



# CALL FOR PAPERS

## INVITED SESSION

### *"ADVANCED INDUSTRIAL ENGINEERING"*

**Invited session identification code **j5ts6****

MIM 2013: IFAC Conference on Manufacturing Modelling, Management, and Control

June 19-21 2013, St. Petersburg, Russia

<http://mim2013.org/>

<https://ifac.papercept.net/>

#### **Session chair:**

Prof. Dr. Wilfried Sihn

Vienna University of Technology, Fraunhofer Austria Research GmbH, Austria

#### **Short description of the session:**

The actual trend in the field of Industrial Engineering discloses the need for getting back to the roots of Industrial Engineering (IE). On the one hand the roots are managing, using and developing methodologies, and on the other hand managing production systems and work systems. Recent research and corporate activities indicate a great need for building up (again) Industrial Engineering know-how to increase productivity. Otherwise, industrial firms cannot compete at global markets.

Advanced Industrial Engineering can be considered as a renaissance of "former" know-how adapted and developed by the requirements of the actual situation in industrial production. The actual situation is effected by mega-trends, and companies from all branches have to deal with them.

This session is related to latest research in the field of Industrial Engineering, where scientists can present their approaches and perceptions to have an impact of industrial production to be competitive in future. High quality papers reporting on relevant reviews of existing literature, theoretical studies, case studies, interdisciplinary research are all very welcome.

**Keywords:** Computer and Information Systems, Design Methods, Engineering Education, Ergonomics, Lean Systems, Manufacturing and Design, Methodology, Modeling and Simulation, Production Planning and Scheduling, Production Systems, Standardization, Technology, Work Systems and Measurement

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For author guidelines, please refer to: <http://mim2013.org/>