

2nd Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing and Robotics

Bucharest, May 23-24, 2012

Call for papers

Scientific Committee

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Venue:

Hilton Conference Centre of Bucharest
1-3 Episcopiei St., District 1, Bucharest

Scientific partners:

Nancy-Université
Université
Henri Poincaré



Université
de Valenciennes
et du Hainaut-Cambresis



Registration Fees

Full registration: 400 € (early)/ 450 € (late)
Students: 200 € (early)/ 250 € (late)

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It is our pleasure to invite you to participate in the 2nd ERRIC Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing and Robotics, organized by the University Politehnica of Bucharest, the Faculty of Automatic Control and Computer Science in collaboration with the French research network GDR MACS.

The theme of the Workshop is "Intelligent Information Technologies for service-oriented, sustainable manufacturing and robotics".

The Workshop is organized in the framework of the European FP7 Project ERRIC, the objective of which is to foster innovation in control of sustainable manufacturing and in this context to empower excellence in research in the faculty of Automatic Control and Computer Science of the University Politehnica of Bucharest thus enhancing its national and regional leadership position in selected areas of Intelligent Information Technologies applied to manufacturing and robotics.

Workshop Topics

- Intelligent Manufacturing Systems Control
- Web Services and Wireless Automation for Manufacturing
- Product Driven Automation for Manufacturing
- Supply Chain and Logistics
- Resource Allocation, Production Planning and Scheduling
- Monitoring, Diagnosis and Maintenance of Manufacturing Systems
- Service Oriented Architectures in Manufacturing
- Distributed and Multi-Agent Systems for Manufacturing
- Discrete Event Systems in Manufacturing
- Bio-Inspired Theories for Holonic Manufacturing and Evolutionary Robotics
- Dynamic and Green Infrastructure for Sustainable Manufacturing
- Operational Research Applications in CAD/CAM/CAE
- Service Orientation of Robots
- Swarm Intelligence in Robotics and Manufacturing
- Natural-like Human-Robot Interaction

Paper submission and proceedings

All SOHOMA papers must be submitted electronically using the IFAC Conference Manuscript Management System (fac.papercept.net). 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 and submit it on line by November 18, 2011. Submission details are given on the workshop website.

All submissions must be written in English. The copyrights (in electronic form) of all papers are transferred to IFAC when the submission of the camera ready form of accepted papers is completed. All accepted papers presented in SOHOMA Special Sessions will be published in the IFAC post-conference proceedings INCOM'12. Selected and presented papers in SOHOMA Sessions will be published post-event in IFAC journals and Springer Special issue.

Author's Schedule

Full paper submission: December 12, 2011
Notification of acceptance: January 31, 2012
Final paper submission: February 24, 2012