

CALL FOR PAPERS

Special Session on Smart Building Infrastructures for Integration of On-site Power Generation and Energy Storage

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

The session is based on residential home energy systems and focuses on smart house infrastructures, which are flexible to adopt on-site renewable power generation and energy storage contributing to high energy efficiency and demand side management. The submitted subjects should include on-site power generation and/or in-house energy storage, while supports the utility grid upon request. The proposed system allows the building islanding operation based on stored energy and renewable power supply to achieve the function of peak shaving, which is an effective method for utility companies to reduce operating cost. The presented study concentrates on the power management among renewable energy systems, energy storage, air conditioning, and power applications. Communication technique can also be discussed permitting a quick and accurate identification of renewable generation fault conditions or abnormal load power consumption.

The research success will make every energy user not only be a customer or benefiter, but also act as an energy-smart contributor who denotes to the long-

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 |



term reduction in energy and carbon footprint. The outcome of this study provides initial study and demonstration of the house-level power generation and energy storage integrated to utility grids.

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.