

**Open Invited Track on  
'Planning and Scheduling of Manufacturing Processes'  
for IFAC MIM 2019**

**Open Invited Track identification code: 6j2r5**

*9th IFAC Conference on Manufacturing Modeling, Management, and Control (MIM 2019)*

28 - 30 August 2019, Berlin, Germany

<https://blog.hwr-berlin.de/mim2019/>

<https://ifac.papercet.net/>

**Track chairs:**

Prof. Frank Werner, Otto-von-Guericke-University, Magdeburg, Germany

Prof. Olga Battaia, University of Toulouse Midi - Pyrenees, France

Prof. Alexander Lazarev, Russian Academy of Sciences, Moscow, Russia

The track tries to give the state-of-the-art of scheduling research that satisfies practical needs of modern manufacturing and resource planning. Interdisciplinary methodologies may be presented, based on advanced scheduling and combinatorial optimization techniques, in order to provide efficient solution procedures for practical scheduling problems with a particular focus on the industry 4.0.

This track intends to bring together experts to exchange developments of new innovative models and solution techniques used for planning and scheduling in manufacturing. The track encourages high-quality submissions both from practitioners presenting real case studies and from the scheduling community that deals with modern manufacturing systems.

**Track topics:**

The track is devoted to a broad spectrum of planning and scheduling problems appearing in manufacturing systems. It includes (but is not limited to) single- and multi-stage scheduling problems with additional constraints such as batching, setup times, further technological constraints either with a single or multiple (regular or nonregular) criteria, planning and scheduling approaches for segments of a supply chain, and project planning and scheduling. To name a few particular subjects, submissions dealing with complex scheduling problems, scheduling under uncertainty, scheduling under resource constraints, assembly scheduling, real-time scheduling, just-in-time scheduling, scheduling of energy management, practical vehicle routing problems, and others are welcome. We encourage submissions presenting new types of heuristic/metaheuristic or approximative algorithms which are able to solve practical scheduling problems efficiently.

**Submission:**

For author guidelines, please refer to [www.ifac-control.org](http://www.ifac-control.org). All papers must be submitted electronically using the Symposium Manuscript Management System (CMMS). All papers must be prepared in a 2-column style 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 online by October 31, 2018. Submission details are available on the symposium website. All submissions must be written in English. All papers that conform to the submission guideline will be peer-reviewed by IPC members. The corresponding author submits the paper online (pdf format) as **open invited track paper**. Submission as an invited paper requires the **open invited track code 6j2r5**. Several international journals listed in Web of Science are associated with MIM 2019 for the publication of special issues.

**Important dates:**

Deadline for submissions: December 15, 2018

Notification of acceptance: February 20, 2019

Submission of final draft: March 15, 2019

Expiration of Early Registration: March 31, 2019