

Yaosuo “Sonny” Xue

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Research Area

Power electronics and controls, 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, Third Survey and Design Institute of the Ministry of Railways, Tianjin, China

Education

2006-2008, PhD Candidate, Electrical Engineering, University of New Brunswick, Canada

2004, MScE, Electrical Engineering, University of New Brunswick, Fredericton, Canada

1991, BScE, Electrical Engineering, East China Jiaotong University, Nanchang, China

Publications

10+ IEEE journal papers, 40+ IEEE conference papers, and 1 USA patent

Google Scholar - <https://scholar.google.com/citations?user=Pdak1ogAAAAJ&hl=en>

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 Conference TPC Chairs/Vice-Chairs: ECCE, APEC, PEDG, WiPDA

IEEE Standard Working Group: WGi8, IEEE P1547, IEEE P2030

IEC Technical/Advisory Committee: TC 120, ACEE

Industry Advisory Board: VT-CPES, NCSU-FREEDM, DOE NETL-RUA GTC

Working groups: DOE ESS, NEMA ESC, NEMA SGAP, ANSI ESC, SGIP OpenFMB, SGIP OB, etc.

Awards

US DOE ARPA-E, Canada NSERC PGS-D3, UNB Board of Governors Merit Award, China Ministry of Railways Software Award, etc.