

Morteza DAVARI

Assistant Professor @ SKEMA Business School

Last Update

Oct 2021

Info

Born on 02 Aug 1988
Birjand, Iran

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Languages

Persian (native)
English (fluent)
Dutch (B1)
Arabic (A2)

Experience

2020 - Aug	SKEMA Business School	Lille, France
	Assistant Professor of Operations Research	
2020 - Sep	KU Leuven	Leuven, Belgium
	Visiting Professor of Operations Research	
2019 - 2020 SEP AUG	KU Leuven, Campus Brussels	Brussels, Belgium
	Professor Assistant at Department of Information Management, Modeling and Simulation	
2017 - 2019 DEC AUG	KU Leuven, Campus Brussels	Brussels, Belgium
	Postdoctoral researcher at Research Centre for Operations Management	
2017 - 2017 JAN NOV	KU Leuven, KULAK	Kortrijk, Belgium
	Postdoctoral researcher at Department of Computer Science	

Education

2012 - 2016 OCT DEC	Ph.D. in Operations Research	@ KU Leuven
2011 - 2012 SEP AUG	M.Sc. in Advanced Business Studies	@ KU Leuven
2006 - 2011 SEP MAY	B.Sc. in Industrial Engineering	@ Ferdowsi University of Mashhad

Theses

Jan 2017	PhD thesis	promoter: Erik Demeulemeester
	Contributions to complex project and machine scheduling problems.	
Sep 2012	Master thesis	promoter: Roel Leus
	An exact algorithm for an order acceptance and scheduling problem.	
April 2011	Bachelor thesis	promoter: Mohammad Ranjbar
	Two Branch-and-Bound algorithms for robust scheduling of identical parallel machines.	

Interests

Operations Research
Combinatorial Optimization
Stochastic & Robust Optimization
Scheduling
Complexity Theory
Algorithm design

Research

Articles published in reviewed international journals

- 2021 Peymankar, M., Davari, M. and Ranjbar, M. **Maximizing the expected net present value in a project with uncertain cash flows.** *European Journal of Operational Research*, 294(2):442-452
- 2021 Briskorn, D., Davari, M. and Matuscke, J. **Single machine scheduling with an external resource.** *European Journal of Operational Research*, 293(2):457-468
- 2020 Davari, M., Ranjbar, M., De Causmaecker, P. and Leus, R. **Minimizing makespan on a single-machine with release dates and inventory constraints.** *European Journal of Operational Research*, 286(1):115-128
- 2020 Davari, M., Goossens, D., Beliën, J., Lambers, R. and Speiksmas, F. **The multi-league sports scheduling problem, or how to schedule tens of thousands of matches.** *Operations Research Letters*, 48(2):180-187
- 2019 Davari, M. and Demeulemeester, E. **A novel branch-and-bound algorithm for the chance-constrained resource-constrained project scheduling problem.** *International Journal of Production Research*, 57(4):1265-1282
- 2019 Davari, M. and Demeulemeester, E. **Important classes of reactions for the proactive and reactive resource-constrained project scheduling problem.** *Annals of Operations Research*, 274(1-2):187-210
- 2019 Davari, M. and Demeulemeester, E. **The proactive and reactive resource-constrained project scheduling problem.** *Journal of Scheduling*, 22(2):211-237
- 2016 Davari, M., Demeulemeester, E., Leus, R. and Talla Nobibon, F. **Exact algorithms for a single-machine scheduling problem with time windows and precedence constraints.** *Journal of Scheduling*, 19(3):309-334
- 2014 Abasian, F., Ranjbar, M., Salari, M., Davari, M. and Khatami, M. **Minimizing the total weighted late work in scheduling of identical parallel processors with communication delays.** *Applied Mathematical Modelling*, 38:3975-3986
- 2013 Ranjbar, M. and Davari, M. **An exact method for scheduling of the alternative technologies in R&D projects.** *Computers and Operations Research*, 40:395-405
- 2012 Ranjbar, M., Davari, M. and Leus, R. **Two branch-and-bound algorithms for the robust parallel machine scheduling problem.** *Computers and Operations Research*, 39:1652-1660

Invited talks

- Jan 2020 **University of Wuppertal** Wuppertal, Germany
Scheduling with external resources
- Nov 2018 **University of Liège** Liège, Belgium
Minimizing makespan on a single-machine with release dates and inventory constraints
- Nov 2017 **The Zuse Institute (ZIB)** Berlin, Germany
The proactive and reactive resource-constrained project scheduling problem.
- Nov 2017 **Karlsruhe Institute of Technology (KIT)** Karlsruhe, Germany
The proactive and reactive resource-constrained project scheduling problem.
- Jul 2017 **University of Wuppertal** Wuppertal, Germany
A novel branch-and-bound algorithm to solve chance-constrained problems with finite and discrete support.

Jan 2016 **Ferdowsi University of Mashhad**

Mashhad, Iran

A novel branch-and-bound algorithm to solve chance-constrained resource-constrained project scheduling problem.

Conferences and meetings

A list of all conferences that I have attended can be found here:

<https://www.md6712.com/conferences-and-meetings/>

Teaching

2021 - 2022	Business Economics Calculus B.Sc. course	SKEMA Business School
2020 - 2022	Big Data and Business Intelligence M.Sc. course	SKEMA Business School
2020 - 2022	Applied Optimization [B-KUL-D0S99A] M.Sc. course	KU Leuven
2020 - 2021	Quantitative Research Methods	SKEMA Business School
2018 - 2020	Combinatorial Optimization and Local Search Techniques [B-KUL-D0M60B] Doctoral course	KU Leuven
2018 - 2020	Operational Management [B-KUL-HBA19C] B.Sc. course	KU Leuven
2016 - 2017	Computer Tools (Informaticawerktuigen [X0A22a]) B.Sc. course	KU Leuven