



Call for Papers

Special Issue on *Optimization for Management Science* ICSP2019 conference

Computational Management Science
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The XV International meeting on Stochastic Programming – [ICSP2019](#) took place in Trondheim (NO) from July 29 to August 2, 2019. The conference brings together researchers who work on decisions under uncertainty. For the purposes of this special issue, the conference also comprises computational aspects of optimization under uncertainty for all functional areas of business, including transportation and operations. This special issue will be edited by Stein-Erik Fleten, Francesca Maggioni, and David Wozabal and is devoted to outstanding contributions from the conference program.

Both theoretical and applied contributions based on computationally oriented analysis are welcome. Examples of topics include, but are not limited to:

- Algorithms and decomposition methods,
- Applications to e.g. transportation,
- Data-driven and/or robust optimization,
- Discrete optimization under uncertainty,
- Dynamic programming,
- Statistics and machine learning,
- Forecasting and scenario generation,
- PDE-constrained optimization,
- Risk averse stochastic optimization, and
- Stochastic nonlinear and equilibrium models.

The above topics are rooted in modern approaches of operations research, economics, mathematical programming, applied probability, decision theory, and computer science. The special issue also seeks multidisciplinary and innovative applications or theoretical developments in this area.

There are separate special issues focusing on energy applications (Journal: Energy Systems, guest edited by Asgeir Tomasgard, Ramteen Sioshansi and Steven Gabriel) and finance (Journal: Quantitative Finance, guest edited by Georgio Consigli, Milos Kopa and Alois Pichler).

Tentative timeline

ICSP2019 conference: July 29-August 2, 2019

Call for Papers: at ICSP2019 and in agreement with the Journal

Firm submission deadline: December 31, 2019
Reviewing process, first decisions by: June 30, 2020
Final revisions by: March 31, 2021
Special Issue completion: June 30, 2021 (if not before)

Submission rules

Submitted papers should fit into the general scope of Computational Management Science and will be reviewed according to the standards of the journal. Due to page limits of the volume, we are requesting that all papers be submitted using Springer style files, and conform to a maximum of 25 pages. The reviewing process will be handled by the guest editors using the journal editorial system. Contributions are welcome for research presented at the ICSP2019 conference.

In the submission system please choose "S.I.: ICSP 2019 conference" under additional information after indicating that the submission belongs to a special issue.

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