

## **Biography**

Professor ZQ Zhu has almost 40 years research experience on electrical machines and drive control systems. He has been with the University of Sheffield for >32 years, where since 2000 he has been a Professor at the Department of Electronic and Electrical Engineering, and is currently Royal Academy of Engineering / Siemens Research Chair, Academic Director of Sheffield SiemensGamesa Renewable Energy Research Centre, Director of CRRC Electric Drives Technology Research Centre, Directors of Midea Electrical Machines and Control Systems Research Centres, and Head of the Electrical Machines and Drives Research Group which consists of 6 industrial funded research centres and 3 government sponsored research platforms, including 14 academic staff (8 full professors), and is one of the global largest research groups specializing on permanent magnet machines, power electronics, controls, and energy storage. His current major research interests include design and control of permanent magnet brushless machines and drives, for applications ranging from electrified transportation to domestic appliance and renewable energy, on which he has published >1200 papers including >470 IEEE Transactions/IET Proceedings papers.

Professor Zhu is a Fellow of Royal Academy of Engineering (UK), a Fellow of IEEE (USA) and a Fellow of IET (UK). He is the recipient of the 2021 IEEE Nikola Tesla Technical Field Award and the 2019 IEEE Industry Application Society Outstanding Achievement Award.