

# CALL FOR PAPERS

## Special Session on V2X Communication Technology Status, Outlook and remaining Challenges

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

Cooperative telematic systems (intelligent transport systems) are an emerging area of great significance for safety and comfort of people in the road traffic as well as the environment. 2015 there will be first vehicles, equipped with IEEE 802.11p based cooperative communications systems (vehicle-to-vehicle as well as vehicle-to-infrastructure), on the road. The requirements on such V2X communication systems are very high, especially for safety related applications. Currently there are still open questions concerning technical, standardization, application, and operation topics. For this reason we announce this Special Session with following wide range (not limited to) topics:

- Vehicular antennas
- Vehicular wireless channel characterization and modeling
- IEEE 802.11p, IEEE 1609, WAVE, ITS-G5, systems
- Vehicular cellular and hybrid (IEEE 802.11p) systems
- PHY layer, MAC layer, networking layer, facility layer, application layer
- Design, analysis, measurements and simulations

### 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.

### Important Dates

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



- enhancements, MIMO, cooperative communications, interference in high load scenarios, DCC, capacity, ad-hoc networking, security, V2X n networking, V2V ad-hoc networking, multi-hop
- Operation/Deployment: field trials, economic models, level of penetration

### **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.