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CONTACT

PEDG2015
c/o E.ON ERC, RWTH Aachen University
Mathieustraße 10
52074 Aachen, Germany
www.pedg2015.org
info@pedg2015.org

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PEDG2015

THE 6th INTERNATIONAL SYMPOSIUM ON POWER ELECTRONICS FOR DISTRIBUTED GENERATION SYSTEMS

Call for papers

Aachen, Germany | 22nd – 25th June 2015 | www.pedg2015.org

With the "Energiewende" (Energy Transition) towards more renewable and distributed generation in the power system ongoing, the 6th International Symposium on Power Electronics for Distributed Generation Systems (PEDG2015) will be held from the 22nd – 25th June 2015 in Aachen, Germany. The venue is easily accessible by air via Frankfurt, Düsseldorf, Cologne and Brussels and connecting high-speed trains to Aachen.

This international symposium, sponsored by the IEEE Power Electronics Society and organized by the PELS Technical Committee on Sustainable Energy Systems, will provide a venue for experts to present the state-of-the-art in power electronics and distributed generation (DG) systems. The symposium will feature keynote speeches, tutorials and regular technical sessions on theory, analysis, design, testing and deployment related to power electronics for distributed generation and renewable energy systems. ALL PAPERS IN PEDG2015 WILL APPEAR IN IEEE XPLORE AND WILL BE LISTED IN THE EI COMPENDEX. THERE WILL BE THREE BEST PAPER AWARDS AS SELECTED FROM THE FULL PAPER SUBMISSIONS.

SUBMISSION OF PAPERS

Prospective participants are invited to electronically submit an extended abstract of their work. The document should be in English, and should be single-column double-spaced and not exceed 5 pages. The abstracts will be subject to a peer-review process. Detailed submission instructions and symposium information will be posted on the symposium website. Technical papers are sought on the following topics:

Track 1: Power Electronics in Distribution Systems

- Wind farms, PV farms, wave energy systems, co-generation
- Ac vs. dc distribution, smartgrid, micro/nano-grid
- Power devices, inverters, power quality, control
- Highly efficient power conversion for DG and renewable power systems

Track 2: Power Electronics for Sustainable Sources

- PV, wind, CHP, wave, fuel cells, others
- Power components, dc-dc & dc-ac converters
- Control, communication and monitoring of renewable energy systems

Track 3: Power Electronics for Energy Storage systems (stationary and mobile)

- Batteries, ultracapacitors, fuel cells, hybrid storage
- Bidirectional dc-dc converters, charge controllers
- Plug-in hybrid electric vehicle applications

LOCATION

Aachen is situated directly on the border with Belgium and the Netherlands. It is Germany's most westerly city, with a population of nearly 260,000. Approximately 41,000 students (57% engineering students) attend RWTH Aachen University. The tutorials will be organized at the new RWTH CAMPUS, with opportunity to visit the laboratory of E.ON Energy Research Center and Center for Wind Power Drives.

LANGUAGE

The working language of the conference will be English.

SOCIAL PROGRAM

A social program will be provided for participants and accompanying persons as an opportunity to get better acquainted with Aachen City and historic sites in the near vicinity. A full program of daytime activities is in planning for accompanying persons.

DEADLINES

Extended abstract submission : 31st January 2015
Notification of acceptance : 4th April 2015
Final manuscripts : 9th May 2015

