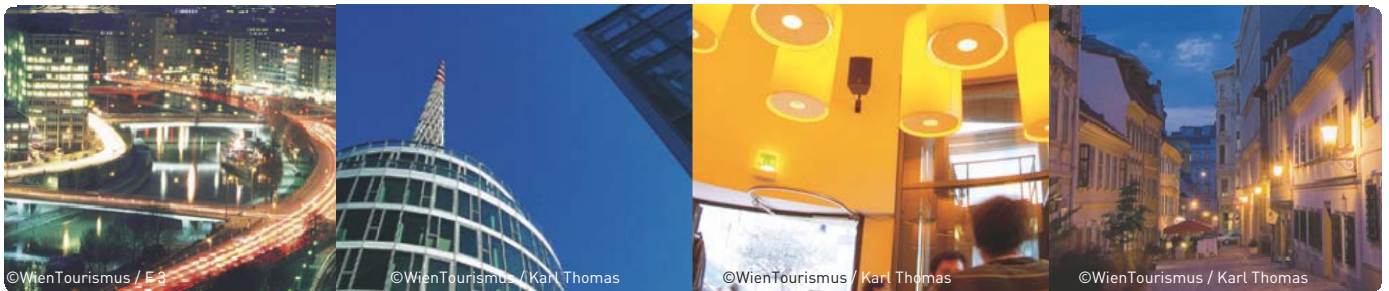


# CALL FOR PAPERS

## Special Session on Engineering Paradigms for Automated Facilities

to be held in the frame of  
IECON 2013 - The 39<sup>th</sup> Annual Conference of the IEEE Industrial Electronics Society  
10<sup>th</sup> - 13<sup>th</sup> of November 2013, Austria Center, Vienna, Austria



### TOPIC OF THE SPECIAL SESSION

The demand for flexible, adaptable, reconfigurable and robust production systems puts high pressure on engineering teams worldwide, in both domains of factory and of process automation.

Thus, the application of emergent concepts, paradigms, methodologies and technologies is required.

This session seeks for contributions providing the experiences, demonstrations, best practices and roadmaps, which will help the industry to assess the applicability of these new paradigms for fulfilling the above requirements.

Topics of interest include, but are not limited to:

- Concepts, architectures and engineering methodologies.
- System of systems and complex systems engineering.

### SPECIAL SESSION ORGANISATION

Matthias Foehr  
matthias.foehr@siemens.com

Tobias Jäger  
jaeger.tobias@siemens.com

Paulo Leitão  
pleitao@ipb.pt

The organizers look forward to welcoming you to Vienna, Austria from 10<sup>th</sup> to 13<sup>th</sup> November 2013.

### Important Dates

Regular Paper submission:	April 01, 2013
Notification of acceptance:	June 15, 2013
Final submission:	August 01, 2013



- Multi-agent systems and Holonic manufacturing systems.
- Web-technology and service-oriented architectures.
- Low level control and IEC61499.
- Self-organization and other self-\* properties in manufacturing.
- Simulation and validation methods.
- Industrial applications of distributed and autonomous concepts and technologies in manufacturing.
- Standardization activities.
- Engineering of automated facilities of the future.
- Lifecycle spanning concepts and integration approaches (engineering data and operating data)
- Regionalization approaches.

### **SUBMISSION OF PAPERS**

The working language of the conference is English. Submit the full paper as PDF following the IEEE layout requirements by using the templates given at the conference web page. Accepted and presented papers will be published in an IEEE Proceedings volume and will be sent to IEEE Xplore. In addition, selected authors are encouraged to submit their papers for publication in the IEEE Transactions on Industrial Electronics or in the IEEE Transactions on Industrial Informatics.

### **THE CONFERENCE**

IECON 2013 is the 39th Annual Conference of the IEEE Industrial Electronics Society, focusing on industrial and manufacturing theory and applications of electronics, controls, communications, instrumentation and computational intelligence. The objectives of the conference are to provide high quality research and professional interactions for the advancement of science, technology, and fellowship.

Papers with new research results are encouraged for submission. IECON 2013

will be held concurrently with the 7th IEEE International Conference on E-Learning in Industrial Electronics (ICE-LIE 2013). Participation in any of these events just requires a single conference registration fee. The world's industry, research, and academia are cordially invited to participate in the wealth of presentations, tutorials, special sessions and social activities, and furthermore, enjoy beautiful Vienna.