



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.



Helma Maria Tróndheim (Elfelagið SEV, Faroe Islands)

Helma Maria Tróndheim received the B.Sc. degree in Energy and Environmental Engineering from the University of the Faroe Islands in 2016 and the M.Sc. degree in Energy Technology with a specialization in Electrical Power Systems and High-Voltage Engineering from Aalborg University, Denmark, in 2018. In 2018 she started on a dual degree industrial PhD with Aalborg University, the University of the Faroe Islands and the Faroese Power Company SEV. The thesis was titled "Ensuring Grid Stability and Supply Reliability in a 100% Renewable Electricity Sector in the Faroe Islands" and she graduated in 2022. Since the graduation she has been employed as a researcher at the R&D Department at SEV, where she continues working on the company's vision of a 100 % renewable electricity sector by 2030. Her focus is on expansion planning and power system stability.

2023

INTERNATIONAL HYBRID POWER PLANTS & SYSTEMS WORKSHOP

ORGANIZED BY ENERGNAUTICS

23 - 24
MAY 2023

Faroe Islands



Peter-Philipp Schierhorn (Energynautics, Germany)

Peter-Philipp Schierhorn studied Electrical Engineering at the Technical University of Darmstadt and has been employed at Energynautics since 2014. Mr. Schierhorn possesses considerable expertise in transmission grid and power system global issues such as generator dispatch, electricity markets, system services and system optimization using various software tools, as well as detailed knowledge of the properties of conventional generation.

At Energynautics, he was involved in a number of studies in Central America, India and South East Asia and is experienced in working in developing countries and with small island power systems. Mr. Schierhorn has been responsible for multiple island grid studies on islands in Indonesia, Galapagos and the Bahamas. He is an expert user of HOMER Pro and DlgSILENT PowerFactory and possesses considerable expertise in the field of hybrid systems including diesel, PV and battery storage.



Nicholas Miller (HickoryLedge, USA)

Nick is an internationally known power system engineer, with specialty in integration of wind and solar generation 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 Life Fellow, a Licensed Professional Engineer in NY, and a Distinguished Member of CIGRE. He authored 20 US patents, has over 180 publications with over 7000 citations and is the recipient of GE's Edison Award, CIGRE's Philip Sporn Award, and the IEEE Ramakumar Renewable Energy Award.