



Workshop on Digitization in Power Transmission

Center for Electric Power and Energy, DTU Elektro, Technical University of Denmark

Tuesday, 28th November 2017, 9.00 – 15.00

Energinet and Center for Electric Power and Energy at DTU invites you to participate in a workshop on digitization of the power transmission infrastructure. We will gather significant resources from utilities, industry and academia to answer the following questions:

- What are the trends within digitization and automation of power transmission?
- How do TSO strategies address digitization?
- What are the possibilities offered by digitization and how will digital technology change the way we plan and operate transmission systems?
- How can the universities research and educations support the development?

Please join us for a one-day session at the premises of our recently inaugurated, state-of-the-art research facilities in PowerLabDK in Kgs. Lyngby, Denmark and learn about digital substations, applications of big data in power transmission and strategies, which include digitization in power transmission.

Program: (Tentative)

- 09:00 – 09:15 **Welcome** by Jacob Østergaard, Professor and Head of Center for Electric Power and Energy
- 9:15 – 10:00 **Digitization of the Danish Transmission Grid – Ambition, direction and initiatives** by Bjarne Christian Gellert, Director, Engineering, Energinet and Anders Steen Kristensen, Chief Engineer, Engineering, Energinet
- 10:00 – 10:30 **Project: Digital Substation** by Nargis Hurzuk, Statnett, Norway
- 10:30 – 10:45 **Break**
- 10:45 – 11:15 **Prospects of digitization for power and energy systems** by Pierre Pinson, head of Energy Analytics and Markets Group, CEE
- 11:15 – 11:30 **Presentation of PowerLabDk** by Frida Frost, Head of PowerLabDk
- 11:30 – 13:00 **Poster session*, tour in PowerLabDk and Lunch buffet**
- 13:00 – 13:30 **'TBC'** by IBM (tbc)
- 13:30 – 14:00 **'Digital Substation – A Comprehensive Concept to Leverage the Benefits of Digitalization'**, by Siemens A/S (tbc)
- 14:00 – 14:30 **How do we equip engineers with the necessary competences to support the future digitalized grid?** Joachim Holbøll, Professor, CEE

Location: DTU Elektro Center of Electric Power and Energy Elektrovej, Building 329A, ground floor 2800 Kgs. Lyngby, Denmark	Registration at: www.conferencemanager.dk/digipower
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In case of questions please contact: Jakob Glarbo Møller, jglmo@elektro.dtu.dk

* Do you want to contribute with a poster? See next page.

Poster contributions

At the workshop, there will be a poster session, where the participants have the possibility to show their own solutions and interact with other colleagues.

We run this without too many formalities, but we do provide the following guidelines:

All relevant contributions are welcome

Registration of posters should be done under the category "Presenter (Poster)"

If you have special requests, (e.g. if you need a power outlet) please send an email to Jakob Glarbo Møller. We cannot promise to meet all requests but we promise to do our best.

Please limit your space requirements to a total width of 120cm so there is room for everyone.

The deadline for registration of posters is Thursday the 23rd of November.

In case of questions please contact Jakob Glarbo Møller