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### 9<sup>th</sup> IFAC Conference

on Manufacturing Modeling, Management, and Control

#### MIM 2019 - Call for Papers

28/29/30 August 2019 Berlin, Germany

## Key dates

15 December 2018 Paper submission deadline December 2018 Registration opens 20 February 2019 Notification to authors

Final paper submission deadline 31 March 2019 Early registration rates expire 28/29/30 August 2019
IFAC MIM 2019 Conference in Berlin

The central theme of the 9th IFAC Conference on Manufacturing Modelling, Management and Control MIM 2019 will be

# Digital, Resilient and Sustainable Manufacturing 4.0

Digitalization, resilience, and sustainability shape current and future trends in manufacturing modelling, management, and control. The aim of MIM 2019 is to bring together researchers and practitioners in industrial engineering. manufacturing systems, operations research, supply chain management, and business informatics to present and discuss emerging topics in modern manufacturing modeling, management, and control. MIM'2019 will follow a rich tradition of previous IFAC conferences and symposia in Manufacturing and Logistics held in Germany. MIM'2019 will focus in particular on the most innovative methods proposed in the last few years in the context of digitalization, risk management, and resilience in

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The conference will cover all topics related to design, implementation and operation of modern manufacturing systems in digitalization era, including (but not limited to) the following:

- Analytics, optimization and machine learning in manufacturing and supply chains
- Digital supply chain
- Data-driven applications in manufacturing
- Design and reconfiguration of manufacturing systems
- Facility planning and materials handling
- Industry 4.0
- Digital manufacturing networks and smart operations
- Artificial intelligence applications to manufacturing
- Inventory control, production planning and scheduling
- Risk management, resilience and flexibility
- Logistics, supply chains and networks
- Supply network dynamics and control
- Control theory applications to production systems and supply
- Operations and supply chain simulation
- Sustainable manufacturing
- Business analytics for manufacturing systems
- Market responsive supply chains
- Enterprise modelling, integration and networking
- Information, systems, control and interoperability
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- Intelligent transportation
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- Simulation technologies
- Operations research
- Probabilistic models in industrial plant control
- Industrial and applied mathematics for production

# Call for Invited sessions

and tracks: Invited sessions consist of 5-6 papers of the regular format focusing on targeted subjects and presenting a unifying theme. Invited session organizers should submit an abstract that summarizes the aim and the content of the invited session. A code will be assigned to such a session. The invited author should submit their papers by using this code. If at least 5 papers are accepted, the session is included in the conference program as an invited session. If an invited session is not accepted. accepted papers submitted to this session will be included in regular sessions. Invited sessions, grouped together in a track must be submitted independently. The track chairs are asked to contact the organizers prior to session proposal submissions.

### Call for Contributed Papers Authors may submit a

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