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Grid Modernization: Challenges, Opportunities, and Solutions

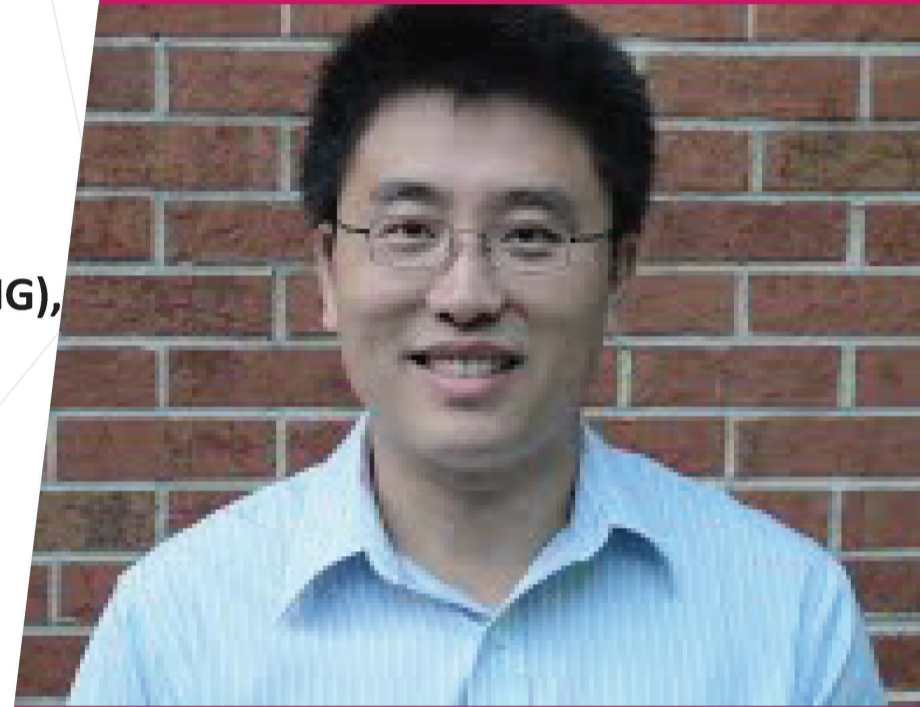
DATE 11 July 2019 (Thursday)

TIME 2:30pm to 3:30pm

VENUE P7510, 7/F, Yeung Kin Man Academic Building (YEUNG),
City University of Hong Kong

Abstract

Our aging grid infrastructure faces increasing challenges from multiple sources including greater demand variability, stricter environmental regulations and growing cyber security concerns. Advanced smart grid technologies provide possible solutions to tackle these challenges. Meanwhile how to best utilize these new devices and technologies such as PMUs and electric vehicles remains a challenge by itself. In this talk, I will address various topics which span a multitude of areas including demand response, stochastic optimization for renewable integration, microgrids and cyber security. I will present the technical issues in implementing these technologies and corresponding potential solutions.



Dr Jianhui Wang
Associate Professor
Department of Electrical Engineering
Southern Methodist University

GUEST SPEAKER'S PROFILE

Dr. Jianhui Wang is an associate professor at Southern Methodist University. Prior to joining SMU, Dr. Wang had an eleven-year stint at Argonne National Laboratory with the last appointment as Section Lead – Advanced Grid Modeling. He is the Secretary of the IEEE Power & Energy Society (PES) Power System Operations, Planning & Economics Committee. Dr. Wang is the Editor-in-Chief of the IEEE Transactions on Smart Grid and an IEEE PES Distinguished Lecturer. He is also a Clarivate Analytics highly cited researcher for 2018.

Enquiries 3442 7887

All are welcome