



## LECTURERS OF THE WIND TUTORIAL 2017



**Andreas Linder (Enercon, Germany)**



Andreas Linder, born in 1984, studied Industrial Engineering at KIT Karlsruhe, specialized in renewable energies, did his Diploma thesis within the Smart Grid project "MeRegio" at ABB Mannheim and works since 2012 at ENERCON in Bremen within the Sales - Grid Integration team, elaborating the grid integration of wind energy in general and in particular specializing in SCADA and Control Reserve.



**Nicholas Miller (GE Energy Consulting, USA)**



Nicholas Miller is Senior Technical Director for 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.



**Bo Hesselbæk (Vestas, Denmark)**



Bo Hesselbæk, MSEE, MBA, did start his career at the Danish TSO where among others he worked with integrating wind power into the power system and developed ancillary services in relation with EU market regulations and the increase in wind production. In 2008 he joined Vestas where he managed the Power Plant Analysis department that amongst others worked with developing new ancillary services from wind power plants. Bo Hesselbæk moved in 2013 to DONG Energy Wind Power where he headed the designs the transmission system and the array system of offshore wind farm. Today Bo Hesselbæk works as Senior Director of plant product strategy at Vestas Wind Systems.



**María Sánchez Llorente (Red Electrica, Spain)**



María Sánchez Llorente is an engineer in Red Electrica's Control Center Department in the support area of the National Electrical Control Center (CECOEL) where she has been working for the past 9 years. She has been actively involved in supervising the day to day real time work of the Dispatch Centre and the development of the Control Center for Renewable Energies (CECRE). At present, she is related with the day to day work of the CECRE integrating new facilities and supervising real participation of renewable energy sources in ancillary services. She received a Master's degree in Industrial Engineering, specialized in renewable energies, by the Escuela Politécnica Superior de Ferrol (Spain).



**Hanna Emanuel (Enercon, Germany)**



Hanna Emanuel is a Senior Engineer at the wind turbine manufacturer ENERCON GmbH. She is responsible for all aspects related to wind farm interconnection requirements and grid code compliance of ENERCON projects in Germany and Austria. Hanna is a speaker of the working group "Grids" in the German Wind Energy Association BWE. She has published several papers on grid integration of wind power at various international conferences. Hanna received her Dipl.-Ing. (FH) degree from the University of applied sciences in Berlin, Germany in 2006. From 2005 until 2008 she was with the German biogas plant manufacturer Schrack Biogas AG dealing with virtual power plants in the Research and Development department. In 2008 she joined ENERCON GmbH. Before becoming responsible of the German and Austrian market, she worked for Eastern and South Eastern Europe, gaining experience with projects and grid requirements there.