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Profile

Zhaohui Liu is a Professor of Mathematics at East China University of Science and Technology (ECUST). He received his BS degree in Operations Research from Fudan University in 1992, and PhD degree in Applied Mathematics from ECUST in 1998. His principal research interests are in combinatorial optimization and scheduling theory, and he has published a number of papers in Operations Research Letters, European Journal of Operational Research, IIE Transactions, Journal of Combinatorial Optimization, Theoretical Computer Science, and other academic journals.

Research Field

Combinatorial Optimization, Scheduling Theory

Research results and selected published papers

1. Z Liu, J Zhan (2020) Online fractional hierarchical scheduling on uniformly related machines, Computers and Operations Research, 113, 104778.
2. Y Yang, Z Liu (2019) Approximating the multiple-depot multiple-terminal Hamiltonian path problem, Discrete Optimization, 34, 100545.
3. W Yu, Z Liu, X Bao (2019) New approximation algorithms for the minimum cycle cover problem, Theoretical Computer Science, 793, 44-58.
4. W Yu, Z Liu (2016) Improved Approximation Algorithms for Some Min-Max and Minimum Cycle Cover Problems, Theoretical Computer Science, 654, 45-58.
5. X Lu, Z Liu (2015) Online hierarchical scheduling on two uniform machines with bounded job sizes, Asia-Pacific Journal of Operational Research, 32(5), 1550032.
6. W Yu, Z Liu, X Bao (2014) Optimal Algorithms for Some Variants of Online Quota Traveling Salesman Problem, European Journal of Operational Research, 238(3), 735-740.
7. W Yu, Z Liu (2014) Vehicle Routing Problems with Regular Objective Functions on a Path, Naval Research Logistics, 61(1), 34-43.
8. S Zhou, Z Liu (2013) A Theoretical Development for the Total Tardiness Problem and Its Application in Branch and Bound Algorithms, Computers and Operations Research, 40(1), 248-252.
9. W Yu, Z Liu, L Wang, T Fan (2011) Routing Open Shop and Flow Shop Scheduling Problems, European Journal of Operational Research, 213(1), 24-36.
10. W Yu, Z Liu (2011) Single-vehicle Scheduling Problems with Release and Service Times on a Line, Networks, 57(2), 128-134.