



## Newsletter

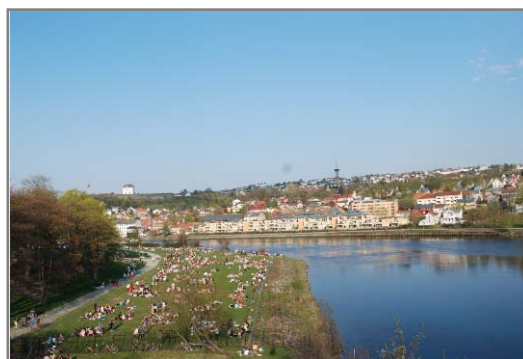
### IEEE PES Trondheim PowerTech 2011

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#### List of full papers available on web site

The list of full papers is now available on our web site <http://ewh.ieee.org/conf/powertech/2011/> under “Preliminary program”.

There will be a total number of 367 papers presented on the conference. More than 300 will be presented in 4 panel sessions and over 50 technical sessions, while a little more than 60 papers will be presented in two poster sessions on Tuesday and Wednesday morning.



#### Technical tour to Smøla Wind Park

There will be a one-day guided tour to the Smøla wind farm on Wednesday 22<sup>nd</sup> of June.

Smøla Wind Farm is a 68 turbine wind farm located in the municipality of Smøla in Møre og Romsdal county, Norway and operated by Statkraft. The farm covers an area of 18 square kilometers (6.9 sq mi). Total installed capacity is 20 x 2.0 MW (phase one) plus 48 x 2.3 MW (phase two). The maximum production capacity is 150 MW and total generating capacity is in average 450 GWh per year, making Smøla the largest wind farm in the country and the largest onshore wind farm in Europe.



## Technical tour to Leirfossen hydro power plants

There will be a half day guided tour to the Leirfossene hydro power plants close to Trondheim on Tuesday 21<sup>st</sup> of June

The “Leirfossene” power plant is an underground run-of-river plant in the Nidelven river, close to Trondheim. The plant was commissioned in 2008. It has a head of 60 m, a tunnel of 1.6 km, a maximum discharge of 80 m<sup>3</sup>/s, with a rated capacity of 45 MW. Leirfossene represents a typical state-of-the-art Norwegian hydro plant. Apart from representing interesting technological history, they also have a wonderful architecture.



For more information on the technical tours, see under Tours on our web site.

Registration information for the technical tours: if you have already registered, choose “Edit your registration” under registration. Otherwise you can book the tour during registration.

## Opening Session

The conference will open with a plenary opening session on Monday morning. There will be welcome addresses from among others the Norwegian Deputy Minister of Oil and Energy and IEEE PES President Alan Rotz. After that we have been lucky to attract keynote speeches from three high level people:



**Konstantin Staschus, Secretary General of ENTSO-E**

“Perspectives for development of the European Grid on the background of EU 2020 and market integration”



**Arthouros Zervos, President of the European Wind Energy Association**

“Integration of wind power in the European power system”



**Øivind Rue, Executive Vice President of the Norwegian TSO, Statnett**

“Experience with the operation of HVDC interconnections”

## Panel sessions

There will be 4 panel sessions with highly relevant themes:

**Monday afternoon: Implementation Experience and Research Outlook on Applications of Synchronized Phasor Measurements and Supporting Infrastructures**  
Chair: Luigi Vanfretti, KTH, Co-chair: Kjetil Uhlen, NTNU

**Tuesday morning: Smart grid as seen from power electronics field**  
Chairs: Paolo Tenti, University Of Padova  
Jian Sun, Rensselaer Polytechnic Institute

**Tuesday afternoon: The future electricity grid of Europe  
Special session with research projects from EU's 7th Framework Programme**  
Chair: Bjørn H. Bakken, SINTEF Energy Research

**Wednesday morning: North Sea Grid**  
Chair: Olimpo Anaya-Lara, Strathclyde University / NTNU

We look forward to meeting you all in Trondheim!

*Gerard Doorman*

professor / conference chair



Statkraft

Statnett



ABB

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