

IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL INFORMATICS INDIN'16

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Special Session on

“Computational Intelligence: The Enabler for Smarter Grids”

organized by

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Call for Papers

Theme:

The large scale deployment of the Smart Grid paradigm could play a strategic role in supporting the evolution of conventional electrical grids toward active, flexible and self healing web energy networks based on distributed and cooperative energy resources.

From this perspective, a crucial issue is how to support the evolution of existing electrical grids from static hierarchal systems to self organising, high scalable and pervasive networks.

In this field modern trends are oriented toward the employment of computational intelligence techniques for deploying advanced control, protection and monitoring architectures that move away from the traditional computing paradigm to evolutionary and cooperative architectures.

Topics of interest include, but are not limited to:

- Probabilistic and non probabilistic paradigms for smart grids analysis in the presence of data uncertainty
- Proactive paradigms for smart grid control and regulation

- Evolutionary algorithms for optimal power flow analysis
- Fuzzy Inference Systems for renewable power forecasting
- Meta-heuristic algorithms for fast contingency analysis
- Decentralized and cooperative sensor networks for dynamical loading of power equipments
- System restoration and smart restoration tools
- Application of pervasive sensing systems for condition monitoring

Submissions Procedure: All the instructions for paper submission are included in the conference website : <http://ieee-indin2016.sciencesconf.org/>.

Deadlines:

Reception of full paper:	1 January, 2016
Paper acceptance notification:	10 April, 2016
Camera ready paper reception:	1 May, 2016