



About the Eindhoven Region

With a population of 220.000 the city of Eindhoven is the fifth largest city in the Netherlands and the largest in the southern Netherlands. The closest big cities are Antwerp (Belgium) and Düsseldorf (Germany), the Dutch capital Amsterdam is 125 km away. Train distance from the national Dutch airport Amsterdam-Schiphol is 1.5 hours, and Eindhoven itself also has the internationally-oriented Eindhoven Airport.

Brainport Eindhoven region has become one of the leading technology hotspots in Europe, which is a breeding ground for innovation and the home base for companies and world-class knowledge and research institutes. Many top international high-tech companies are located in Eindhoven. The economic success of Eindhoven Region is the result of unique cooperation among industry, research and government. In this triple helix, Eindhoven University of Technology is the driving force in knowledge development.

Eindhoven offers excellent social and cultural facilities. There is a top swimming pool, the PSV football stadium, the Van Abbe museum, the Philips museum and a wide range of other museums, art galleries, concert halls, theatres, and places of entertainment. Numerous bars, pubs and restaurants lend the town center the pleasant and lively air of a big city. This liveliness along with the exuberant Brabant way of life ensure that Eindhoven is a great place to be.



ORGANIZED BY EINDHOVEN UNIVERSITY OF TECHNOLOGY



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Towards Future Power Systems and Emerging Technologies

ORGANIZED BY EINDHOVEN UNIVERSITY OF TECHNOLOGY



29 JUNE - 2 JULY 2015

EINDHOVEN, THE NETHERLANDS



Invitation

On behalf of the IEEE/PES PowerTech International Steering Committee and the Local Organizing Committee we invite you to attend the 2015 edition of the biannual IEEE PowerTech conference to be held in Eindhoven, the leading technology hotspot and high-tech innovation center of the Netherlands.

This event will continue the tradition of past PowerTech conferences organized in Athens, Stockholm, Budapest, Porto, Bologna, St. Petersburg, Lausanne, Bucharest, Trondheim and Grenoble. PowerTech is the anchor conference of the IEEE Power & Energy Society in Europe. It provides a forum for scientists and engineering professionals active in various segments of the electrical power engineering industry and academia to network, exchange ideas and discuss results of their scientific and innovative work in the energy field.

Especially young practicing engineers, researchers and students wishing to publish their work are encouraged to attend the event. Sponsored accommodation rooms will be made available for a limited number of students during the conference. Requests should be accompanied by a motivation letter.

The event is sponsored by IEEE, PES and TU/e and will be organized by the Faculty of Electrical Engineering of Eindhoven University of Technology, with support from the IEEE Joint IAS, PELS & PES Benelux Chapter.

Paper Award

Student participation in PowerTech is an important ingredient toward the event's success, therefore the Basil Papadias Award is presented to the author of the best student paper.

Author Information

The authors are invited to submit extended abstracts (3 pages with main results, figures and references) in pdf format via the electronic submission system accessible from the conference website. Instructions and full information will be posted on the PowerTech 2015 website.

Accepted papers will be published in IEEEExplore if at least one author is registered (in compliance with IEEE rules) and the paper is presented at the conference.

Authors of accepted IEEE Transaction papers that wish to present their work at PowerTech 2015 are also invited to submit an abstract and indicate the full paper title and Transaction journal name and issue.

powertech2015-eindhoven.tue.nl

Main Topics

- Developments in power system planning
- Power system operation and real-time control
- Power systems modeling, simulation, and analysis
- Network protection and distribution automation
- Smart grids as cyber-physical systems
- Integration of renewable energy sources
- Advanced diagnostic and monitoring techniques
- State estimation and situational awareness
- Applications of storage technologies
- Electric vehicle prospects and network interaction
- Power quality issues and mitigation techniques
- New energy conversion and (hybrid AC/DC) distribution technologies
- Electromagnetic compatibility and transient behavior of new grid architectures
- Smart metering, demand side management and demand response
- Smart energy systems in the built environment
- Electricity markets design and regulatory issues
- Power system interoperability, standards and codes

Conference Chair

Prof. Wil L. Kling, Faculty of Electrical Engineering, Eindhoven University of Technology, The Netherlands

Local Organizing Committee

General Secretary:	Peter Wouters
Program & Paper Review:	Phuong H. Nguyen
Public Relations:	Madeleine Gibescu
Treasurer:	Meliha Kurtic-Brajic
Secretary:	Annemarie van de Moosdijk

Important Dates

31 October 2014	Extended abstract submission
15 December 2014	Notification of acceptance
28 February 2015	Full paper submission
15 April 2015	Final acceptance of full papers
29 June – 2 July 2015	Conference

International Steering Committee

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