

# Salim Rostami

Assistant Professor of Operations Management

IESEG School of Management

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## Employment

2019–present	Assistant Professor of Operations Management IESEG School of Management, Department of Management
2015–2019	Teaching and Research Assistant IESEG School of Management, Department of Management
2013–2015	Research Assistant École des Mines de Saint-Étienne, Department of Healthcare Engineering

## Education

2015–2019	PhD in Operations Research, KU Leuven Dissertation: <i>New models and algorithms for planning and scheduling under uncertainty with financial objectives.</i>
2012–2013	M.Sc. in Advanced Business Studies (magna cum laude), KU Leuven Area of specialization: Operations Research Thesis: <i>New benchmark results for the stochastic resource-constrained project scheduling (SRCPSP)</i>
2007–2012	B.Sc. in Industrial Engineering (cum laude), Ferdowsi University of Mashhad Project: <i>University course scheduling (timetabling)</i>

## Research Interests

My research interests lie in operations research and operations management; in particular: sequencing and scheduling, project management and planning, combinatorial optimization, and decision making under uncertainty. My list of publications can be found at pages 2–3. 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 IESEG School of Management [ $\pm 50$ Master students per year ]
2015–present	Introduction to Operations Management – Tutorial Sessions IESEG School of Management [ $\pm 200$ Bachelor students per semester ]
2015–2019	Supply Chain Management: Sport Obermeyer case KU Leuven [ teaching assistant, $\pm 20$ Master students per year ]
2011–2012	Discrete-Event Simulation Ferdowsi University of Mashhad [ teaching assistant, Bachelor students ]

## Honors and Awards

2016	Second best paper award International conference on Project Management and Scheduling (PMS) Valencia, Spain
2013	Highest cumulative GPA in Advanced Business Studies M.Sc. program KU Leuven, Faculty of Economics and Business
2011	Outstanding Bachelor student in research category Ferdowsi University of Mashhad, Faculty of Industrial Engineering

## 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)
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## Academic Services

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

2017	FWO (Belgian research foundation) grant for conference participation
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## 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<sup>ème</sup> 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*.