

# **IEEE International Symposium on Industrial Electronics ISIE'17**

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**Special Session on**

**“New Era of Smart Grids: The role of Smart Meters”**

**organized by**

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## **Call for Papers**

Distribution networks are decisively changing towards the SMART GRID paradigm, with high renewables' deployments and an increasing SMART METER presence in the network, for each consumer or producer. The EU aims to replace at least 80% of electricity meters with smart meters by 2020 wherever it is cost-effective to do so. This is a unique opportunity to include in those meters, besides their traditional billing functionality, new advanced functions. These new advanced functionalities can aim:

- Costumers
- Grid and network support
- Commercial issues of energy supply
- Security and privacy
- Distributed generation

Also the concept of an Unbundled Smart Meter (USM), based on commercially existing smart meters, enabling end-users to directly

access its data and services. This concept will promote the development of third party added value services that will lead to deployment cost reductions.

Topics of interest include, but are not limited to:

- Impact of Smart Meters
- Success Smart Meters case studies
- Unbundled Smart Meters developments
- New functionalities for Smart Meters
- Smart meters and intelligent substations
- Smart meters and Smart Transformers

**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 15<sup>th</sup> 2016
- Paper acceptance notification: March 1<sup>st</sup> 2017
- Camera ready paper reception: April 10<sup>th</sup> 2017