



## Operations research techniques for complex systems scheduling

Proposed by:

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As part of the MIM 2019 conference in Berlin during August 28th-30th, 2019, we are organizing a special session on the optimization of the energy-oriented manufacturing systems. We have the pleasure to invite you to participate in it.

### Short presentation:

This special session deals with optimization challenges of modern logistics and production systems. Original studies based on the intelligent computing for modeling and optimizing different scheduling problems may be proposed. This session aims also to present recent developments on Operations Research techniques and other applications of intelligent computing skills (heuristics and metaheuristics) for the optimization of different services, production and logistics systems.

The topics of interest include, but are not limited to:

- Heuristic and metaheuristic algorithms for scheduling problems
- Exact algorithms (Brand and Bounds, Dynamic programming ...)
- Different scheduling applications (timetabling, network routing, personnel scheduling, production scheduling, resource-constrained project scheduling, etc.)
  
- Energy-efficient scheduling problems
- Single and multi-objective scheduling
- Other related topics



Keywords: scheduling problems, optimization methods, operations research, heuristics and metaheuristic methods.

### Submission guidelines

For author guidelines, please refer to <https://blog.hwr-berlin.de/mim2019/submission/>. All papers must be submitted via the IFAC Papercept platform at the following address: <http://ifac.papercept.net/conferences/scripts/start.pl>. All papers must be prepared in a two-column format in accordance with the IFAC manuscript style. Please use the official IFAC instructions and template to prepare your contribution as full-length draft paper and submit it on line by **December 15<sup>th</sup>, 2018**.

Submission details are available on the symposium website. All submissions must be written in English. All papers that conform to submission guidelines will be peer-reviewed by IPC members. The corresponding author submits the paper online (pdf format) as an invited session paper. Submission as an invited paper requires the invited session code.

### Important dates

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15 December 2018  
Paper submission deadline

20 February 2019  
Notification to authors

15 March 2019  
Final paper submission deadline