

Special Session on

“Advanced Power Quality Conditioning Systems and Their Control Strategy”

Organized by

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Call for Papers

With the proliferation and increased use of power electronic devices (nonlinear loads), motor loadings and also rapid increase in renewable energy generator, railway electrification systems recently, the power quality (PQ) problems become more serious, which strongly affects the performance, efficiency and reliability of the grid or microgrid. This organizers invite researchers, professionals and students to submit high quality research articles as well as review papers to this special session on the recent theoretical, structure, detection, control strategy and analysis advancement on PQ conditioning systems in power grid, microgrids, and railway electrification system.

Topics of the Session:

Topics of interest include, but are not limited to:

- Power factor correction circuits
- Static var compensators
- Active and hybrid active power filters
- Dynamic voltage restorers
- Unified power quality conditioners
- Control strategies for power quality compensators
- Operation and its optimization control of multiple power quality compensators
- Power quality in microgrids



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- Power quality and renewable energy generation
- Power quality in railway electrification system
- Power quality detection and measuring systems