

# 5<sup>th</sup> Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing

Cambridge, November 5-6, 2015

## Call for papers

### International Program Committee

#### Steering Committee:

Theodor Borangiu (RO)  
André Thomas (FR)  
Damien Trentesaux (FR)

#### Conference Chair:

Duncan McFarlane (UK)

#### IPC members:

Eric Ballot (FR)	José Barata (PT)
Radu Băbiceanu (USA)	Thierry Berger (FR)
Olivier Cardin (FR)	Pierre Castagna (FR)
Kary Främling (FI)	Adriana Giret (ES)
Samir Lamouri (FR)	Paulo Leitão (PT)
Vladimir Marik (CZ)	Duncan McFarlane (UK)
Benoit Montreuil (CA)	Fouzia Ounnar (FR)
Ajith Parlikad (UK)	Doru Pănescu (RO)
Vittaladas Prabhu (USA)	Silviu Răileanu (RO)
Yves Sallez (FR)	Paul Valckenaers (BE)
	Pavel Vrba (CZ)

#### Local Committee

**LC Chair:** Phil Woodall (UK)

#### LC members:

Iulia Voinescu (RO) Raj Srinivasan (UK)  
Silviu Răileanu (RO) Vaggelis Giannikas (UK)  
Wenrong Lu (UK)

#### Venue:

St. John's College, Cambridge, UK

#### Scientific partners:



#### Registration Fees\*

	Before 25/09/2015	After 26/09/2015
Ph.D. Students:	£150	£230
Professors/Research:	£270	£350
Industry:	£370	£450

#### Contact:

Petra Kasmanova (UK) Iulia Voinescu (RO)  
Tel: +44/ (0)1223 764306 Tel: +40/ (0)21 402 93 14  
Fax: +44/ (0)1223 464217 Fax: +40/ (0)21 317 09 12  
E-mail: [sohoma15@cimr.pub.ro](mailto:sohoma15@cimr.pub.ro)  
[www.sohoma15.cimr.pub.ro](http://www.sohoma15.cimr.pub.ro)

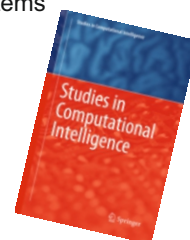
It is our pleasure to invite you to participate in the SOHOMA'15 Workshop on Service Orientation in Holonic and Multi-Agent Manufacturing, organized by the University of Cambridge (Institute for Manufacturing) in collaboration with University Politehnica of Bucharest (the CIMR Research Centre in Computer 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 theme of the SOHOMA'15 Workshop is "Emerging ICT concepts and solutions for intelligent, safe and sustainable products, services and processes".

The main objective of the SOHOMA'15 Workshop is to foster innovation in sustainable manufacturing and in this context to promote concepts, methods and frameworks addressing trends in the service orientation of control technology and management applied to manufacturing enterprises.

#### Workshop Topics

- Intelligent, customer-orientated logistics
- Intelligent Manufacturing Systems
- Modelling of Discrete Event Systems in Manufacturing
- Multi-Agent Systems
- Distributed Intelligence and Product Driven Automation
- Holonic Manufacturing Execution Systems
- Intelligent Products: concepts, architecture, implementation, use cases
- Internet of Things / ambient intelligence in Manufacturing Value Chain
- Swarm Intelligence in Manufacturing
- Industrial Internet and Digital Manufacturing
- 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
- Predictive resource maintenance
- Virtual Factory, Supply Chains and Logistics
- Manufacturing Integration Framework and MSB 2.0
- Cloud Manufacturing
- 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
- Intelligent systems and industrie 4.0



#### Paper submission and publication

SOHOMA'15 papers must be submitted in pdf format, via the "Submission" menu of the SOHOMA'15 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/8393>.

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'15 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:** 30/09/2015 Notification of acceptance: 29/09/2015  
Full paper submission: 31/08/2015 Final paper submission: 21/10/2015  
44/09/2015 Early registration & fee payment: 23/10/2015