

CALL FOR PAPERS

Special Session on Electronic System Level (ESL) Design and Virtual Prototyping (VP) for Industrial Electronics

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



TOPIC OF THE SPECIAL SESSION

Design of Electronic System Architectures and optimization of those architectures at highest level of abstraction is gaining importance in modern day system level applications and designs. However, these complex systems needs to be resolved and defined accurately at system level which are done by Virtual Prototyping of complete system. The accuracy vs speed of execution trade-off is a significant area of study. Another area of interest is reduction in analog/RF area/current by including proper DSP/HW/SW correction technique. This special session provides a platform for academia and industry who works on industrial electronics to share and discuss updates in the area of ESL and VP. Topics of interest include, but are not limited to:

1. Industrial/Automotive sensor actuator systems, virtual prototyping of sensors (hall sensors, LVDT sensors, etc)
2. Wireless sensor networks, smart homes and home automation.
3. Analog and digital signal processing for industrial and automotive applications

SPECIAL SESSION ORGANISATION

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

Important Dates

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



4. Multi-processor HW/SW system design, verification and synthesis.
5. AMS/RF/HW/SW co-design and optimization.

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.