

IEEE International Symposium on Industrial Electronics ISIE'17

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Special Session on

**“New Era of Prosumers: Operation Strategies,
Control Algorithms and Power Electronics”**

organized by

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Call for Papers

SMART GRID is an emerging area, new concepts and ideas are being quickly proposed and validated. In most of them, the past passive electric consumers move to active electric Prosumers that do not only consume energy, but produce by using Renewable Energies and store to develop new Operation Strategies and Business models. These Strategies try to optimize not only the Electric Bill, Electric Consumption or Improve the Energy Efficiency, but also to integrate the Prosumers as active element in the whole Electric Systems, becoming into a new resources that DSOs or TSOs can use when planning the Electric Grid Operation Strategy. These strategies requires new Power Electronic systems and devices, that implements new and advances control algorithms applied to the electric energy consumption, generation or storage.

Topics of interest include, but are not limited to:

- Impact of Power Electronics on Smart Grid Stability
- DC or AC Power Electronic Interfaces for Control of Renewable Energy Sources and Energy Storages in Smart Grids
- Smart Grid Control and Management
- New functionalities and operation strategies for Prosumers
- Control Algorithms used in Prosumer management

Submission procedure, deadlines, and author instructions:

A manuscript submitted to the Special Session of ISIE 2017 must be in the IEEE double format with single space 10p fonts and figures included in the text, so the length of the manuscript of 8 pages long in PDF format can be evaluated. For your convenience you may download the WORD [template.doc](#) from the conference website: <http://www.ISIE2017.org>

Deadlines:

- Reception of full paper: December 15th 2016
- Paper acceptance notification: March 1st 2017
- Camera ready paper reception: April 10th 2017