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Education

- PhD of Electrical and Computer Engineering
University of Macau, Macau 2023.08 – Present
- Master of Electrical and Computer Engineering
University of Macau, Macau 2019.08 – 2022.06
- Bachelor of Electrical Engineering and Automation
Jilin University, Changchun 2015.09 – 2019.07

Publications

- [1] L. Liu, **Z. Zhou**, N. Dai, K. W. Lao, and Y. Song, "Interpolated Phase-Shifted PWM for Harmonics Suppression of Multilevel Hybrid Railway Power Conditioner in Traction Power Supply System," in *IEEE Transactions on Transportation Electrification*, vol. 8, no. 1, pp. 898-908, 2021.
- [2] **Z. Zhou**, L. Liu and N. Y. Dai, "Day-ahead Power Forecasting Model for a Photovoltaic Plant in Macao Based on Weather Classification Using SVM/PCC/LM-ANN," *2021 IEEE Sustainable Power and Energy Conference (iSPEC)*, pp. 775-780, 2021.
- [3] Y. Qiu, J. Lin, **Z. Zhou**, N. Dai, F. Liu, and Y. Song, "Achieving an Accurate Random Process Model for PV Power using Cheap Data: Leveraging the SDE and Public Weather Reports," in *CSEE Journal of Power and Energy Systems*, June 2022, **Accepted**.
- [4] **Z. Zhou**, N. Dai, L. Liu, and J. Yin, "Dual-Phase-Shifted Pulse Width Modulation of Three-Phase Modular Multilevel Converters," in *IEEE Transactions on Industrial Electronics*, March 2023, **Accepted**.

Research Interests

- Power electronics; Modular Multilevel Converter