



2017 Workshop on Power Electronics and Power Quality Applications (PEPQA) BOGOTÁ-COLOMBIA. May 31 June 2, 2017

We have the pleasure of inviting you to submit your technical research works for PEPQA 2017. **The 3rd International Workshop on Power Electronics & Power Quality Applications** will be held on May 31 - June 2, 2017 at **Universidad de los Andes, Bogotá, Colombia**. A large number of participants will be participating in three days of keynotes, tutorials, hands-on, papers, paper presentations and forums among new activities designed to improve the collaboration between industry professionals and the academic community.

This biannual workshop provides a space for students, academics, and industry professionals to collaborate on meeting the ever-increasing **power electronics** and **power quality** challenges in the Latin America region. The workshop covers a range of topics, including power electronics (PE) converters, adjustable speed drives, PE in transmission and distribution, power quality (PQ) analysis, PQ design and modeling, and simulation & education in PE/PQ.

TOPICS

The conference scope covers topics in power quality and power electronics including, but not limited to:

Power electronics converters

- Circuits, control and modulation strategies
- Uninterruptible Power Supplies (UPS)
- *Multilevel and emerging topologies*
- Power Factor Correctors (PFC)
- Transport & automotive

Adjustable speed drives for electrical machines

- *Energy efficient drives*
- Adjustable speed drive systems
- Drives for permanent magnet machines
- Drives for reluctance machines
- Drives for other machines

PE in transmission and distribution

- *Smart grids and micro-grids*
- Power conditioning and active filters
- Distributed power and alternative energies
- Adjustable speed generation systems
- Measurement and control

Power Quality analysis

- *Power quality analysis and policies*
- Economic impacts of power quality
- Impacts on systems and equipment
- Smart Grid considerations for power quality
- Distributed generation and power quality

Power Quality design

- Power quality mitigation technologies
- *Power quality case studies*
- Power quality monitoring
- Power quality standards and regulations
- Planning with power quality considerations

Modeling, simulation and education in PE and PQ

- Modeling approaches
- *Simulation strategies and tools*
- Real time simulation
- Hardware in the loop
- Methodologies in education

General Information

Website: www.pepqa.com.co

Date: May 31 - June 2, 2017

Venue: Universidad de los Andes, Bogotá, Colombia.

Organizer: Universidad de los Andes SB IAS Chapter and Colombian Section IAS Chapter.

Paper submission

deadline: February 27, 2017

Authors Guidelines (formats and details):

<http://www.pepqa.com.co>

Contact us

if you have any questions,
please write to

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Publications

Papers are peer-reviewed and selected on the basis of **technical quality**, **topic affinity**, and **applicability to the industry**. Submissions are restricted to a minimum of four and a maximum of six pages and English or Spanish will be considered for publication. It is important to highlight that, since the first edition, PEPQA's proceedings are indexed by **IEEE Xplore**.

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