PEPQA
Power Electronics & Power Quality Applications

3rd Workshop
May 31 to June 2, 2017
Bogotá, Colombia

Submit your technical research works for PEPQA 2017

- Proceedings are going to be indexed by **IEEE Xplore**, and they will be submitted to **SCOPUS** and **Thompson's Conference Proceedings Citation Index**.
- Top papers presented at this Conference will be eligible for review for inclusion in the **IEEE Transactions on Industry Applications** or the **Industry Applications Magazine**.
- Paper submission deadline: **February 27, 2017**

Dear colleagues,

We have the pleasure of sharing our first distinguished keynotes for PEPQA 2017. In this version, **Dr. Josep Guerrero** and **Dr. Surya Santoso** are going to provide unique knowledge and perspectives about power electronics and power quality trends in current and future power systems. As a matter of fact, the unprecedented participation of these outstanding engineers is going to lead to an enlightening experience for professionals and researchers in our region. Please stay informed on our website and social networks to access more exciting news.

Josep M. Guerrero Ph.D.

Professor at the Aalborg University, Denmark.

Dr. Guerrero has been recognized and awarded as a prominent researcher and highly cited author. His research interests are oriented to different microgrid aspects, including power electronics, distributed energy-storage systems, hierarchical and cooperative control, energy management systems, and optimization of microgrids and islanded minigrids. Dr. Guerrero has published over 300 journal and 200 conference articles. In all, his publications have been cited over 17000 times. Dr. Guerrero was elected fellow member of the Institute of Electrical and Electronics Engineers (IEEE) for “contributions to distributed power systems and microgrids.”

Surya Santoso Ph.D.

Professor at The University of Texas at Austin, USA.

Dr. Santoso co-authored the most authoritative book in power quality studies, Electric Power Systems Quality, now in its third edition and is the sole author of a college textbook on the same subject, Fundamentals of Electric Power Quality. His research interests lie in the broad area of electric power quality and wind power integration. He has published over 90 journal and 90 conference articles and holds 5 patents. In all, his publications have been cited over 8000 times. Dr. Santoso was elected fellow member of the Institute of Electrical and Electronics Engineers (IEEE) for “contributions in automated root cause analysis of electric power quality disturbance phenomena.”

The 3rd International **IEEE Workshop on Power Electronics and Power Quality Applications** will be held on **May 31 to June 2, 2017**, at Universidad de los Andes, Bogotá, Colombia.

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.

Do you want to have an overview of the technical content in previous versions? Check our Mendeley group to get all the titles and abstracts of PEPQA's technical papers: PEPQA at Mendeley

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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 **IEEEXplore**, **SCOPUS**, and **Thomson's Conference Proceedings Citation Index** among others.

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 polices*
- 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

Paper submission deadline: February 27, 2017

Acceptance notification: April 10, 2017

Camera-ready: April 28, 2017

Conference: May 31 – June 2, 2017

Click here for further details and submission

PEPQA Committee recommends using the templates available here, and to follow the IEEE editing guidelines here. Other details are reported in the call for papers available on the conference website www.pepqa.com.co

We will appreciate if you please share this message with your colleagues who are interested or involved in power electronics and power quality research.

Best regards,

PEPQA - Organizing Committee
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Patrons

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