



6th Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing

Lisbon, October 6-7, 2016

Call for Papers



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Scientific Partners:



Registration Fees:

	Before 31/8	After 1/9
PhD. Students	200,00 €	300,00 €
Normal	350,00 €	450,00 €

Contact:

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Scope:

It is our pleasure to invite you to participate in the 6th International Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing (SOHOMA'16) will be held in Lisbon, Portugal, from 6-7 October 2016. SOHOMA'16 is organized by the New University of Lisbon in collaboration with University Politehnica of Bucharest (the CIMR Research Centre in Computer Integrated Manufacturing and Robotics), University of Valenciennes and Hainaut-Cambrésis (the LAMIH Laboratory of Industrial and Human Automation control, Mechanical engineering and Computer Science) and University of Lorraine (the CRAN Research Centre in Automation of Nancy).

The purpose of the SOHOMA'16 international workshop, which is the sixth one in the series of SOHOMA scientific events, is to shed light on the multiple issues above, associated with safe, smart and sustainable products, processes and industrial systems, distribution of intelligence in enterprise management and production control, and integration of business and technical processes in the manufacturing value chain through agent orientation, virtualization and service-oriented technologies. The theme of the SOHOMA'16 Workshop is "Distributed, agent-based intelligent control in service-oriented architectures for the digital transformation of manufacturing".

Workshop topics:

- Customer-oriented logistics
- Intelligent Manufacturing Systems
- Modelling of discrete event systems in manufacturing
- Multi-Agent Systems in industry
- Distributed Intelligence and product driven automation
- Holonic Manufacturing Execution Systems
- Intelligent Products: concepts, architecture, implementation, use cases
- Internet of Things / Physical Internet
- Swarm intelligence in manufacturing
- Industrial Internet and digital manufacturing
- Dynamic and green infrastructure for sustainable manufacturing
- Operational research applications in CAD/CAM/CAE
- Predictive maintenance and risk management in manufacturing
- Mixed production planning and scheduling
- Predictive resource maintenance
- Virtual factory, supply chains and logistics
- Manufacturing Integration Framework
- Cloud Manufacturing and resource virtualization
- Computing and Service Oriented manufacturing
- Servitization and Product-Service Systems (PSS)
- Multi-robot systems in manufacturing
- Bio-inspired theories for smart manufacturing and evolutionary robotics
- Big Data and the contextual enterprise
- Cyber-Physical Manufacturing Systems and Industry 4.0

Paper Submission:

You are kindly invited to submit original, previously unpublished works within the scope of SOHOMA'16. Papers must be submitted in pdf format, via the "Submission" menu of the SOHOMA'16 website or any other page of the website by accessing the "Submit your Paper" link on the right side. 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/7092>.

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

All papers duly presented at the Workshop will be included in the SOHOMA'16 post conference Proceedings publication in Springer series "Studies in Computational Intelligence". Selected papers will be proposed for publication in journals.

Author Schedule:

Proposals of Special Sessions: April 30
Full paper submission: June 20
Notification of acceptance: July 15
Final, camera-ready paper submission: August 12
Early registration and fee payment: August 31