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Industrial Electrical Engineering and Automation
Dr. Olof Samuelsson
Associate Professor

2013-12-02

Event on Renewables Integration in Lund 16-17 December 2013

Welcome to two days dedicated to network integration of renewable energy sources!

On Monday 16 December Ph.D. candidate Ingmar Leisse, defends his dissertation “Efficient Integration of Distributed Generation in Electricity Distribution Networks – Voltage Control and Network Design”.

In his thesis Ingmar Leisse shows how the voltage in distribution networks can be controlled to permit efficient connection of more wind turbine generators or PV units. New electricity meters form a vital resource in the work, which has been evaluated in cooperation with E.ON Elnät using both simulations of existing networks and a pilot installation in Småland.

In connection with the Ph.D. defense I take the opportunity to also arrange a half-day seminar on network integration of renewable energy sources on Tuesday 17 December. The seminar is supported by the Swedish IEEE PE/PEL Chapter.

The seminar program on the next page, campus map, addresses and other additional information can be found at <http://www.iea.lth.se/seminars/resintegration>

Documentation

The thesis can be downloaded from <http://www.lu.se/lup/publication/4157244> while the presentations will be available at the seminar website after the seminar.

Seminar registration

Please register for the seminar and mention any dietary requirements no later than 11 December by phone to 046-2229290 or e-mail to Carina.Lindstrom@iea.lth.se.

The seminar is free of charge, but there is a no-show charge of 500 SEK.
There is no registration for the Ph.D. defense.

Welcome!

Olof Samuelsson



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Monday 16 December PhD defense in M-building (Ole Römers väg 1), room M:B

13.15 *Ingmar Leisse* presents his dissertation *Efficient Integration of Distributed Generation in Electricity Distribution Networks – Voltage Control and Network Design*

External examiner: *Prof. Sami Repo*
Examination committee: *Prof. Ola Carlson*
 Assoc. prof. Birgitte Bak Jensen
 Prof. Lennart Söder
 Dr. Daniel Karlsson (backup)

Tuesday 17 December Seminar in E-building (Ole Römers väg 3), room E:1406

Registration

- 9.00 Welcome
Olof Samuelsson, Lund University
- Efficient Network Integration of DG – Voltage Control and Network Design
Ingmar Leisse, Lund University, Lund, Sweden
- Active Distribution Networks
Sami Repo, Tampere University of Technology, Tampere, Finland
- Market challenges in the future Nordic power system
Lennart Söder, Royal Institute of Technology, Stockholm, Sweden
- Coffee
- The work of integration of wind power at Chalmers
Ola Carlson, Chalmers, Göteborg, Sweden
- Way forward to an active DSO
Alf Larsen, E.ON, Malmö, Sweden
- FLECH - a market place for DSO services
Lars Henrik Hansen, DONG Energy, Copenhagen, Denmark
- Big Data – Enabling the Integration of RES, DER, DR and Microgrids
Lawrence Jones, Alstom Grid Inc., Washington, USA
- 12.30 Lunch across the street in Kårhuset, John Ericssons väg 3