



**IEEE INTERNATIONAL SYMPOSIUM ON INDUSTRIAL ELECTRONICS ISIE'18
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Special Session on

**Smart Automation, Control, and ICT Concepts
applied to Power and Energy Systems**

Organized by

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Call for Papers

The power and energy systems domain is experiencing a major change in terms of operation and planning. The advancement into a so called smart energy system or a smart grid produces new challenges. With the introduction of distributed, renewable generation (e.g., solar, wind, small hydro power) and controllable loads (e.g., electric vehicles, energy storage systems) new and advanced automation, control, and Information and Communication Technology (ICT) concepts and corresponding methods are required in order to cope with these new challenges. This special session targets this challenging, interdisciplinary field.

Topics of interest include, but are not limited to:

- Advanced information and communication systems
- Distributed automation concepts
- Distribution automation and SCADA systems
- Demand-side management concepts
- Holonic, multi-agent and service-oriented concepts
- Self-healing systems covering fault location, isolation, service restoration, etc.
- Application of smart grid related automation standards (e.g., CIM, IEC 61850, OPC UA, IEC 61499)
- Modelling, simulation and validation concepts for cyber-physical energy systems

All the instructions for paper submission are included in the conference website: <http://www.ieee-isie2018.org>