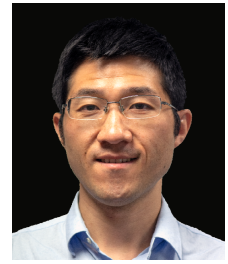


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Biography

Dr. Xinan Zhang received the BEng degree in Electrical Engineering from Fudan University, China, in 2008. He received the PhD degree in Electrical Engineering from Nanyang Technological University (NTU), Singapore, in 2014. Then, he worked as a research fellow in NTU and the University of New South Wales (Australia) until 2017. From 2017 to 2019, he worked as a Lecturer in NTU.

In September 2019, he joined the School of Engineering, University of Western Australia as a Senior Lecturer, where he is currently an Associate Professor. His research interests include power electronics, electrical machine drives and renewable energy. In recent years, he has published over 60 papers in top journals. Currently, he is the Portfolio Lead in Industry Engagement for School of Engineering and the co-lead of Power and Clean Energy (PACE) research group. Dr Xinan Zhang is listed in the Stanford University's list of the top 2% scientists in the world for years 2020 to 2022.

Employment

Associate Professor

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Research outputs

A Novel Data-Driven Linear Quadratic Regulator for Interleaved DC/DC Boost Converter

Qie, T., Zhang, X., Zhu, J., Vilathgamuwa, M., Lu, H. H. C. & Fernando, T., 1 May 2024, In: IEEE Transactions on Power Electronics. 39, 5, p. 5400-5410 11 p.

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CRC for Future Battery Industry FBI

1/06/21 → 31/12/24

Development of the GenX Betavoltaic Battery Pilot Manufacturing Process

Obreschkow, D., Zhang, D. & Zhang, X.

Department of Industry, Science and Resources (Australia)

1/07/22 → 30/06/25

Microgrid Battery Deployment

Fernando, T., Iu, H. C., Zhang, X. & Townsend, C.

CRC for Future Battery Industry FBI

1/10/20 → 30/04/24

Mine Electrification

Fernando, T., Zhang, X., lu, H. C. & Townsend, C.
CRC for Future Battery Industry FBI
1/08/22 → 29/02/24

Project Symphony

Fernando, T., lu, H. C., Zhang, X., Zhang, T. & Rubasinghe, O.
Western Power
31/03/21 → 30/09/23

Seeding marine innovation in SW WA with a WEC deployment in Albany

Gaudin, C., Wolgamot, H., Fernando, T. & Zhang, X.
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1/11/21 → 30/04/24

Upgrading the e-Max Software for High Efficiency Engineering Services

Zhang, X., Fernando, T. & lu, H. C.
Department of Industry, Science and Resources (Australia)
2/05/22 → 1/05/23

Teaching units (UWA)**ELEC5510-Design and Analysis of Smart Grids and Microgrids**

Xinan Zhang
24/02/22 → ...

ENSC3016-Power and Machines

Xinan Zhang
23/07/20 → ...

GENG5516-Energy Storage Systems

Xinan Zhang
24/02/20 → 1/07/21