

Research Seminar

Emerging Research Directions of AI Technology and Green Transport Development

Research Centre for Green Energy, Transport and Building (RCGETB)

Date: 29 April 2025 (Tuesday)

Time: 2:30 pm - 5:30 pm

Venue: HHB-208 (Hybrid via Zoom)



Speaker: Prof. ZY DONG

Chair Professor and
Head of Department of Electrical Engineering
Department of Electrical Engineering
CityU

Topic

Smart City Development and AI Application

Biography

Prof. ZY Dong previous roles include Singapore Power Group Endowed Professor and Co-Director of SPG-NTU Joint Lab at Nanyang Technological University, Singapore; SHARP Professor of Energy System and Inaugrial Director of UNSW Digital Grid Futures Institute, the University of NSW, Australia; Director of ARC Research Hub for Integrated Energy Storage Systems; Head of School of Electrical & Information Engineering, The University of Sydney; and Ausgrid Chair Professor and Director of Ausgrid Centre for Intelligent Electricity Networks provided R&D support for the Smart Grid, Smart City national demonstration project of Australia. He also worked with industry as manager for power system planning with the transmission network service provider of TAS in Australia. Prof Dong's research interests include power system planning and stability, smart grid/micro grid, smart cities, renewable energy systems, energy storage systems, and energy market. He is a Fellow of IEEE and has held editorial roles for several IEEE Transactions and IET Journals.



Speaker: Prof. Junhua ZHAO
Professor
School of Science and Engineering
CUHK (Shenzhen campus)

Topic
AI Assisted Power-carbon Market Co-simulation

Biography

Prof. Junhua Zhao is currently a professor at the School of Science and Engineering, The Chinese University of Hong Kong, Shenzhen. He is also the Executive Director of CUHKSZ - CSIJRI Joint Centre of Smart Energy Storage, the Director of the Energy Market and Energy Finance Laboratory at Shenzhen Finance Institute (SFI) and a researcher at Shenzhen Institute of Artificial Intelligence and Robotics for Society (AIRS). Before returning to China, he acted as the Principal Research Scientist of the Centre for Intelligent Electricity Networks, the University of Newcastle, Australia, with 11 years of working experience in the power industry in Australia.



Speaker: Dr Ivan LI
Executive Director
Institute for Carbon Neutrality
CGS International Holdings Limited

Topic
Leveraging AI for EV Decarbonization

Biography

Ir Dr Ivan LI is an Executive Director in China Galaxy International Financial Holding limited and found the first carbon business department among all Chinese Financial Institutions in Hong Kong. He managed a team to develop innovative carbon business, green & sustainable finance products and promoting cross-border carbon trading. He is also the Honorary Secretary of Hong Kong Association of Energy Service Companies.

**Speaker: Dr Ye HE**

School of Electrical Engineering and Automation
Hefei University of Technology

Topic

Orderly Charging of Electric Vehicles: A Two-stage Spatial-temporal Scheduling Method Based on User-personalized Navigation

Biography

Dr Ye HE received her M.Sc. and Ph.D. in Electrical Engineering and Automation from Hefei University of Technology in 2018 and 2023 respectively. She is currently a Lecturer with the School of Electrical Engineering and Automation, Hefei University of Technology. Her research interests include distributed power generation technology and distribution network system planning.

Moderators**Dr Andrew WU**

Lecturer

Division of Science, Engineering and Health Studies
PolyU CPCE

**Dr Joseph LAU**

Head of Student Affairs and Senior Lecturer

Division of Business and Hospitality Management
PolyU CPCE

***All are welcome!
Register Now!***



Kindly make the reservation at: <https://forms.office.com/r/ZPFsYHLHS8>

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