

IEEE announced a groundbreaking smart grid initiative for the power engineering, communications and information technology industries with the project approval of the IEEE 2030 Guide for Smart Grid Interoperability of Energy Technology and Information Technology Operation with the Electric Power System (EPS) and End-Use Applications and Loads (P2030). Intel Corporation (NASDAQ: INTC) will host the first IEEE P2030 meeting, open to individuals and organizations interested in shaping the smart grid guide, at its headquarters in Santa Clara, CA, June 3-5, 2009.

IEEE P2030 will provide a knowledge base for understanding and defining smart grid interoperability of the electric power system with end use applications and loads. It will involve the integration of energy technology and information and communications technologies, which is necessary to achieve seamless operation for electric generation, delivery, and end-use benefits that will permit two-way power flow with communication and control.

IEEE P2030 is sponsored by the IEEE Standards Coordinating Committee 21 (SCC21) and chaired by Dick DeBlasio, who is program manager at the National Renewable Energy Lab facility of the U.S. Department of Energy, and serves as the IEEE smart grid liaison to the National Institute of Standards and Technology (NIST). DeBlasio points out that “this P2030 standards project will support NIST’s role to coordinate the development of smart grid interoperability standards.”

The IEEE P2030 kick-off meeting will be held on June 3-5, 2009, at Intel Corporation headquarters in Santa Clara, California. It will consist of a general session for all delegates, and three breakout sessions focused on Power Engineering Technology, Information Technology and Communications Technology. Registration for in-person meeting attendance is now closed as the 150 meeting room limit has reached capacity. Individuals can register for remote attendance by accessing the registration site online at:

<https://web.memberclicks.com/mc/quickForm/viewForm.do?orgId=iecs&formId=59246>.

### IEEE’s Role in Progressing Smart Grid

The IEEE is uniquely positioned to guide smart grid interoperability standardization, given its significant and relevant breadth of technology expertise. With the foundational technical explorations and the already existing standards from the diverse fields of digital information and controls technology, networking, security, reliability, assessment, interconnection of distributed resources including renewable energy sources to the grid, sensors, electric metering, broadband over power line, and systems engineering – together, this body of knowledge has no match.

Pat Ryan, executive director, IEEE Power & Energy Society, provides one major example of the IEEE’s pre-eminence. “What makes the IEEE engagement in smart grid technical work even more robust are the activities taking place in the IEEE’s Power and Energy Society (PES) where we are harnessing and optimizing our technical expertise to help ensure grid modernization. PES is poised to launch a new IEEE Transaction on smart grid, and the PES Transmission and Distribution Intelligent Grid Subcommittee is ramping up to build a repository of summaries of standards and best practices that are critical to grid modernization. PES, through its unparalleled community of technical experts, is continuing its legacy of making significant technical contributions to the Power and Energy industries, now focusing on the emerging market space of smart grid.”