

# IEEE SmartGridComm 2012 to Address Worldwide Energy Infrastructure Issues



The **3rd annual IEEE International Conference on Smart Grid Communications (SmartGridComm)** will be held from November 5 - 8, 2012 in Tainan City, Taiwan.

As a leading international forum dedicated to the advancement of the world's power delivery infrastructure, [IEEE SmartGridComm 2012](#) will host more than 100 tutorials, workshops, keynotes, panels and technical sessions dedicated to empowering today's power grid with the capability to support the two-way flow of energy and information, quickly isolate and restore power after outages, facilitate the integration of renewable energy sources and provide the tools necessary for optimizing energy consumption.

[IEEE SmartGridComm](#) will begin with a full day of tutorials and workshops detailing topics such as "Smart Grid Communications: Research Challenges and Opportunities," "Communication Networks for Power Engineers," "Smart Metering Utility Networks (SUN) Standard – IEEE802.15.4g," "Communications within Power Substations: Breaking the EM Barrier," "Cognitive and Machine-to-Machine Communications and Networking for Smart Grid" and "Wireless Infrastructure for Smart Grid."

The conference's three-day plenary and technical schedule will begin with the welcoming address of Dr. Chih-Kung Lee (C.K. Lee), President of the Institute for Information Industry and Vice Chairman of the SEMI Taiwan MEMS Committee. During his opening remarks, Dr. Lee will address the numerous case studies and perspectives surrounding the drive to develop "Taiwan ICT-driven Smart Grids" and the "ever-progressing enrichment of interactions in various forms of communications."

Noted anchor speakers include: Hiroshi Harada, Director, Smart Wireless Laboratory, NICT, Japan and Chair of Board of Promoters, Wi-SUN Alliance, who will discuss "Wi-SUN: A Wireless Smart Utility/Metering Network Based on IEEE 802.15.4g;" David Hill, Professor, Ausgrid Chair of Electrical Engineering, School of Electrical and Information Engineering at the University of Sydney, Australia, who will speak on "A Control View of Communication Challenges in Smarter Grids;" and Munther A. Dahleh, Professor, Associate Department Head, EECS, MIT, USA, who will address "Tradeoffs Between Efficiency and Risk in the Smart Grid."

Special presentation will be the "Smart Grid Forum – Its Challenges and Opportunities" hosted by Kuang-Chong Wu, Vice President, National Applied Research Laboratories and includes numerous distinguished panelists representing leading organizations such as the Institute of Nuclear Energy Research, Taiwan Power Company, the Smart Network System Institute and the Taiwan Smart Grid Industrial Association.

[IEEE SmartGridComm 2012](#) will be earmarked by the quality and diversity of its technical symposia consisting of over 100 presentations delivered by industry experts from Germany, Australia, Japan, Canada, the United States, Denmark, China, India, Singapore, Spain, Switzerland and Taiwan.

Topics featured include "A Smart Meter Based Approach to Power Reliability," "AMI Threats, Intrusion Detection Requirements and Deployment Recommendations," "Complete Automation of Future Grid for Optimal Real-time Distribution of Renewables," "Coordinated Energy Scheduling for Residential Household for the Smart Grid," "Distributed Smart Charging of Electric Vehicles for Balancing Wind Energy" and "Mobile Charging Station Service in Smart Grid Networks."

For more information and ongoing updates on [IEEE SmartGridComm 2012](#), please visit <http://www.ieee-smartgridcomm.org/> or contact Heather Ann Sweeney of the IEEE Communications Society (ComSoc) at 212-705-8938 or [h.sweeney@comsoc.org](mailto:h.sweeney@comsoc.org). Interested parties are also welcome to reach out and share industry information with international colleagues via the conference website's links to Twitter, LinkedIn and Facebook.

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