

Renewable Energy Grid Integration Week

E-Mobility | Solar & Storage | Wind

organized by energynautics



VIRTUAL
&
ON-SITE!

27 - 30 SEP
2021

 BERLIN
GERMANY

LECTURERS OF THE TUTORIAL



Debbie Lew (ESIG, USA)

Debbie is the Associate Director of the Energy Systems Integration Group, a member-driven organization focused on decarbonization of energy systems. Her background is in wind, solar and distributed energy resource integration with a focus on 100% clean energy. She was previously at GE Energy Consulting, the National Renewable Energy Laboratory, including secondment to the Hawaiian Electric Company. She is the Immediate Past Chair of the IEEE Power & Energy Society's Wind and Solar Power Coordinating Committee and a member of IEA Wind Task 25. She has a PhD in Applied Physics from Stanford University and a BS degrees in Electrical Engineering and Physics from MIT.



Nicholas Miller (HickoryLedge, USA)

Nicholas Miller is Principal at HickoryLedge and a retired Senior Technical Director from GE Energy Consulting. He has over thirty years of experience on integration of new technologies into bulk power systems. He has lectured on Wind and Solar Power integration to governments and institutions in more than two dozen countries. He holds twenty US patents for wind or solar technologies, and power control devices. Nick is a Fellow of IEEE, New York Professional Engineer, and has authored over 150 technical papers and articles. He holds a B.S. and M.Eng. in Electric Power Engineering from Rensselaer Polytechnic Institute, Troy, New York, received in 1979 and 1980.



Helge Urdal (Urdal Power Solutions (United Kingdom)

Helge Urdal has worked with Transmission & Generation aspects for 45 years, in Norway briefly, mainly in GB and then the last 10 years in Europe developing Connection Network Codes. Helge, although retired, is a visiting professor in EEE at University of Strathclyde, Glasgow, Scotland. Helge has been involved in power system analysis linked to protection & control of both transmission & generation. After contributing to establish in 2005 an extension of the GB Grid Code to renewables (mainly large wind), he developed the GB approach to compliance for VRE. Helge contributed 45 years ago to commissioning of HVDC (first link Norway – Denmark) and was team leader at GEC (now GE) for the first development of SVCs in the 1970s. Helge, after 2010 as SMARTER System Performance Manager at National Grid, developed a keen interest in future challenges of low system strength leading to R&D which brought forward the Grid Forming control option.

Renewable Energy Grid Integration Week

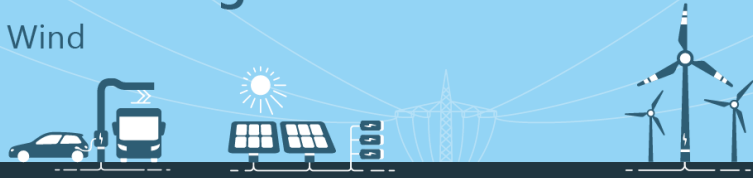
E-Mobility | Solar & Storage | Wind

VIRTUAL
&
ON-SITE!

27 - 30 SEP
2021

 BERLIN
GERMANY

organized by energynautics



LECTURERS OF THE TUTORIAL



Thomas Ackermann (Energynautics, Germany)

Thomas Ackermann Ph.D. is owner and CEO of energynautics with over 25 years of world-wide experience in the area of grid integration of renewables and electric vehicles. He provides research and consultancy services to the energy industry, especially regarding power system integration of renewable energies and innovative energy applications, as well as in the area of energy policy, i.e. deregulation of energy markets. He is frequently involved in consulting activities for government departments and electricity service providers on the matter of power system design and operation, as well as regulatory matters and grid code issues. He has successfully completed projects in Australia, Barbados, Chile, China, Costa Rica, Denmark, Germany, Estonia, Guatemala, Honduras, India, Indonesia, Japan, Malaysia, Mongolia, New Zealand, Philippines, Seychelles, Sweden, Thailand, Vietnam and USA.

In addition, he is actively involved as lecturer at Universities and within capacity building courses in the dissemination of knowledge about the integration of renewable energies into existing power systems around the world.