

Sophia University Institute for Studies of the Global Environment presents

Future energy systems: challenges & opportunities

With increased renewable energy penetration, flexibility of the energy systems becomes more important for dynamic balancing of supplies and demands. This lecture focuses on the challenges and opportunities associated with energy transitions, for example, spatial and temporal characterization of energy demand and renewable resources for urban district, smart intervention with the new technologies for consumers into prosumers, and integration of renewable energy with energy storage. We argue that the renewable industry has reached the tipping point of competitive costs. We call for accelerating and promoting market-based distributed energy technologies, energy storage, and smart integration of prosumers to respond energy transition.



Prof. J. Yan

Mälardalen University, Sweden / Editor in chief of Applied Energy

Prof. Yan's research interests include advanced energy systems; renewable energy; advanced power generation; climate change mitigation technologies and related environment and policy etc. Prof. Yan published about 400 papers including papers in Science, Nature Energy & Nature Climate and hold 10+ patents.

Date&Time

2020.9.30 wed. pm6:00-7:30

Zoom Info.

<https://sophia-ac-jp.zoom.us/j/99730737808>

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