Call for papers

Invited Session
Scheduling and transportation systems
June 19-21, 2013, Saint Petersburg, Russia
http://mim2013.org

Session chairs:

- Prof. **Alexander A. Lazarev**, Institute of Control Sciences, Moscow, Russia

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

Session topics:
The session includes (but is not limited to) hybrid systems, grouping and sequencing operations in multi-stage systems, scheduling with precedence constraints, batching, setups and further technological constraints either with a single (regular or non-regular) and multi-criteria objectives, scheduling heuristics, robotic cells, scheduling in parallel computing and grids, scheduling for segments of a supply chain, scheduling in transport, railway problems, traffic and communication networks, traffic control systems, traffic theory, modelling, and simulation.

Session description:
The session tries to give the state-of-the-art of scheduling research that satisfies practical needs of modern transportation systems. Interdisciplinary methodologies may be presented, based on advanced scheduling and combinatorial optimization techniques, in order to provide efficient solution procedures for practical scheduling problems. This session intends to bring together experts to exchange recent developments of models and solution techniques used for scheduling and transportation problems which include parallel as well as multi-stage facilities, coordinating scheduling with transportation decisions.
The session encourages submissions both from practitioners presenting real case studies and from the scheduling community that deals with modern transportation systems.

Important dates:
Deadline for submissions: **November 1, 2012**
Notification of acceptance: **February 1, 2012**
Submission of final draft: **April 15, 2012**

Submission:

For author guidelines, please refer to www.ifac-control.org. All papers must be submitted electronically using Symposium Manuscript Management System. 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. 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 as a special session paper. Submission as an invited paper requires the invited **session code**.

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