

Mina Hajizadeh

Doctoral Candidate and Junior Research Fellow

Physicum, University of Tartu

W. Ostwaldi1,

50411 Tartu, Estonia

✉ mina.hajizadeh@ut.ee

🌐 https://www.etis.ee/CV/Mina_Hajizadeh/eng/



Birth: Feb 1, 1993 – Iran

Marital status: Engaged, no children

Languages: Azeri & Persian (native language), English & Turkish (fluent)

Employment

2022–present	Junior Research Fellow in Physics University of Tartu, Physicum
2021–present	Research and Teaching Assistant University of Tartu, Physicum
2019–2021	Research Laboratory Assistant in Spectroscopy University of Tehran, Tehran, Iran
2017	Teaching Assistant in Biological Thermodynamics University of Tehran, Tehran, Iran
2015–2016	Apprenticeship in Biochemistry Tests Hospital Laboratory, Rasht, Iran

Education

2021–present	PhD in Physics, University of Tartu, Estonia Dissertation: <i>Structure and dynamics of photoactive proteins studied by (in situ-) neutron scattering methods.</i> Advisors: Prof. Jörg Pieper (University of Tartu), Dr. Maksym Golub (University of Tartu)
2016–2019	M.Sc. in Biophysics, University of Tehran, Iran Thesis: <i>The effects of heat, pH, and Tannic acid on beta-casein protein structure, hydrophobicity and foaming</i> Advisors: Prof. Ali A. Moosavi-Movahedi (University of Tehran)
2011–2015	B.Sc. in Cellular and Molecular Biology, Azarbaijan Shahid Madani University, Tabriz, Iran

Research Interests

Mina is currently working towards a Ph.D. in Experimental Physics at Department of Physics, University of Tartu. Her fields of research interest include: neutron scattering, protein structure and dynamics, MD simulation, and protein extraction and purification.

My list of publications can be found at pages 2–4. My ongoing research include the following topics:

- Contract design in project planning with uncertainty
- Stochastic project scheduling with financial objectives
- Cash flow management in project planning

Teaching

2018–present	Project Management IÉSEG School of Management [± 50 Master students per year]
2015–present	Introduction to Operations Management – Tutorial Sessions IÉSEG School of Management [± 200 Bachelor students per semester]
2015–2019	Supply Chain Management: Sport Obermeyer case KU Leuven [teaching assistant, ± 20 Master students per year]
2011–2012	Discrete-Event Simulation Ferdowsi University of Mashhad [teaching assistant, Bachelor students]

Master Students (Daily Supervision)

2018–2019	Willem Vanderhoydonks, KU Leuven, <i>Crowdsourced delivery</i>
2017–2018	Justine Vermonden, KU Leuven, <i>Drone-assisted parcel delivery</i>

Academic Memberships

2016–present	Belgian Operational Research society (ORBEL) German Operations Research society (GOR)
--------------	--

Academic Services

Peer-reviews	European Journal of Operational Research Springer OR Spectrum INFORMS Transactions on Education
--------------	---

Grants

2017	FWO (Belgian research foundation) grant for conference participation
------	--

Other Relevant Experience

2010–2011	Internship project: Staff scheduling Ferdowsi University of Mashhad
2010–2011	Head of Industrial Engineering student association Ferdowsi University of Mashhad

Publications

Refereed Research Papers

1. Rostami, Salim, Stefan Creemers, and Roel Leus (2019). "Precedence theorems and dynamic programming for the single-machine weighted tardiness problem". *European Journal of Operational Research* 272(1), 43–49. DOI: 10.1016/j.ejor.2018.06.004.
2. Rostami, Salim, Stefan Creemers, Wenchao Wei, and Roel Leus (2019). "Sequential testing of n -out-of- n systems: Precedence theorems and exact approaches". *European Journal of Operational Research* 274(3), 876–885. DOI: 10.1016/j.ejor.2018.10.036.
3. Garaix, Thierry, Salim Rostami, and Xiaolan Xie (2018). "Daily outpatient chemotherapy appointment scheduling with random deferrals". *Flexible Services and Manufacturing Journal*, to appear. DOI: 10.1007%2Fs10696-018-9326-x.
4. Rostami, Salim, Stefan Creemers, and Roel Leus (2018). "New strategies for stochastic resource-constrained project scheduling". *Journal of Scheduling* 21(3), 349–365.

5. Ranjbar, Mohammad, Majid Salari, Nasibeh Movahedfar, and Salim Rostami (2013). "Memetic and scatter search metaheuristic algorithms for a multiobjective fortnightly university course timetabling problem: a case study". *Journal of Industrial and Systems Engineering* 6(4), 249–271.

