Special Section on:

Emerging Power Quality Problems and State of The Art Solutions

This Special Section is intended to address emerging power quality problems due to integration of large-scale photovoltaic and wind systems, concepts of smart grid, vehicle to grid, increased reliance on power electronic devices/equipment in residential, commercial and industrial domains, etc. Further, it aims at providing advanced solutions to overcome those power quality problems using active power filters, distributed generators and electric vehicles as ancillary services.

All researchers working in this area are encouraged to submit their papers with latest results to this Special Section.

Editors invite original manuscripts presenting recent advances in these fields with special reference to the following topics:

- Power quality issues due to the integration of renewable energy resource: voltage rise, voltage distortion, etc.
- Distributed generators (e.g. photovoltaic and wind) as ancillary service providers: voltage regulation, reactive power support, fault ride through, harmonics compensation, etc.
- Power quality challenges and potential solutions for smart grid applications
- Common mode voltage reduction methods in multilevel inverters
- Non-linear and/or unbalance load sharing in islanded multi-DG system
- Advanced controllers for power quality compensators
- Electric vehicles and power quality.

Manuscript Preparation and Submission

Check carefully the style of the journal described in the guidelines “Information for Authors” in the IEEE-IES web site: http://www.ieee-ies.org/index.php/pubs/ieee-transactions-on-industrial-electronics.

Please submit your manuscript in electronic form through: https://mc.manuscriptcentral.com/tie-ieee/.

On the submitting page, in pop-up menu of manuscript type, select: “SS on Emerging power quality problems and state of the art solutions”, then upload all your manuscript files following the instructions given on the screen.

Corresponding Guest Editor
Prof. Vinod Khadkikar
Electrical Power Engr.
Masdar Institute of Science and Technology,
Abu Dhabi, U.A.E.
EMAIL: vkhadkikar@masdar.ac.ae

Guest Editor
Prof. Dianguo Xu
Harbin Institute of Technology (HIT)
92 West Dazhi Street
Harbin 150001 China
EMAIL: xudiang@hit.edu.cn

Guest Editor
Prof. Carlo Cecati
Dept. of Information Engineering,
Computer Science and Mathematics
University of L’Aquila,
67100 L’Aquila, Italy
EMAIL: carlo.cecati@univaq.it

Special Section email: SSPq@ieee-ies.org
Submission management email: tie-submissions@ieee-ies.org

Timetable

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Editor in Chief: Prof. Carlo Cecati, University of L’Aquila, 67100 L’Aquila, I, EMAIL: tie@ieee-ies.org URL: http://tie.ieee-ies.org