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Special Session on
“Advanced Power Electronics for Power Quality Improvement in Distributed Generation Systems”

organized by

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Call for Papers

The integration of nonlinear devices (motor drives, renewable energy generators) into the grid reduces its power quality, performance and reliability. Various power electronics converters for harmonic compensation were recently introduced. Great efforts are continuously deployed on the structural and control levels to achieve optimized cost-effective solutions for power quality enhancement. This session is intended to give an insight on the latest studies concerning the design and development of power electronics converters dedicated to power quality improvement in modern power systems.

Topics include but are not limited to:

- 1) Active and hybrid power filters
- 2) High power factor rectifiers
- 3) Multilevel and matrix converters
- 4) Unified power quality controllers
- 5) PWM advanced control techniques
- 6) Modeling methods for switch-mode converters
- 7) Real-time simulations
- 8) HVDC transmission
- 9) Interleaved converters
- 10) Photovoltaic and fuel-cells power plants
- 11) Wind generation systems

Submission procedure: All the instructions for paper submission are included in the conference website <http://www.icit2015.org>

Important deadlines:

Papers' submission:	October 31st, 2014 November 21st, 2014 (EXTENDED)
Notification of acceptance:	January 10th, 2015
Final submissions due:	February 10th, 2015