Theses

1. Rostami, Salim (2013). "New benchmark results for the stochastic resource-constrained project scheduling (SRCPSP)". Supervisor: Prof. Dr. Roel Leus. M.Sc. Thesis. KU Leuven.

Technical Reports

1. Rostami, Salim, Stefan Creemers, Wenchao Wei, and Roel Leus (2018). *Sequential testing of n-out-of-n systems: Precedence theorems and exact approaches*. Tech. rep. KBI_1806. KU Leuven.
2. Rostami, Salim, Stefan Creemers, and Roel Leus (2017). *Precedence theorems and dynamic programming for the single-machine weighted tardiness problem*. Tech. rep. KBI_1715. KU Leuven.
3. Rostami, Salim, Stefan Creemers, and Roel Leus (2016). *New benchmark results for the stochastic resource-constrained project scheduling problem*. Tech. rep. KBI_1602. KU Leuven.

Papers in Conference Proceedings

1. Rostami, Salim, Stefan Creemers, and Roel Leus (2018). "Precedence theorems and dynamic programming solutions for the precedence-constrained single machine weighted tardiness problem". In: *European Conference on Operations Research (EURO)*.
2. Rostami, Salim, Stefan Creemers, and Roel Leus (2018). "Sequential testing of n -out-of- n systems: A comparison of exact approaches". In: *The annual international conference of the German Operations Research Society (GOR)*.
3. Leus, Roel, Salim Rostami, and Stefan Creemers (2017). "Optimal solutions for minimum-cost sequential system testing". In: *Multidisciplinary International Conference on Scheduling: Theory and Applications (MISTA)*.
4. Rostami, Salim, Stefan Creemers, and Roel Leus (2017). "Precedence theorems and dynamic programming solutions for the precedence-constrained single machine weighted tardiness problem". In: *The annual international conference of the German Operations Research Society (GOR)*.
5. Rostami, Salim, Stefan Creemers, and Roel Leus (2017). "Sequential testing of n -out-of- n systems: A comparison of exact approaches". In: *31st annual conference of the Belgian operational research society (ORBEL)*.
6. Garaix, Thierry, Salim Rostami, and Xiaolan Xie (2016). "Daily outpatient chemotherapy appointment scheduling with random deferrals". In: *Le 17^{ème} congrès annuel de la société Française de Recherche Opérationnelle et d'Aide à la Décision (ROADEF)*.
7. Rostami, Salim, Stefan Creemers, and Roel Leus (2016). "A new policy class for the stochastic RCPSP". In: *15th International Conference on Project Management and Scheduling (PMS)*.
8. Leus, Roel, Salim Rostami, and Stefan Creemers (2015). "New benchmark results for the stochastic resource-constrained project scheduling problem". In: *IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)*.
9. Rostami, Salim, Thierry Garaix, and Xiaolan Xie (2015). "Outpatient appointment scheduling for chemotherapy sessions". In: *International Conference on Industrial Engineering and Systems Management (IESM)*.
10. Rostami, Salim, Thierry Garaix, and Xiaolan Xie (2014). "Appointment scheduling for ambulatory chemotherapy". In: *40th annual meeting of the EURO Working Group on Operational Research Applied to Health Services (ORAHs)*.

11. Rostami, Salim and Mohammad Ranjbar (2012). "Fortnightly university course scheduling problem: A case study". In: *5th International Conference of Iranian Operations Research Society*.

Academic References

Roel Leus, PhD
Full Professor
KU Leuven
Naamsestraat 69
3000 Leuven, Belgium
✉ roel.leus@kuleuven.be
☎ +32 (0) 16 32 69 67

Prof. Roel Leus supervised my M.Sc. thesis in 2012 at KU Leuven. He is a coauthor, and has also been my PhD advisor since 2015.

Stefan Creemers, PhD
Full Professor
IÉSEG School of Management
3 rue de la digue
59000 Lille, France
✉ s.creemers@ieseg.fr
☎ +32 (0) 497 88 77 92

Prof. Stefan Creemers has been my supervisor at IÉSEG, and my PhD advisor at KU Leuven since 2015. He is also a coauthor.

Frits Spijksma, PhD
Full Professor
Eindhoven University of Technology
5600 MB Eindhoven, The Netherlands
✉ f.c.r.spijksma@tue.nl
☎ +31 (0) 40 247 5694

During my Master studies, I took Prof. Frits Spijksma's course on "Optimization: Special topics". He is currently an external member of my PhD examination committee.