

General Chair

Mark Dehong Xu
Zhejiang University, China

General Co-Chairs

Frede Blaabjerg
Aalborg University, Denmark
Juan Carlos Balda
University of Arkansas, USA

International Steering Committee

Chair

Liuchen Chang
University of New Brunswick, Canada

Technical Program Committee

Chair

Juan Carlos Balda
University of Arkansas, USA

Co-Chairs

Simon Ang
University of Arkansas, USA
Edilberto Hall Mitre
Universidad Tecnológica de Panamá
Tsuyoshi Funaki
Osaka University, Japan
Alexis Kwasinski
University of Texas at Austin, USA
Udaya Madawala
The University of Auckland, New Zealand
Marco Liserre
Aalborg University, Denmark
Sudip Mazumder
University of Illinois at Chicago, USA
Martin Ordóñez
University of British Columbia, Canada
Yaosuo Xue
Siemens, USA
Ahmed Zobaa
Brunei University, United Kingdom

Local Arrangements Chair

Alan Mantooth
University of Arkansas, USA

Treasurer

Roy McCann
University of Arkansas, USA

Publication Chair

Enrico Santi
University of South Carolina, USA

Sponsored By:

IEEE Power Electronics Society (PELS)

Hosted By:

GRAPES (GRid-Connected Advanced Power Electronic Systems) NSF I/UCRC

Contact Information

Website: <http://www.pedg2013.org>
Email: pedg2013@uark.edu
Mailing address: PEDG2013
GRAPES Center
University of Arkansas
2055 S. Innovation Way
Fayetteville, AR 72701

IEEE PEDG 2013

John Q. Hammons Center

Rogers, Arkansas, U.S.A., July 8 – 11, 2013

CALL FOR PAPERS

<http://www.pedg2013.org>



Following on the successes of the three international symposia devoted to the technological advances in power electronics and distributed generation, the 4th International Symposium on Power Electronics for Distributed Generation Systems (PEDG2013) will be held **from July 8th to July 11th in Rogers, Arkansas, USA**. The venue is easily accessed through direct flights from a number of large airports in the USA. This international symposium sponsored by the IEEE Power Electronics Society will provide a venue for experts to present the state-of-the-art in power electronics and distributed generation (DG) systems. The symposium, whose working language is English, will feature keynote speeches and regular technical sessions on theory, analysis, design, test and deployment related to power electronics for distributed generation and renewable energy systems.

Submission of Papers: Prospective participants are invited to submit electronically an extended abstract of their work. The document should be in English, and should be a single column and not exceed 1500 words. The abstracts will be subject to a peer review process. The submission instructions and symposium information are posted on the symposium website (www.pedg2013.org). Presented papers will be archived in IEEE Explore. Technical papers are sought on the following topics:

Track I: Sustainable Energy Systems based on Power Electronics

1. Applications of combined heat and power generators, fuel cells, marine energy systems, microturbines, photovoltaic systems, small hydro units, wind energy systems, energy harvesting, etc.
2. Energy storage, energy management, and hybrid energy systems
3. Islanding detection, safety protection and standards of DG systems
4. Smart grids, ac and dc micro-grids, demand response control and power system applications including plug-in hybrid electric vehicle applications

Track II: Components and Modules for Sustainable Energy Systems

1. New power semiconductor devices including high temperature operation
2. Power modules including high temperature operation

Track III: Power Converters for Sustainable Energy Systems

1. High efficient power converters interfacing DG and renewable energy systems to utility grids; includes power quality and high voltage and high power converters
2. Ground current suppression, dc injection suppression and EMI filter design
3. Technical challenges and barriers of power electronics for DG systems

Track IV: Advances in Materials for PV Systems

1. PV materials for grid-connected PV systems including thermoelectrics

Important Dates:

Deadline for abstract and digest submission: March 1, 2013 (extended abstract)

Notification of acceptance: April 10, 2013

Deadline for final manuscripts: May 31, 2013 (8 pages)

