

First Announcement and Call for Papers

NORDAC 2012

Tenth Nordic Conference on

Electricity Distribution System Management and Development

**Espoo, Finland
10-11 September 2012**



ELFORSK

ELFORSK – SWEDISH ELECTRICAL
UTILITIES' R&D COMPANY



In cooperation with



Aims and scope

One of the main future challenges for the entire energy sector will be making substantial reductions in emissions of greenhouse gasses while ensuring a secure supply of energy at a reasonable cost. EU has launched its 2020 targets (20% cut in emissions, 20% improvement in energy efficiency and 20% increase in renewables) as a very important part of the solution.

The distribution system is expected to play a key role as further generation is implemented at the distribution level; changes in the consumption pattern due to electric vehicles, heat pumps, energy efficiency and Demand Response enabled by smart metering etc. will require large investments to facilitate future needs. Utilities as well as academia play a very important role in the development and implementation of intelligent solutions. The future electricity distribution system must be smarter !

The NORDAC 2010 conference will give participants the possibility to discuss these and other future challenges and solutions, as well as disseminate experiences regarding technical, economic and regulatory issues.

The conference covers the following areas:

- 1. Distribution system development and operation**
- 2. Asset management**
Aging infrastructure management – Maintenance – Life time estimation – Risk management
- 3. Generation at the distribution level**
Prospects and consequences of generation at the distribution level – Micro generation.
- 4. Regulation of DSOs**
Regulatory issues – Trends – Challenges
- 5. Quality of supply and EMC**
- 6. Distribution automation**
Distribution utility ICT - Applications – SCADA– Control – Protection
- 7. Active grids – Active loads – Active Customers - Prosumers**
- 8. Electric vehicles**
Technology – Connection issues – Impact on load profiles
- 9. Smart metering**
Automatic meter management – Demand Response – DSM
- 10. Distribution network components**
Design and technology innovation – Components in future power systems
- 11. Energy Efficiency**
Local energy planning – Environmental aspects – Sustainability
- 12. Multi utility**
New business models – Management of parallel infrastructures

NORDAC provides a forum where the electricity distribution community and industry meets. The participants will meet colleagues from the other Nordic countries and the Baltics for discussions of existing practises and important future challenges.

The organisers need your valuable contribution to ensure that the forthcoming conference will be as successful as the nine previous events. All aspects of research and development in the electricity distribution sector will be welcomed, both papers with scientific as well as practical engineering considerations.

The conference will offer:

- Keynotes covering the main topics
- Presentation and discussion of papers
- Social programme

Contributions

Prospective authors are invited to send a synopsis of their proposed paper by email to any member of the organising committee (see list at the bottom) by 19 March 2012. Please refer your contributions to one of the cover areas listed above.

In cooperation with CIRE

*Cired - International Conference on Electricity Distribution- is the leading forum where the international electricity distribution community meets. CIRE**D works for the purpose of increasing the business relevant competencies, skills and knowledge of those participating in CIRE**D's activities. CIRE**D offers a biennial conference and exhibition where developments and best practices in technology and management of the technical side of electricity distribution are presented. Between conferences CIRE**D may organise specific Working Groups on current subjects of key interest to the electricity distribution community.*

Information available at www.cired.net

The next event will be held in Stockholm, Sweden on 10-13 June 2013

Primary target groups

Focus will be on future challenges and possibilities for the Nordic distribution utilities. Therefore the primary target groups are:

- Distribution network operators
- Distribution network owners
- Distribution network service providers
- Research scientists
- Students
- PhDs
- Manufacturing industry, suppliers
- Consultants
- Software companies
- Authorities
- Regulators

Preliminary timetable

Submit a summary of the proposed paper (200 words)	19	March	2012
Notification of acceptance	30	March	2012
Deadline for full papers	31	May	2012
Deadline for registrations	23	August	2012
Date of conference	10-11	September	2012

Working Language

The official language for the conference is English.

Final Programme

The final programme will be issued in April 2012.

Internet announcement

News about the conference can be found on <http://www.nordac.net>

Venue

The conference will be organised by Aalto University, School of Electrical Engineering. <http://electronics.tkk.fi/en/> The conference location is conference center Dipoli, Otakaari 24, Otaniemi, Espoo. <http://dipoli.aalto.fi/kokouspalvelut/english/index.html> Dipoli is at the campus of Aalto University and just a few hundred meters from Radisson Blu Hotel Espoo.

Accommodation

Rooms have been reserved at Radisson Blu Hotel Espoo under the code **NORDAC2012**. Price per night is 132 € for single and 152 € for double room. Hotel is in walking distance from the conference venue, for details, see: <http://www.radissonblu.com/hotel-espoo>

Reservations can be made by email: reservations.finland@RadissonBlu.com or by phone +358 20 1234 700. The availability of rooms is guaranteed till 6.8.2012 at 6 p.m. Rooms are paid directly to the hotel either by cash or credit card. The guests have full responsibility for their contract with the hotel including possible damage to the hotel property.

Organisers

The conference is being organised by the national research institutes or organisation responsible for research and development in the Nordic countries. Any inquiry should be communicated to the respective member of the organising committee, which consists of:

Sven Jansson
Elforsk AB
S-101 53 Stockholm
Tel: + 46 8 677 27 32
Fax: + 46 8 677 25 35
Email: sven.jansson@elforsk.se

Kjell Sand
SINTEF Energy Research
N-7465 Trondheim
Tel: + 47 73 59 71 84
Fax: + 47 73 59 72 50
Email: kjell.sand@sintef.no

Matti Lehtonen
Aalto University
School of Electrical Engineering
Department of Electrical Engineering
P.O. Box 13000
FI-00076 Aalto, Finland
Tel: + 358 9 470 254 84
Fax: + 358 9 470 250 12
Email: matti.lehtonen@tkk.fi

Morten Møller Jensen
c/o Danish Energy Association, DEFU
Rosenørns Allé 9
DK-1970 Frederiksberg C
Tel: + 45 35 300 770
Fax: + 45 35 300 771
Email: nordac@danskenergi.dk

Magni Thor Palsson
c/o Samorka
Sudurlandsbraut 48
IS-108 Reykjavik
Tel: +354 5639437
Fax: +354 5639448
Email: magnip@landsnet.is