

IECON 2011 – The 37th Annual Conference of the IEEE Industrial Electronics Society

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Special Session on “Advanced Information and Communication Technologies in SmartGrid” organized by

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Call for Papers

SmartGrid is the future power distribution infrastructure which is widely investigated worldwide to replace in the next decades the traditional way of how we use electric energy. It will help to achieve the sustainable green society by easy integration of renewable sources like wind, solar and geothermal generators at the household level, wide use of electric vehicles and preventing cascading failures and blackouts. All these features will be achieved by using revolutionary novel information and communication technologies (ICT). Topics of interest of this special session include the key aspects of such ICT, but are not limited to:

- Communication architectures for SmartGrid
- SmartGrid related ICT standards development and application (e.g. IEC 61850)
- Artificial intelligence in SmartGrid
- New computation models for SmartGrid applications
- Modelling and simulation of SmartGrid
- System engineering methodologies
- Embedded control devices for SmartGrid
- Models of complex systems
- Intelligent fault management and load management

Submission procedure: All the instructions for paper submission are included in the conference website www.iecon2011.org

Important deadlines:

Papers' submission:	15 April 2011
Notification of acceptance:	1 July 2011
Final submissions due:	15 August 2011
Early registration closes:	15 August 2011