



Challenges and Opportunities with Renewable Energy Penetration

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ABSTRACT

Energy systems have been in transition, extending their boundaries beyond the energy systems themselves. One of challenging issues is the intermittent power generation and mismatching of energy supply and demand over a time scale when high renewable energy penetration takes place. This calls for interdisciplinary and synthetic approach from not only the systematic overview, but also detailed components of clean energy systems. It needs to integrate the end-users load control with different energy saving approaches. It is location specific and highly tailored to serve its customers' needs. Changing from resource conversion into the smart integration also needs integration of energy with digitalization. Renewables, distributed generation, and smart grids demand new capabilities and are triggering new business opportunities, which is further stimulating the future development of the energy systems.

Date: 8 January 2019 (Tuesday)

Time: 4:00 pm – 5:00 pm

Venue: Room Z505, 5/F, Block Z,
The Hong Kong Polytechnic
University,
181 Chatham Road South,
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SPEAKER'S BIOGRAPHY

Prof. J. Yan is Chair Professor of Energy Engineering at Mälardalen University and Royal Institute of Technology, Sweden. He is Director of Future Energy Profile. Prof. Yan's research interests include advanced energy systems; renewable energy; advanced power generation; climate change mitigation technologies and related environment and policy; CDM etc. Prof. Yan published about 400 papers including papers in Science and Nature Climate and hold 10+ patents. Prof. Yan is the Editor-in-chief of Applied Energy journal and Editor-in-chief of Handbook of Clean Energy Systems. He is the Chair of International Conferences on Applied Energy. He is an academican of European Academy of Sciences and Arts, and serves as the advisory expert to the UN, EU, and ADB, etc.

*** All Interested Are Welcome ***

For further information, please contact Dr Dan Tsang at Tel. 2766-6072.

Free admission. Certificates of attendance will be provided to registered participants if they attend the whole lecture.