

IEEE International Symposium on Industrial Electronics ISIE'17 19-21 June 2017, Edinburgh, Scotland

Special Session on

**“Control and Management of local networks with
energy storage”**

organized by

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Call for Papers

Theme: Local micro-grid / power networks are becoming more and more prevalent worldwide, even where there is already a well-established power distribution network and the grid is considered “strong” as supposed to “weak” in more remote areas. The desire of creating self-sustained local power networks which incorporate renewable resources is one of the most interesting objectives and subject of many discussions at a government level within many European and non-European countries which will inevitably influence changes in future policies. Technically however, there are still many challenges ahead. One of these challenges is in the control and management of local power networks which include energy storage devices which are essential to dynamically compensate for imbalances between generation and demand at different times and hence this is the main aspect covered by this special session. Papers are invited to highlight control strategies through the implementation of control algorithms, or issues relating to local distributed storage systems or advances in power electronics together with their appropriate control which should be supported by a simulation study and where possible experimental validation.

Topics of interest include, but are not limited to:

Control systems, power electronics, energy storage management, micro grid stability, renewable energies applications, Vehicle to grid applications

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](http://www.ISIE2017.org) from the conference website: <http://www.ISIE2017.org>

Deadlines:

- Reception of full paper: January 10th 2016

- Paper acceptance notification: March 1st 2017
- Camera ready paper reception: April 10th 2017