


Guangya Yang

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Profile

Keywords Cyber physical energy system | Market based operation | Transactive control | Grid integration of DERs | Low inertia systems | System monitoring

Research

Operation and protection of low inertia energy systems;
 Cyber physical energy system modelling, operation and protection;
 Market based operation of distribution systems;
 Grid integration of distributed energy resources such as solar PV and energy storage;

Education
Regular course responsible

Power System Operation (DTU course 31742)

Power System Fundamentals (DTU course 31730)

Available individual courses

Power System Protection Principles and Application

Electric power distribution, automation and control

PV integration in electric power systems

Wind farm operation, modelling and control

Storage modelling and application in renewable-based electric energy systems

Application of optimisation techniques in electric power system

Transactive control

Student projects

Topics available within the field of renewable energy integration

Professional services

IEEE Senior Member

Editor of IEEE Transactions on Sustainable Energy

Member of Expert Pool in EU PV technology platform

Member of IEC Technical Committee 7: Systems aspects for electrical energy supply and member of Working Group 7: General Planning, Design, Operation and Control of Microgrids

Personal life

Married with one child.

A classical guitar zealot, and a marathoner.

