



Special Session on
**Advanced Power Electronics for Power Quality in Distributed Power
Systems**

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Call for Papers

Outline of the Session:

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 of the Session:

- Active and hybrid power filters
- High power factor rectifiers
- Multilevel and matrix converters for grid-connectivity of renewable sources
- Unified power quality controllers
- PWM advanced control techniques in power quality systems
- Modeling methods and real-time simulations of power quality systems

Deadlines:

Submission of the full paper:

October 15th, 2017

Notice of acceptance:

November 11th, 2017

Submission of final papers:

December 12th, 2017

All the instructions for digests are included in the conference website: <http://icit2018.org/en>