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Venue:

IUT de Nantes, Carquefou, FR

Scientific Partners



Work Group IMS²

Registration fees:

Before 15/9/2017 After 15/9/2017

Ph.D. students:	200€	300€
Regular:	350€	450€

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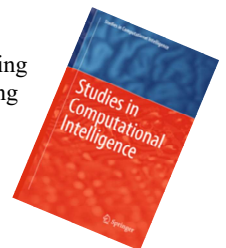
Website: sohoma17.sciencesconf.org

It is our pleasure to invite you to participate to the 7th International Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing (SOHOMA'17) will be held in Nantes, France, from 19-20 October 2017. SOHOMA'17 is organized by the University of Nantes (the LS2N Laboratory of Digital Sciences) in collaboration with University Politehnica of Bucharest (the CIMR Research Centre in Computer Integrated Manufacturing and Robotics), University of Valenciennes and Hainaut-Cambresis (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 main objective of the SOHOMA Workshops is to foster innovation in smart and sustainable manufacturing and logistics systems and in this context to promote concepts, methods and solutions addressing trends in service orientation of agent-based control technologies with distributed intelligence. The theme of the SOHOMA'17 Workshop is "Emerging ICT for intelligent and sustainable manufacturing and logistics systems".

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
- Industrial Internet of Things / Physical Internet
- Swarm intelligence in manufacturing
- Industrial Internet and digital manufacturing
- Dynamic and green infrastructure for sustainable manufacturing
- 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
- Performance evaluation of industrial emerging behaviour
- Extension of holonic paradigm for Dynamic Hybrid Systems



Papers submission

SOHOMA'17 papers must be submitted via the "Submission" menu of the SOHOMA'17 website. Papers can be submitted individually for any of the above topics or for the Special Sessions defined for this Workshop.

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 12 pages formatted in the Springer Book format for "Studies in Computational Intelligence" according to the instructions given at <http://www.springer.com/series/8393>.

All papers duly presented at the Workshop will be included in the SOHOMA'17 post conference Proceedings, ISI indexed, published in the Springer series "Studies in Computational Intelligence". Selected, extended papers may be published in a special issue of a journal representative for the Workshop's domain.

Authors' schedule

Proposals of special sessions: **March 31st**

Full paper submission: **July 3rd**

Notification of acceptance: **July 15**

Final, Camera-ready paper submission: **September 10**

Early registration and fee payment: **September 15**