

## International Conference on Industrial Engineering and Systems Management May 13-15, 2009, Montreal, Canada

### Call for papers - Special Session on Holonc and intelligent Manufacturing Control

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#### Session Description

In Supply Chain and manufacturing management contexts, many companies are already using hybrid enterprise control systems where centralized information systems such as ERP (Enterprise Resources Planning) and/or APS (Advanced Planning Systems) interoperate with distributed technologies based systems such as Auto-ID. Thanks to these technologies, it is now possible to define emergent control architectures, more agile and intelligent, by enabling products and resources to participate to their own physical flow management.

These emerging architectures are characterised by the communication and decision capacities given to entities composing the Supply Chain. Relevant architectures may be for example holonic (HMS, from the IMS), multi-agent (MAS), bio-inspired, and so on. The variety of relevant approaches and systems leads to many innovative issues to control the material flows. Papers, which contribute to the solving of these problems, are welcome in this session.

#### Recommended Topics

Authors are invited to submit to this session, new results and real case applications addressing the following issues (but are not limited to):

- Simulation and performance evaluation of intelligent manufacturing systems
- Self-organisation in intelligent manufacturing and industrial management systems
- Synchronization, coordination and consistency between decision models and information models for material flow control
- Interoperability between ERP and APS
- Control architecture design
- Control architecture evaluation
- Information management & decision making process modelling
- Deployment methodology of intelligent control systems
- Distributed decision

#### Instructions to authors

Authors are requested to provide a full paper of 10 pages maximum, written in English. The full manuscript should be submitted in accordance with the template format of the conference (available at <https://symposia.cirrelt.ca/IESM09/en/Instructionstoauthors>)

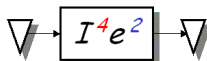
#### Submission

The authors are requested to submit their draft papers online and select the proper special session at <https://symposia.cirrelt.ca/IESM09/en/Submission>.

#### Important deadlines

Draft papers and posters should be submitted by **November 15, 2008**

Authors will receive the acceptance notification by **February 15, 2009**



# IESM'2009

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Final papers for presentation should be sent before **March 1, 2009**

For complete information, visit the IESM'2009 Web Site at

<http://cirrelt.ca/IESM2009>

