

# CALL FOR PAPERS

## Special Session on Health and Sustainable Technologies for Next Generation Home and Building Automation

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

In recent years, the paradigm of home and building automation shifts from offering comfort environment and convenience to achieving healthy and sustainable lifestyle. As a result, new technologies are needed to provide promising features such as healthcare, energy management, energy auditing, demand side management ...etc for next generation home and building automation systems. This special session aims at networking novel researches for Health and Sustainable Technologies in numerous aspects including the system designs, smart appliances, intelligent algorithms, circuit designs, wireless communication technologies, system and network performance ...etc.

Topics of interest include, but are not limited to:

- Energy efficiency, energy visualization, energy management;
- Smart appliance development;
- Homecare and remote patient monitoring;

### 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



- Mobile telehealth and wireless applications;
- Telehealth software and systems;
- Network, protocol and service integration;
- Ubiquitous and pervasive computing, ambient intelligence;
- High level network architectures;
- Multimedia networks;
- User interfaces and user interaction;
- Human building interaction;
- Security, privacy, safety in home and building automation systems;
- Wireless protocols and technologies;
- wireless sensor networks;
- Autonomous systems, adaptive control, self-learning;
- Semantic homes and environments, context awareness;
- Operation and maintenance, commissioning, facility management integration;
- Building information modeling (BIM);
- Web services for health care;
- Web services, web based control and management, Internet of Things.

### **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.