



Call for Papers / Invitation to Special Session SS01

DISTRIBUTED AND AUTONOMOUS INTELLIGENT SYSTEMS

Special Session Organizers

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Aim: The automation level in industrial systems such as manufacturing, power and energy as well as logistics domain increases steadily. Therefore, the management and automation software used in these domains has to deal more and more with a complex structure of distributed and autonomously acting devices. In order to master the complexity of such highly interconnected and collaborating devices advanced methods and concepts for their design, implementation, validation, and operation are necessary. Therefore this Special Session will be focusing on (but not limited to) the following topics:

- Concepts and architectures for distributed intelligent systems
- System of Systems and Complex Systems Engineering
- Architectures for autonomous systems
- Multi-Agent and holonic-based approaches
- Self-organization and other self-* properties
- Service-oriented architectures and web technologies
- Collaborative objects
- Applications of distributed and autonomous concepts in the Manufacturing, Power and Energy (Smart Grids) and Logistics environment
- Standardization activities in the domain of distributed and autonomous systems

SUBMISSION OF PAPERS

Papers should be submitted electronically. For further details, please refer to the conference web page.

AUTHOR'S SCHEDULE

Deadline for submission of papers: April 8, 2012

Notification of papers acceptance: May 30, 2012

Final manuscripts due: July 8, 2012

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