

Lei LIU

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ACADEMIC EXPERIENCE	Marie Curie Research Fellow • Politecnico di Milano, Mechanical Engineering Department, Milano, Italy	Feb., 2020-present
EDUCATION	Ph.D. in Mechanical Engineering • Politecnico di Milano, Milano, Italy • Advisor: Prof. Marcello Urgo • Thesis: Risk-based Scheduling in the Re-manufacturing of Turbine Blades	Jan., 2023(Expected)
	M.S. in Logistics Engineering • Tsinghua University, Beijing, China • Advisor: Prof. Canrong Zhang • Thesis: A Branch and Bound Algorithm for the Robust Parallel Machine Scheduling with Sequence Dependent Set-up Time	July, 2017
	Exchange student in Industrial Engineering • National Tsinghua University, Hsinchu, TaiWan	2015.09-2016.03
	B.S. in Information Management and System • Northeast Forestry University, Harbin, China	July, 2013
AWARDS	Marie Curie Fellowship , 2020-2023 AITeM Young Researcher Award , Finalist, 2021	
PUBLICATIONS	Lei Liu , Marcello Urgo, A branch-and-bound approach for the two-machine flow shop stochastic scheduling problem with phase-type distributed processing times to minimize the value-at-risk, <i>submitted</i> . Lei Liu , Marcello Urgo, Scheduling Remanufacturing Activities for the Repair of Turbine Blades: An Approximate Branch and Bound Approach to Minimize a Risk Measure. Selected Topics in Manufacturing. Springer, Cham, 2022. 41-59. https://doi.org/10.1007/978-3-030-82627-7_3 • Finalist, AITeM Young Researcher Award 2021	
CONFERENCE TALKS	“A branch-and-bound approach for the two-machine flow shop stochastic scheduling problem to minimize the value-at-risk” • 31st European Conference on Operational Research, Athens, Greece “A Branch and Bound Algorithm for the Robust Parallel Machine Scheduling with Sequence Dependent Set-up Time” • Cross-Strait Tsinghua University Doctoral Forum, Shenzhen, China	2021 2017
TEACHING	Mentor , Smart Manufacturing Lab	2020-2021
OTHER PROFESSIONAL EXPERIENCES	Algorithm Engineer • ZheJiang Transportation Big Data Center, Hangzhou, China Software Engineer • Hundsun Technologies Inc. Hangzhou, China Data Intern • KPMG, ShenZhen, China	2018-2019 2017-2018 2015.01
COMPUTER SKILLS	Languages: C++, Python, Java, Latex Software and tools: Gurobi, Pyomo	

REFERENCES

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