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Conference secretariat:

Conference Venue

Norwegian University of Science and Technology (NTNU) in Trondheim.

Web Site of the Conference

Keep up to date on the conference by visiting Trondheim

PowerTech 2011 home page:

<http://ewh.ieee.org/conf/powertech/2011/>



Statnett



Trondheim PowerTech 2011

– The Power of Technology for a
Sustainable Society



Trondheim, Norway 19–23 June, 2011

CALL FOR PAPERS

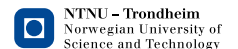
Sponsored by:

IEEE Power & Energy Society

Organized by:

Norwegian University of Science Technology (NTNU),

IEEE PE Norway Chapter



Invitation

On behalf of the International Steering Committee and the Local Organizing Committee we invite you to attend the IEEE Trondheim PowerTech 2011. This Conference will continue the tradition of the PowerTech Conferences held in odd years in Bucharest, Athens, Stockholm, Budapest, Porto, Bologna, St. Petersburg and Lausanne.

PowerTech is the anchor conference of the IEEE Power & Energy Society in Europe. It is intended to provide a forum for scientists and engineers interested in electric power engineering to share ideas, results of their scientific work, to learn from each other as well to establish new friendships and rekindle existing ones.

The PowerTech Conference provides a bridge between generations. The interest from enthusiastic young practicing engineers and PhD students wishing to publish their work increased from event to event. The most valuable IEEE student work is acknowledged with the Basil Papadias award, which also has been an important ingredient towards the success of the conference.

The event is sponsored by the IEEE Power & Energy Society and will be organized by Norwegian University of Science Technology (NTNU), SINTEF Energy Research and IEEE PE Norway Chapter

To the authors

The authors are invited to submit electronically the extended abstracts (3 pages with main figures and references) in pdf format until 1 November 2010, by using the PowerTech 2011 website. Instructions and full information on the conference will be posted on the conference website. Accepted papers will be published in *IEEEExplore* if at least one author registers (at the full registration rate) AND the paper is presented at the Conference.

Important dates

1 November 2010	Extended abstracts submission
15 December 2010	Notification of acceptance of extended abstracts
28 February 2011	Full papers submission
4 April 2011	Final acceptance of full papers
19-23 June 2011	Conference

Preferred Topics

The conference welcomes papers on the following main topics:

- Restructuring of the electricity industry and transnational networks
- Planning and operation of power systems under market conditions
- System services in deregulated markets
- Renewable energy sources and storage devices
- Integration of distributed generation in the main grids
- Demand side management
- Energy efficiency
- Developing the concept of "smart grids"
- Power system dynamics, stability and control
- Power electronics, including FACTS and HVDC
- Cascading emergencies and blackouts: preventive and corrective actions
- Electromagnetic compatibility/Power quality
- Lightning and electromagnetic transients
- Artificial intelligence techniques in power systems
- Power system instrumentation, measurements and automation
- Diagnostics and reliability
- Electrical insulation
- Power system protection
- Power system communication
- Wide area monitoring and control systems

Awards and publications

In the honour of the PowerTech Conference founder, the Basil Papadias award will be presented to the best student paper.

All papers presented will be published in the CD proceedings and will become available after the Conference through *IEEEExplore*. High quality papers will be selected for publication in the IEEE PES Transactions.

About Trondheim

Trondheim is a thriving city and centre of knowledge with a highly respected university, many popular colleges and a research community ranking among the best in Europe. Founded by the Viking King Olav Tryggvason in 997, Trondheim holds a special place in Norwegian history and culture. Today this heritage, combined with our high academic traditions, makes Trondheim an ideal city for work, investment, research, industry and commerce. Trondheim is the third largest town in Norway with approximately 160 000 inhabitants.

Trondheim offers many tourist attractions and is also well suited as a starting point for regional trips and tours to Norway, Sweden and Finland. When you visit Trondheim, you will notice:



- The river winding slowly around the city's downtown district and the old wharves along the mouth of the river
- The majestic Nidaros cathedral
- The wide streets
- The tall column with the statue of Olav Tryggvason the Viking king in the middle of the town square
- The old town bridge ("Gamle Bybro") with its carved gates
- The wooden houses in the downtown and Baklandet districts

Situated in central Norway, Trondheim is easily accessible whatever your choice of transportation. By plane you will land at Trondheim's modern airport at Værnes (32 km from the city). If you come by train from Oslo you can relax and look at the unique Norwegian countryside. If you are coming from the south of Norway you can drive through the majestic Dovre mountains. Another special way to visit Trondheim is by the coastal express which will give you a chance to experience Norway's special and beautiful coast. Read more at

<http://www.kystopplevelser.no/>.



From Trondheim you can also take a trip by ferry or catamaran to the Fosen Peninsula, visit the islands of Hitra and Frøya or the city of Kristiansund, some 200 km south-west of Trondheim.

More information about Trondheim can be found at:

<http://www.trondheim.no/engelsk/>