramentoSP20[322], WallaceY20[389], GeibingerMM19[135], MurinR19[273], Laborie18a[221], Cap-partS17[73], GelainPRVW17[138], Cauwelaert-DMS16[76], EvenSH15[111], EvenSH15a[112], BessiereHMQW14[53], GrimesIOS14[152], OzturkTHO13[293], IfrimOS12[185], LombardiBMB11[242], BartakS11[34], TopalogluO11[364], GarganiR07[125], BeniniBGM06[50], KhayatLR06[200], Ko-vacsEKV05[211], VilimBC05[384], Ko-vacsV04[213], VilimBC04[383], Bartak02[33], BeldiceanuC02[42], VanczaM01[374], Bel-hadjil98[46], Darby-DowmanLMZ97[86], Touraivane95[366]
Benchmarks	real world	abs-2305-19888[170], HeinzNVH22[169], GeibingerMM21[136], KoehlerBFFH-PSSS21[205], GeibingerMM19[135], abs-1902-09244[160], abs-1911-04766[134], EvenSH15[111], MelgarejoLS15[6], EvenSH15a[112], RendIPHPR12[318]	PrataAN23[312], AalianPG23[1], WangB23[391], IsikYA23[186], YuraszeckMCCR23[406], abs-2306-05747[356], OujanaAYB22[292], MullerMKP22[272], ArmstrongGOS21[13], TangB20[352], WessenCS20[394], As-trandJZ20[22], WallaceY20[389], FrimodigS19[121], LaborieRSV18[222], Pour-DERB18[308], ShinBBHO18[338], Bon-fiettiZLM16[64], HechingH16[163], Mur-phyMB15[274], KelarevaTK13[197], Ozturk-THO13[293], LombardiM12[245], BartakS11[34], LopesCSM10[246]	abs-2402-00459[279], Bit-Monnot23[55], JuvinHL23[189], KimCMLLP23[202], PerezGSL23[299], PovedaAA23[309], Tardi-voDFMP23[354], abs-2312-13682[300], Arm-strongGOS22[14], BoudreaultSLQ22[67], GeitzGSSW22[137], AbreuN22[89], CampeauG22[72], PohlAK22[305], SubulanC22[347], AstrandOF21[20], GeibingerKKMMW21[133], HillTV21[175], KovacsTKSG21[215], AbohashimaEG21[2], SacramentoSP20[322], ColT19[83], abs-1901-07914[41], DemirovicS18[95], He0GLW18[161], KameugneFGOQ18[192], Laborie18a[221], MossigeGSMC17[269], NattafAL17[277], BoothNB16[65], LimHTB16[234], Madi-WambaB16[251], ZarandiKS16[407], BurtLPS15[70], DejemeppeCS15[92], Lom-bardiBM15[241], cpaior-GayHS15[130], WangMD15[392], BonfiettiLM14[63], Der-rienPZ14[98], GrimesIOS14[152], Ser-raNM12[335], HeinzSSW12[166], Schut-tFSW11[332], LombardiM10[244], Ze-ballosQH10[409], Laborie09[220], Lom-bardiM09[243], SchuttFSW09[331], Bar-lattCG08[31], LauLN08[226], WatsonB08[393], GarridoOS08[127], KrogtLPHJ07[372], Khem-moudjPB06[201], KamarainenS02[190], VanczaM01[374], SakkoutW00[325], BeckDF97[37], Darby-DowmanLMZ97[86]
Benchmarks	supplementary material		MontemanniD23[268]	JuvinHHL23[188], abs-2306-05747[356], BoudreaultSLQ22[67], WinterMMW22[396], AntuoriHHEN21[11], ArmstrongGOS21[13], KovacsTKSG21[215], LacknerMMWW21[223], MengZRZL20[262]
Benchmarks	zenodo	LacknerMMWW23[224], SacramentoSP20[322]		KimCMLLP23[202], WinterMMW22[396], Arm-strongGOS21[13]
Algorithms	bi partite matching			Simonis07[344], Kumar03[219]

