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Transmission-Distribution interfaces, markets, and flexibility

February 15, 2022 at 09.00-11.00 EST / 15.00-17.00 CET

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Agenda

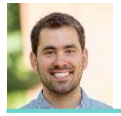
Traditional transmission system planning, operations, and whole-sale markets are being **challenged by an increasing penetration of dispatchable distributed energy resources** and other flexible behind-the-meter assets in low-voltage distribution networks.

This confluence of controllable assets at the T&D interface will require greater **cooperation between transmission and distribution system operators** and **new tools and technologies for ensuring reliability, resilience, and economic efficiency.** At the core of these challenges will be aggregation, coordination, market and control-based mechanisms for direct or indirect activation of flexible assets that support both local (distribution) and system-wide (transmission) objectives.

Thus, this webinar will present Danish and US-based energy innovators from industry and academia on the topic of **Transmission-Distribution interfaces, markets, and flexibility** to support system integration of renewable energy.

Torben Orla Nielsen, Science Attaché
Innovation Centre Denmark Boston

Jakob Stoustrup, Professor, Associate Dean for Research, Aalborg University
Moderator



Mads R. Almassalkhi, Ass'c Prof. at University of Vermont, Chief Scientist at PNNL and Otto Mønsted Vis. Prof. at DTU Elektro
"Indirect Control of Distributed Assets to provide System Flexibility"

Fei Ding, Senior Research Engineer, NREL
"TBA"

Dr. Emily Barrett, Senior Power Systems Research Engineer, Resilience Team Leader at Pacific Northwest National Laboratory (PNNL)
"Electricity infrastructure for a decarbonized, electrified energy system "

Stephanie Crocker Ross, Grid Strategist at Green Mountain Power Inc
"Harnessing the Flexibility of Loads and Storage in Vermont -- Lessons and Next Steps"

Giulia De Zotti, Project Lead – New Market/Trading Development at Ørsted A/S
Henrik Madsen, Head of section, DTU Compute
"'Utilising flexible resources in future power system operation: Ancillary Services 4.0'"