#### Session title: Multi-agent systems for holonic manufacturing control -

#### MAHO

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**Short presentation:**

The Multi-agent Systems (MAS) computer science paradigm is intensively used to model, design and implement decentralized systems. In recent years this technology, which was mainly associated to software development, has been used in the control of decentralized systems. This concept, referred to as resource agentification, associates software agents to physical entities in order to simplify the access operations which are now seen as services in a framework with distributed intelligence. In the case of a manufacturing system, services are offered by resources and requested by products. In this context, authors are invited to submit unpublished contributions focused on the following areas of interest:

• MAS-based applications

• MAS in intelligent and distributed control

• MAS in Cyber-Physical Systems

• Internet and cooperating agents

• MAS simulation

• Interactions at society level in MAS

• Cooperation, coordination and reaching agreement in MAS

• Agent-based distributed optimization with constraint satisfaction

• MAS in eCommerce

**Keywords**: multi-agent system, decentralized control, resource agentification, distributing intelligence, mobile / intelligent devices

**Important dates**:

* Full paper submission: **March 19, 2018**
* Notification of acceptance: **March 26, 2018**
* Final, camera-ready paper submission: **April 16, 2018**
* Early registration and fee payment: **May 7, 2018**