Table 8: Papers by Domain and Keyword

Domain	Keyword	High	Medium	Low
Algorithms	edge finder	KameugneFND23[193], BaptisteP00[29]	KameugneFSN14[195], OuelletQ13[289], KelbelH11[198], PapaB98[296]	BonfiettiZLM16[64], SchuttFSW11[332], SakkoutW00[325], BaptisteP97[28], Zhou97[415]
Algorithms	edge finding	JuvinHHL23[188], TardivoDFMP23[354], YangSS19[402], KreterSS17[217], Kameugne15[191], OuelletQ13[289], ClercqPBJ11[81], Vilim11[382], SchuttFSW11[332], ArtiouchineB05[18], VilimBC05[384], PapaB98[296], BaptisteP97[28], BeckDF97[37]	KameugneFND23[193], OuelletQ22[291], FahimiOQ18[113], cpaior-GayHS15[130], KameugneFSN14[195], cpaior-SchuttFS13[329], KameugneFSN11[194], Vilim09[380], Hooker05[178], VilimBC04[383], BaptisteP00[29], BeckDF97[37]	BoudreaultSLQ22[67], Tesch18[360], LaborieRSV18[222], CauwelaertDMS16[76], DejemeppeCS15[92], LetortCB15[230], LetortCB13[229], LombardiM12[245], LiessM08[232], MonetteDD07[265], Vilim04[378], Bartak02[33], Zhou97[415]
Algorithms	energetic reasoning	OuelletQ22[291], HananKP21[159], OuelletQ18[290], Tesch18[360], NattafAL17[277], Tesch16[359], NattafAL15[276], SchuttFS13[329], Vilim11[382]	KameugneFND23[193], KameugneFGOQ18[192], SchuttFS13[330]	TardivoDFMP23[354], IsikYA23[186], BoudreaultSLQ22[67], Armstrong-GOS21[13], YangSS19[402], Laborie18a[221], BofillCSV17[57], KameugneFSN14[195], LetortCB13[229], OuelletQ13[289], LombardiM12[245], ClercqPBJ11[81], LahimerLH11[225], Vilim09[380], cpaior-Vilim09[381], 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], FahimiOQ18[113], SchuttFSW11[332], ArtiouchineB05[18], VilimBC05[384]	KameugneFGOQ18[192], DejemeppeCS15[92], 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]	Tesch18[360], DejemeppeCS15[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], YangSS19[402], CauwelaertDMS16[76], Tesch16[359], LimtanyakulS12[237], GrimesHM09[151], Vilim09[380], cpaior-Vilim09[381], Vilim03[377]
Algorithms	sweep	Tesch18[360], Tesch16[359], GayHS15[129], LetortCB15[230], NattafAL15[276], SimoninAHL15[342], DerrienPZ14[98], LetortCB13[229], LetortBC12[228], SimoninAHL12[341], ClercqPBJ11[81], BeldiceanuP07[45], Wolf03[397], BeldiceanuC02[42]	BonfiettiZLM16[64], FahimiOQ18[113], cpaior-GayHS15[130]	KameugneFND23[193], TardivoDFMP23[354], GeitzGSSW22[137], OuelletQ22[291], KameugneFGOQ18[192], EvenSH15[111], EvenSH15a[112], DerrienP14[97], GaySS14[131], OuelletQ13[289], Vilim11[382], BeldiceanuCP08[44], Simonis07[344], VilimBC05[384], Vilim04[378]

Table 8: Papers by Domain and Keyword				
Domain	Keyword	High	Medium	Low
Algorithms	time tabling	TardivoDFMP23[354], OuelletQ22[291], DemirovicS18[95], FahimiOQ18[113], cpaior-GayHS15[130], OuelletQ13[289], 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], GeibingerMM21[136], GeibingerMM19[135], abs-1911-04766[134], AstrandJZ18[21], KameugneF-GOQ18[192], YoungFS17[403], Tesch16[359], ZarandiKS16[407], GayHLS15[128], LimBTBB15[235], VilimLS15[385], WangMD15[392], BofilEGPSV14[58], KameugneFSN14[195], GuSS13[156], Schut-tFS13[330], HeinzSB13[168], Bonfiet-tiLBM12[62], ChapadosJR11[78], ClercqPBJ11[81], KameugneFSN11[194], TopalogluO11[364], GrimesH10[149], Simo-nis07[344], Tsang03[368], SchildW00[327]

5 Examples from Books and Courses

6 Benchmark Sets

6.1 CSPLib

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

7 Other Examples

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