4th Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing

CRAN
CIMR

Nancy, November 5-6, 2014

(Workshop held in conjunction with the International Conference MOSIM'14)

Thermique Ecoulement Mécanique Matériaux Mise en Forme PrOduction — EMPo EA 4542

Call for papers

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Chair: André Thomas (FR)

LC members:

Iulia Voinescu (RO)   Patrick Charpentier (FR)
Silviu Răileanu (RO)   Hind Bril El Haouzi (FR)

Venue:

Conference Centre
Palais des Congrès de Nancy Centre Prouvé

Scientific partners:

GdR MACS Work Group IMS²
SOL FER NOCTEM
SRAIT

Registration Fees*

	Before 31.09.2014	After 1.10.2014
Ph.D. Students:	275 €	375 €
Professors/Research:	375 €	475 €
Industry:	550 €	600 €

*Gala Dinner - 75 € (not included in the fee)

Contact:

Hind Bril El Haouzi (FR)   Iulia Voinescu (RO)

Tel: +33/ (0)3 29 29 61 09   Tel: +40/ (0)21 402 93 14
Fax: +33/ (0)3 29 29 61 38   Fax: +40/ (0)21 317 09 12

E-mail: sohoma14@cimr.pub.ro

www.sohoma14.cimr.pub.ro

It is our pleasure to invite you to participate in the SOHOMA'14 Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing, organized by the University of Lorraine in collaboration with University Politehnica of Bucharest and University of Valenciennes and Hainaut-Cambrésis.

The theme of the SOHOMA'14 Workshop is "Intelligent Information Technologies for sustainable, service-oriented manufacturing value chain".

The scope of the SOHOMA'14 Workshop is to shed light on multiple issues related to Digital Manufacturing and Supply Chains in the global Manufacturing Value Chain, from Multi-agent and Holonic Manufacturing Execution Systems with Distributed Intelligence increasing efficiency in design and production with further improvements in product quality, to Service Orientation, resource virtualization and Big Data Analytics for enterprise agility, sustainability and better meeting customer needs.

Workshop Topics

- Intelligent Manufacturing Systems
- Holonic Manufacturing Execution Systems
- Intelligent Product in Supply Chains and Manufacturing
- Web Services and Wireless Automation for Manufacturing
- Swarm Intelligence in Robotics and Manufacturing
- Industrial Internet and Digital Manufacturing
- Distributed Intelligence and Product Driven Automation
- Service Robots and Natural-like Human-Robot Interaction
- Service Oriented Enterprise Architectures
- Distributed and Multi-Agent Systems for Manufacturing
- Modelling of Discrete Event Systems in Manufacturing
- Bio-Inspired Theories for Smart Manufacturing and Evolutionary Robotics
- Dynamic and Green Infrastructure for Sustainable Manufacturing
- Operational Research Applications in CAD/CAM/CAE
- Monitoring, Diagnosis and Maintenance in Manufacturing Systems
- Advanced Production Planning and Scheduling
- Supply Chains and Virtual Factory
- Multi-robot Systems in manufacturing
- Manufacturing Integration Framework and MSB 2.0
- Cloud Manufacturing
- Servitization and Product-Service Extensions

Paper submission and publication

SOHOMA'14 papers must be submitted in pdf format, via the "**Submission**" menu of the SOHOMA'14 website. The material submitted for presentation at the workshop must be original, not published or being considered elsewhere. The working language is English. The papers are limited to 8 pages formatted in the Springer Book format for "Studies in Computational Intelligence" according to the instructions given at http://www.springer .com/series/8393.

Papers can be submitted individually for any of the above topics or for the Special Sessions defined for this Workshop.

All papers accepted for presentation will be published in a Preprints Volume and will be distributed to the participants at the Workshop time.

All papers duly presented at the Workshop will be included in the SOHOMA'14 post conference Proceedings publication in special issues of: Springer series "Studies in Computational Intelligence", Journal of Intelligent Manufacturing (Springer) and Computers in Industry (Elsevier).

Author's Schedule

Special Sessions proposal: March 20, 2014
Full paper submission: June 10, 2014
Notification of acceptance: July 15, 2014
Final paper submission: **September 8, 2014**