

Zhedong Ma

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Education

University of Florida, Gainesville, USA

Aug. 2019-present

Ph.D. in Electrical and Computer Engineering

Advisor: Shuo Wang (IEEE Fellow)

Zhejiang University, Hangzhou, P.R. China

Sep. 2015- Jun. 2019

B.E. in Electrical Engineering and Automation

GPA: 3.83/4.00

Publications

- **Zhedong Ma, Juntao Yao, Yiming Li and Shuo Wang: *Comparative Analysis of Magnetic Core Loss Measurement Methods with Arbitrary Excitations*. IEEE Energy Conversion Congress and Exposition 2019.**
- **Juntao Yao, Mohammed El-Sharkh, Yiming Li, Zhedong Ma, Shuo Wang and Zheng Luo: *Investigation of Radiated EMI in Non-isolated Power Converters with Power Cables in Automotive Applications*. IEEE Energy Conversion Congress and Exposition 2019.**

Research Experience

University of Florida, PEEPR Lab| Prof. Shuo Wang

Aug. 2019-Present

- Conducted and Radiated EMI reduction in AC/DC adapter;
- EPC (Equivalent parasitic capacitance) cancellation technique;
- Fast recovery procedure of diode.

University of Florida, PEEPR Lab| Prof. Shuo Wang

Jul. 2018-Jan.2019

- Derivation of power loss formula in cylindrical coordinate system;
- Optimal solution of two primary and one secondary layer winding arrangement in the Flyback transformer;
- Explore the new magnetic core loss measurement method.

Zhejiang University, EMD Lab| Prof. Jian-Xin Shen

May 2017-May 2018

- Develop an APP used to send and receive the positioning signal (PI). -- Programming (JAVA)
- Attend the 20th International Conference on Electrical Machines and Systems, Sydney, 2017.

Extracurricular Activities

- Monitor in class 1503, ZJU (Zhejiang University) Sep.2015-Jul. 2017;
- Deputy Secretary of the Youth League General branch, ZJU Sep.2015-Jul. 2017;
- Organizing social practice activities (PI) summer vacation, 2016;

Awards/Honors

- Awards of Outstanding Graduates of Zhejiang University 2019;
- Awards of Excellent Student , Zhejiang University 2018/2016;
- Awards of Top ten university students in Lantian Academy, Zhejiang University 2017;
- Awards of Outstanding Student Leader , Zhejiang University 2017/2016;

Skills

Matlab • DSP • Simulink • JAVA • C • Ansys • ORCAD