



IEEE EUROCON 2017
17th IEEE International Conference on Smart Technologies
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Call for Paper (CfP)
Special Session SS–#10:
"Role and Challenges of Energy Storage in Future Electrical Grids"

Important Date: Full paper submission deadline 31 December 2016

Outline:

Electrical Energy storage has played three primary roles. First, it reduces the cost of electricity costs by storing electricity during off-peak times for use at peak times. Secondly, it improves the reliability of the power supply by supporting the users during power interruptions. Thirdly, it improves power quality, frequency, and voltage. Electrical Energy storage is expected to solve many problems including excessive power fluctuation and undependable power supply due to the use of large penetration levels of renewables. Electric vehicles with batteries are the most promising technology to replace fossil fuels by electricity from mostly renewable energy sources. This special session will present the future roles and challenges of electrical energy storage.

Topics:

- Research & Development.
- Roles of electrical energy storage technologies in generation, transmission and distribution networks.
- Types of electrical energy storage systems.
- Markets for electrical energy storage.
- Challenges for electrical energy storage.
- Policy and regulations.
- Case studies.

Chair: Ahmed Zobaa, Brunel University London, U.K. (azobaa@ieee.org)

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Types of papers:

- research papers (academic or industrial)
- student research papers (the first author must be a MSc or PhD student at the time of initial paper submission)
- professional papers and presentations

Paper Submission: In order to upload the pdf version of your paper please visit <https://easychair.org/conferences/?conf=ieeeeurocon2017> The working language of the conference is English. The research contributions must be original, have neither been nor are intended to be published elsewhere during the review period. Papers should strictly follow IEEE format and be limited to 6 pages. All submissions will be refereed by experts in the field. The quality of the research papers will be assessed

based on its originality, significance and clarity. Authors should indicate their preference in oral or poster presentation (the chairs, based on the reviewers recommendations, can change the presentation type). Only presented research papers (academic, industrial and student) satisfying all IEEE standards will be submitted to the **IEEEXplore** database (indexed by Inspec, Ei Compendex, Scopus, Web of Science and Google Scholar) and are eligible for further submission to IEEE journals.

IEEE EUROCON 2017 Student Paper Competition: The student papers are research contributions where the first author must be a MSc or PhD student at the time of initial paper submission. These paper submissions are automatically entering the Student Paper Competition. The EUROCON 2017 Best Student Paper Award is a tablet computer.

For more information please visit the conference web page:
<http://eurocon2017.org/Home/PaperSubmission>