SEMINAR ANNOUNCEMENT

DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING
COLLEGE OF DESIGN AND ENGINEERING
Website: https://cde.nus.edu.sg/ece

Area: Power and Energy Systems

Host: Professor Dipti Srinivasan

Jointly organized by:
IEE Computational Intelligence Society,
IEEE Power & Energy Society,
Green Energy Management and Smart Grid Research Center

TOPIC	:	**Very Short-Term Wind Power Deterministic and Probabilistic Forecasting**
SPEAKER	:	**Mr. Sen Wang** **Graduate Student, Hohai University**
DATE	:	**Friday, 12 August 2022**
TIME	:	**1:00PM to 1:30PM (SG)**
VENUE	:	**Join Zoom Meeting:** **https://nus-sg.zoom.us/j/83488710857?pwd=Tkd4eEF1cFVUWjBMSHVacXFUQTJNUT09** **Meeting ID: 834 8871 0857** **Passcode: 251518**

ABSTRACT

Wind power has seen rapid development due to the depletion of fossil energy sources and the importance humans attach to environmental pollution. Wind power has the advantages of being non-polluting, renewable and easily accessible. However, it is stochastic, variable and unstable, as it is affected by the climate. The power system structure has changed, as the proportion of wind power in the power system continues to expand. Accurate wind power forecasting is the key to alleviating this problem, this presentation will cover the background of very short-term deterministic and probabilistic forecasting of wind power, the methodology and its latest research.

BIOGRAPHY

Sen Wang (Student Member, IEEE) received the M.S. degree in control engineering from Hohai University, Nanjing, China, in 2020. He is currently pursuing the Ph.D. degree in electrical engineering from Hohai University, Nanjing, China. His research interests include power big data analysis, power system operation optimization, and renewable energy generation forecasting.