



## 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 Energy Consulting, GE Power. He holds a B.S. and M.Eng. in Electric Power Engineering from Rensselaer Polytechnic Institute, Troy, New York.

Nick is an internationally known power system engineer, with specialty in integration of wind and solar power to bulk power systems. He spent 3/8 of a century with GE, performing research and studies on Bulk Power System dynamics. He is an IEEE Fellow, a Licensed Professional Engineer in NY, and a Distinguished Member of CIGRE. He authored 20 US patents, has over 180 publications and is the recipient of GE's Edison Award, CIGRE's Philip Sporn Award, and the IEEE Ramakumar Medal.



### **Julia Matevosyan** (ESIG, USA)

Julia is ESIG's Chief Engineer and has more than 20 years of experience in the power industry. Prior to joining ESIG, Matevosyan was the Lead Planning Engineer of the Electric Reliability Council of Texas (ERCOT). In her time with ERCOT, she worked on adequacy of system inertial response, system flexibility, frequency control and performance issues related to high penetration levels of inverter-based generation and ancillary services market design. Julia received her BSc from Riga Technical University in Latvia, and her MSc and PhD from the Royal Institute of Technology (KTH) in Sweden.



## 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.