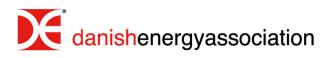
**First Announcement and Call for Papers** 

# **NORDAC 2012**

**Tenth Nordic Conference on** 

# **Electricity Distribution System Management and Development**

Espoo, Finland 10-11 September 2012





ELFORSK – 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

 Generation at the distribution level Prospects and consequences of generation at the distribution level – Micro generation.
Regulation of DSOs Regulatory issues – Trends – Challenges
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 CIRED

**Cired** - International Conference on Electricity Distribution- is the leading forum where the international electricity distribution community meets. CIRED works for the purpose of increasing the business relevant competencies, skills and knowledge of those participating in CIRED's activities. CIRED 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 CIRED 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	19	March	2012
(200 words)	20	Marah	2012
Notification of acceptance	30	March	
Deadline for full papers	31	May	2012
Deadline for registrations	23	<u> </u>	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

### <u>Venue</u>

The conference will be organised by Aalto University, School of Electrical Engineering. <u>http://electronics.tkk.fi/en/</u> The conference location is conference center Dipoli, Otakaari 24, Otaniemi, Espoo. <u>http://dipoli.aalto.fi/kokouspalvelut/english/index.html</u> 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  $132 \in$  for single and  $152 \in$  for double room. Hotel is in walking distance from the conference venue, for details, see: <u>http://www.radissonblu.com/hotel-espoo</u>

Reservations can be made by email: <u>reservations.finland@RadissonBlu.com</u> 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:

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