

CALL FOR PAPERS

Special Issue of

Computers & Operations Research

Special Issue Editors:

Alexander A. Lazarev, Institute of Control Sciences, Moscow, Russia

Vincent T'Kindt, University of Tours, Tours, France

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

This special issue intends to give the state-of-the-art of scheduling research that satisfies practical needs of modern manufacturing and resource planning. Interdisciplinary methodologies may be given, based on advanced scheduling and combinatorial optimization techniques, in order to provide efficient solution procedures for practical scheduling problems. The aim of this issue is to attract high-quality papers representing the most recent developments of models and solution techniques used for scheduling in manufacturing systems which include parallel as well as multi-stage facilities, coordinating scheduling with transportation decisions, and scheduling in segments of a supply chain. Submitted papers have to comply with the philosophy of the journal: they have to contain a substantial computational evaluation and interesting algorithmic aspects. Potential topics include but are not limited to:

- grouping and sequencing operations in multi-stage systems
- scheduling in flexible shops
- scheduling with precedence constraints, batching, setups and further technological constraints either with a single (regular or non-regular) and multi-criteria objectives
- scheduling heuristics
- robust scheduling
- robotic cells
- scheduling in parallel computing and grids
- scheduling in segments of a supply chain

Refereeing process:

Authors should submit their paper via EES <http://www.ees.elsevier.com/cor> and select "Special Issue: Scheduling in Manufacturing Systems" when asked to indicate the "Article Type" in the submission process. It is recommended that a paper does not exceed 20 pages.

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Refereeing and the selection of papers will be carried out according to the standards of *Computers & Operations Research*.

Important Dates:

Deadline for submissions: October 31, 2009.

Notification of acceptance: September 1, 2010.

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