

540 participants from 51 countries at 8th IFAC MIM conference

IFAC MIM 2016
June 28-30, Troyes, France

The 8th edition of IFAC MIM conference was organized by the University of Technology of Troyes (UTT). This is the triennial conference of the IFAC technical committee (TC) 5.2 on Manufacturing Modeling for Management and Control. The TC is composed of 91 members and organized in 5 working groups: Supply Network Engineering; Advanced Multi-criteria Applications in Manufacturing and Logistics; Design and Modeling of Flexible and Reconfigurable Manufacturing Systems; Advances in Integrated Maintenance Management; Risk, Analytics and Operations.

The MIM2016 conference was also sponsored by eight other Technical Committees of IFAC:

- TC 1.3 Discrete Event and Hybrid Systems
- TC 3.2 Computational Intelligence In Control
- TC 4.3 Robotics
- TC 5.1 Manufacturing Plant Control
- TC 5.3 Enterprise integration and Networking
- TC 5.4 Large Scale Complex Systems
- TC 7.4 Transportation Systems
- TC 9.1 Economic, Business and Financial Systems

The conference IFAC MIM2016 was co-sponsored by IEEE-France, IIE, IFORS, IFIP, INFORMS, SCS and also supported in France by ROADEF, CNRS GdR RO, and CNRS GdR MACS.

The city of Troyes is the capital of the Aube department, situated in the new *Grand Est* region of France. The UTT is a French institution of higher education established in 1994. The UTT' core missions are to conduct research, deliver education & training and facilitate technology transfer. It is today one of the largest engineering schools in France. Over 2,500 students are registered at the UTT, enrolled on undergraduate, postgraduate and doctoral study programs.

The Laboratory of Industrial Systems Optimization (LOSI), member of Charles Delaunay Institute (UMR CNRS 6281), was the key structure in the organization of this major international event in Manufacturing and Logistics. The LOSI Lab, directed by Prof. F. YALAOUI since 2012, is composed of 36 members including 13 Faculty Members as well as 1 PostDoc, 2 Engineers and 20 Ph.D. Students. Research activities of laboratory are on production and logistics systems, from design to operational management. Organizing the MIM2016 conference was an honor for the LOSI and was considered by the laboratory members as a validation of laboratory visibility and scientific influence in the World.

The national organization committee was led by Dr. A. YALAOUI (Chair), and the participation of Prof. J. ZAYTOON (IFAC French NMO), as well as Dr. M. AFSAR, Prof. L. AMODEO, Dr. F. DUGARDIN, Prof. C. PRINS and all other LOSI members: Dr. T. ARBAOUI, Dr. M. GODICHAUD, Dr. F. HNAIEN, Dr. N. LABADIE, Dr. Y. OUAZENE, and Dr. C. PRODHON (Award paper committee Chair).

The steering committee of MIM'2016 is composed of: Prof. A. DOLGUI (chair), Prof. N. BAKHTADZE, Prof. O. GUSIKHIN, Prof. V. MINZU, Prof. L. MONOSTORI, Prof. P. FLEMING, Prof. S. Y. NOF and Prof. A. VILLA.

The program committee led by Prof. R. W. GRUBBSTROM and its vice-chairs: Prof. C. KAHRAMAN, Prof. S. M. MEERKOV and Prof. R. KELLY (Vice-chair from Industry), as well as the editors: A. DOLGUI, D. IVANOV and F. YALAOUI have received 514 submissions papers from 52 countries (France (187), Italy (49), Russia (41), USA (31), Canada (25), China (22), Germany (20), Algeria (14), Turkey (13), Brazil (9), ...)

Finally, after a serious peer review process 333 (selection rate of 64%) articles have been selected for presentation at the conference. We would like to emphasize the outstanding program of MIM 2016 with 6 tracks, 76 invited or regular sessions, 2 industrial sessions, 2 poster sessions, several exhibitors and 4 tutorials as well as the exciting plenary talks proposed by:

- Prof. Dr.-Ing. W. BAUER, Director, Fraunhofer Institute for Industrial Engineering IAO, Institute for Human Factors and Technology Management (IAT) at University of Stuttgart (Germany), Executive director of Fraunhofer Italia Research s.c.a.r.l.: "*Industry 4.0 – an Economy based on the Internet of Things*"
- Prof. M. GENDREAU, Professor of Operations Research at the Department of Applied Mathematics and Industrial Engineering of École Polytechnique de Montréal (Canada): "*Transportation, Logistics, and the Environment*"
- Prof. S. B. GERSHWIN, Senior Research Scientist at the MIT Department of Mechanical Engineering (USA): "*Engineering and the Design and Operation of Manufacturing Systems*"
- Prof. K. E. STECKE, School of Management at University of Texas at Dallas as the Ashbel Smith Professor of Operations Management (USA): "*Seru Production System: An Organizational Extension of JIT*"
- Prof. X. XIE, distinguished professor of industrial engineering, the head of the department of Healthcare Engineering of the Center for Health Engineering and the head of IEOR team of CNRS UMR 6158 LIMOS, Ecole Nationale Supérieure des Mines (ENSMSE), Saint Etienne, (France), chair professor and director of the Center for healthcare engineering at the Shanghai Jiao Tong University, (China): "*Daily Surgery Scheduling and End-of-the-day Guarantee*".

All of these exceptional contributions had a great success with 540 registered people.

We really would like to thank the sponsors, for many years concerning some of them: the General Council of Aube, the city of Troyes, as well as scientific ones: IFAC, IEEE France, IFORS, IIE, IFIP, INFORMS, SCS, CNRS, GdR MACS, GdR RO, SEE, ROADEF, and last, but not least, the main sponsors of this event: Champagne Ardennes Region, NORELEM, and Troyes Hospital Center.

Finally, we want to thank Pierre Koch, UTT President, for his unconditional support to organizers of the MIM2016 conference.

IFAC MIM 2016 was a very fruitful conference with successful interactions, in the nice city of Troyes with its middle-ages houses, its numerous churches and its champagne wine.

Prof. Farouk Yalaoui
General Chair

Prof. Alexandre Dolgui
Steering committee Chair

Dr. Alice Yalaoui
NOC Chair

