CP Papers on Scheduling

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Table 1: List of Papers

Authors	Title	Cite	Year	Conf Journal	Pages	$\frac{\text{CP}}{\text{System}}$	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	[5]	2023	CP	16	CP Opt Mistral	(y)			preemptive Job Shop	endBeforeStar span noOverlap
G. Povéda, N. Álvarez, C. Artigues	Partially Preemptive Multi Skill/Mode Resource- Constrained Project Scheduling with Generalized Precedence Relations and Calendars	[7]	2023	CP	21		У	У		PP-MS-MMRCPSP/max-cal	noovernap
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	[6]	2023	CP	17					RCPSPs	
E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	A Two-Phase Hybrid Approach for the Hybrid Flexible Flowshop with Transportation Times	[3]	2022	CPAIOR	13	CP Opt	(y)	-	[2]	$HFFm tt C_{ m max}$	endBeforeStar alternative cumulative noOverlap
E. Armstrong, M. Garraffa, B. O'Sullivan, H. Simonis	The Hybrid Flexible Flowshop with Transportation Times	[2]	2021	CP	18	MiniZinc Chuffed CP Opt	У	У	-	$HFFm tt C_{\max}$	cumulative diffn table
D. Grimes, G. Ifrim, B. O'Sullivan, H. Simonis	Analyzing the impact of electricity price forecasting on energy cost-aware scheduling	[4]	2014	J.SUSCOM		SICStus	-	-	-		

References

- [1] Younes Aalian, Gilles Pesant, and Michel Gamache. Optimization of short-term underground mine planning using constraint programming. In Roland H. C. Yap, editor, 29th International Conference on Principles and Practice of Constraint Programming, CP 2023, August 27-31, 2023, Toronto, Canada, volume 280 of LIPIcs, pages 6:1–6:16. Schloss Dagstuhl Leibniz-Zentrum für Informatik, 2023.
- [2] Eddie Armstrong, Michele Garraffa, Barry O'Sullivan, and Helmut Simonis. The hybrid flexible flowshop with transportation times. In Laurent D. Michel, editor, 27th International Conference on Principles and Practice of Constraint Programming, CP 2021, Montpellier, France (Virtual Conference), October 25-29, 2021, volume 210 of LIPIcs, pages 16:1–16:18. Schloss Dagstuhl Leibniz-Zentrum für Informatik, 2021.
- [3] Eddie Armstrong, Michele Garraffa, Barry O'Sullivan, and Helmut Simonis. A two-phase hybrid approach for the hybrid flexible flowshop with transportation times. In Pierre Schaus, editor, Integration of Constraint Programming, Artificial Intelligence, and Operations Research 19th International Conference, CPAIOR 2022, Los Angeles, CA, USA, June 20-23, 2022, Proceedings, volume 13292 of Lecture Notes in Computer Science, pages 1–13. Springer, 2022.
- [4] Diarmuid Grimes, Georgiana Ifrim, Barry O'Sullivan, and Helmut Simonis. Analyzing the impact of electricity price forecasting on energy cost-aware scheduling. *Sustain. Comput. Informatics Syst.*, 4(4):276–291, 2014.
- [5] Carla Juvin, Emmanuel Hebrard, Laurent Houssin, and Pierre Lopez. An efficient constraint programming approach to preemptive job shop scheduling. In Roland H. C. Yap, editor, 29th International Conference on Principles and Practice of Constraint Programming, CP 2023, August 27-31, 2023, Toronto, Canada, volume 280 of LIPIcs, pages 19:1–19:16. Schloss Dagstuhl Leibniz-Zentrum für Informatik, 2023.
- [6] Roger Kameugne, Sévérine Betmbe Fetgo, Thierry Noulamo, and Clémentin Tayou Djamégni. Horizontally elastic edge finder rule for cumulative constraint based on slack and density. In Roland H. C. Yap, editor, 29th International Conference on Principles and Practice of Constraint Programming, CP 2023, August 27-31, 2023, Toronto, Canada, volume 280 of LIPIcs, pages 20:1–20:17. Schloss Dagstuhl - Leibniz-Zentrum für Informatik, 2023.
- [7] Guillaume Povéda, Nahum Álvarez, and Christian Artigues. Partially preemptive multi skill/mode resource-constrained project scheduling with generalized precedence relations and calendars. In Roland H. C. Yap, editor, 29th International Conference on Principles and Practice of Constraint Programming, CP 2023, August 27-31, 2023, Toronto, Canada, volume 280 of LIPIcs, pages 31:1–31:21. Schloss Dagstuhl Leibniz-Zentrum für Informatik, 2023.