



Modeling and optimization Methods for energy-efficient manufacturing systems

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:

World energy consumption has continued increasing in recent years. As a major consumer, industrial activities uses an important part of the energy over the last few decades.

Energy efficiency can be used as a metric for the comparison and the evaluation of different manufacturing configurations; it becomes a driver for manufacturing industry performance. Due to these challenges, industrial companies are challenging to rethink their energy policy. They have to be energy-efficient to minimize their energy demand but they also have to synchronize their energy consumption with the available energy supply.



In this proposed session, we invite contributions in both theoretical and applications developments of optimization techniques and operations research in the area of energy. The topics of interest for this invited session include, but are not limited to:

- Manufacturing systems modeling for energy management
- Optimization Methods for energy-efficient production systems
- Energy-aware production planning and control
- Energy Supply Chain
- Energy mix in manufacturing systems
- Multi-criteria decision making in energy context

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 15th, 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

15 December 2018
Paper submission deadline

20 February 2019
Notification to authors

15 March 2019
Final paper submission deadline