

Yaosuo “Sonny” Xue

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Research Area

Power electronics and controls, power systems modeling and analysis, solar PV inverters, multilevel converters, DER grid integrations, microgrid, transportation electrification

Employment History

2015 – present, Oak Ridge National Laboratory, Oak Ridge, Tennessee, USA
2009 – 2015, Siemens Corporate Research, Princeton, New Jersey, USA
2005 – 2006, Capstone Turbine Corporation, Chatsworth, California, USA
2001 – 2001, DNA Data Networking & Assemblies Ltd., Burnaby, British Columbia, Canada
1991 – 2000, China Railway Design Group Corporation, Tianjin, China

Education

2006-2008 Electrical Engineering, University of New Brunswick, Fredericton, Canada
2001-2003 Electrical Engineering, University of New Brunswick, Fredericton, Canada
1987-1991 Electrical Engineering, East China Jiaotong University, Nanchang, China

Publications

10+ IEEE journal papers
40+ IEEE conference papers
2 USA patents

Professional Services

Associate Editor, IEEE Transactions on Power Electronics
Associate Editor, IEEE Journal of Emerging and Selected Topics in Power Electronics
IEEE Senior Member, IEEE Power Electronics Society (PELS), IEEE Power and Energy Society (PES)
Full Member of Sigma Xi, the Scientific Research Society
IEEE PELS TC5, IEEE PES IGCC, IEEE PELS ITRW
IEEE Conference TPC Chairs/Vice-Chairs: ECCE, APEC, PEDG, WiPDA
Industry Advisory Board: VT-CPES, NCSU-FREEDM, DOE NETL-RUA GTC