



**A/Prof. Guangya Yang** has 15+ years of experience in R&D in renewable energy integration. He is an internationally recognised academic in power system stability, control and protection, electromagnetic transient modelling and simulation of power grids. He has been the Principal Investigator of several R&D Projects (total funding: ~€12m), both at the National and EU level.

He is author and co-author of 80+ papers in international peer-reviewed journals (h-index: 38), IEEE Senior Member since 2014, and lead editor in IEEE Access: Power & Energy Society Section. His specific experience on offshore wind and real time simulation led him to become convener of the IEC61400-21-5 standard (Configuration, functional specification, and validation of hardware-in-the-loop test bench for wind power plants). Besides academia, Prof. Yang is also acquainted with leading industrial partners in Denmark and Europe. He has worked as a Senior Power System Engineer at Ørsted, one of the largest offshore wind developers in Europe and the world.

### **Employment**

- 2024–Present **Associate professor**, Department of Wind and Energy Systems, Technical University of Denmark;
- 2020-2021 **Senior Power System Engineer** (full-time sabbatical), Ørsted, part-time at Technical University of Denmark;
- 2019–2023 **Senior Researcher**, Center for Electric Power and Energy, Department of Electrical Engineering, Technical University of Denmark;
- 2014–2019 **Associate professor**, Center for Electric Power and Energy, Department of Electrical Engineering, Technical University of Denmark;
- 2010–2014 **Researcher**, Center for Electric Technology, Department of Electrical Engineering, Technical University of Denmark;
- 2009–2010 **Post-doctoral researcher**, Center for Electric Technology, Department of Electrical Engineering, Technical University of Denmark;

### **Education**

- 2008 **Doctor of Philosophy (PhD)**  
School of Information Technology & Electrical Engineering, The University of Queensland, Brisbane, Australia

### **Selected Projects**

- 2021-2025 **Project Coordinator and Principal Investigator**, “InnoCyPES - Innovative Tools for Cyber-Physical Energy Systems”, H2020 Marie Skłodowska-Curie Innovative Training Networks, grant agreement ID: 956433. (Total budget: €4.2m)
- 2021-2024 **Co-Principal Investigator**, “RE-EMPOWERED - Renewable Energy Empowering European & Indian Communities”, EU-Indian cooperation (Grant agreement ID: 101018420. DTU budget €0.45m).
- 2017-2019 **Principal Investigator**, “PV+Storage - Operation and Economics in distribution systems (PVST)”, EUDP project, grant no. EUDP2017:12551 (Total budget €1.4m);
- 2017–2021 **Co-Principal Investigator**, “PHOENIX - System Security and Synchronous Compensators”, grant no. SPT/Phoenix/16 December 2016, coordinated by Scottish Power Energy Network, partners National Grid, ABB, and University of Strathclyde (Total budget €24m. DTU share €0.7m);
- 2016–2018 **Principal Investigator**, “A live PV testing platform for larger adoption (PVTP)”, Danish ForskEL Program, grant no. 12421, project partner Østkraft Net A/S, Energimidt A/S, Kenergy A/S, SolarConnectivity (Total budget €0.45m);
- 2014–2018 **Principal Investigator**, “Application of Synchronous Condensers in low inertia systems”, Danish ForskEL Program, grant no. 12196, partner with Siemens Denmark A/S (Total budget €2.5m);
- 2011–2016 **Principal Investigator**, “Application of smart grid in photovoltaic power systems”, Danish ForskEL Program, grant no. 10698 (Total budget €1.5m);