



IEEE EUROCON 2017
17th IEEE International Conference on Smart Technologies
6 – 8 July 2017 Ohrid, Republic of Macedonia
<http://eurocon2017.org/Home/SpecialSessions>

Call for Paper (CfP)
Special Thematic Area STA-9:
"Smart Technologies in Drives and Control"

Important Date: Full paper submission deadline 31 December 2016

Outline:

This Special Thematic Area (STA) is devoted to ideas, developments, research and surveys on "smart technologies" in the field of electric drives and automatic control applications. The current attempt to improve the performance, efficiency, environmental sustainability, economic competitiveness, reliability and flexibility of electric and electronic equipment used in drive and automation systems requires more and more "smartness" to be implemented in terms of new topologies, design optimization, advanced control algorithms, diagnostics and fault tolerance techniques. Furthermore, accurate and reliable approaches are needed for a comprehensive system modelling and simulation through either analytical or numerical methodologies. The STA is intended to cover a wide area of application fields, mainly including electric power generation and utilization through electric motors, generators and actuators of any kind, associated with the relevant power electronics, condition monitoring, regulation and management systems; advanced control technologies applied to electric drives, robotics, power generation in either healthy and faulty conditions. Both research and survey papers are welcome on (but not limited to) the topics listed below.

Topics:

- Modelling and simulation of electric motor drives
- Design of electric motor drives
- Control of electric motor drives and power generation systems
- Diagnostics and condition monitoring of electric motor drives and generation systems
- Fault tolerance solutions for electric motor drives and generation systems
- Automation systems based on predictive, fuzzy-logic, sliding-mode, robust, adaptive, optimal, observer-based, etc. control techniques
- Control systems applied to robotics and servo-actuators.

Chair: Alberto Tassarolo, University of Trieste, Italy (atessarolo@units.it)

Types of papers:

- research papers (academic or industrial)
- student research papers (first author must be a MSc or PhD student at the time of initial 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>