

# CALL FOR PAPERS

## Special Session on Emerging methods and technologies for Eco-Factories engineering and control

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

Academia and industry are getting aware that economic and environmental performances, and specifically efficiency in usage of energy and manufacturing resources, are important for success in the current competitive landscape: the future manufacturing enterprises need novel methods and technologies for the future Eco-Factories. Industrial Informatics, Control Systems, Robotics, Sensors, Actuators and Systems Integration technologies have to be harmonized under an holistic perspective that, exploiting the interactions among production equipment, technical building services and building shells enable cost-effective, highly productive, energy-efficient and, at the same time, sustainable production systems. The topics of interest of this special session include (but are not limited to) the following areas:

- sensors, actuators, monitoring systems for green manufacturing processes;
- intelligent system components with enhanced control strategies;
- ecological treatment and energy recovery systems;

### Important Dates

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

### SPECIAL SESSION ORGANISATION

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



- energy and resource efficient control strategies at plant level;
- eco-aware decision support and simulation tools;
- environmental conscious factory automation and industrial informatics;
- data and process models, green oriented KPIs, intelligent alerts for green manufacturing operations;
- flexible visualisation tools for green factory cockpits.

### **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.