

UNIVERSITY OF TECHNOLOGY OF TROYES, **FRANCE**
JUNE 28 | 30 **2016**



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MIM 2016

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8th IFAC Conference on Manufacturing Modelling, Management & Control



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IMPORTANT DATES

Special/invited sessions proposals: **September 1, 2015**

Draft papers submission deadline: **October 1, 2015**

Notification of acceptance: **February 1, 2016**

Registration: **March 31, 2016**

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The general theme of the 8th IFAC Conference on Manufacturing Modelling, Management and Control is "Optimization and Systems Science for Risk Management and Disruption Recovery Control". The conference will focus in particular on the most innovative methods proposed in the last few years in the context risk management, resilience, and disaster recovery control in the 21st century. Also other subjects will be considered, e.g. human and organization research, optimizations with specific society constraints, and new technologies impact on decision tools. The technical topics include, but are not limited to:

- ▶ Design and reconfiguration of manufacturing systems
- ▶ Facility planning and materials handling
- ▶ Inventory control, production planning and scheduling
- ▶ Pricing and outsourcing
- ▶ Supply chains and networks
- ▶ Enterprise modelling, integration and networking
- ▶ Information management for the Net-enterprise
- ▶ Modeling, simulation, control and monitoring of manufacturing processes
- ▶ Robotics in manufacturing
- ▶ Smart manufacturing systems
- ▶ Smart transportation
- ▶ Service oriented architecture for production management and control
- ▶ Knowledge management in production
- ▶ Fostering innovation in manufacturing
- ▶ Monitoring, diagnosis and maintenance of manufacturing systems
- ▶ Complex adaptive systems and emergent synthesis in manufacturing
- ▶ Web-enabled manufacturing control and wireless automation
- ▶ Design for reusability
- ▶ Maintainability, reliability, safety and dependability of production systems
- ▶ Quality management
- ▶ Virtual reality
- ▶ Sensor networks, wireless communication in manufacturing
- ▶ Distributed systems and multi-agents technologies
- ▶ Discrete event systems in manufacturing
- ▶ Simulation technologies
- ▶ Operations Research
- ▶ Probabilistic & statistical models in industrial plant control
- ▶ Industrial and applied mathematics for production
- ▶ Sensor network optimization



The program of MIM 2016 will consist of several kinds of presentations, including regular and invited sessions, special industrial sessions, workshops and tutorials.

Regular papers: Authors are invited to submit draft papers (6 pages) reporting original research of theoretical or applied nature. Complete manuscripts must be electronically submitted through the PaperCept System: <https://ifac.papercept.net/conferences/scripts/start.pl#MIM16>. Guidelines for the preparation of manuscripts are provided on the IFAC website:

<http://www.ifac-control.org/events/information-for-ifac-authors/instructions-for-authors> .

Invited sessions: Invited sessions consist of 5 - 6 papers focusing on targeted subjects and presenting a unifying theme. Proposals must describe the relevance of the session and be accompanied by full versions of each paper.

Special sessions: Special sessions offer a venue for the presentation of topics of special academic, social or industrial interest, such as emerging research areas or most recent trends in manufacturing engineering. Companies or researchers interested in holding special sessions, workshops or exhibits are invited to contact the conference secretariat (mim2016@utt.fr)

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