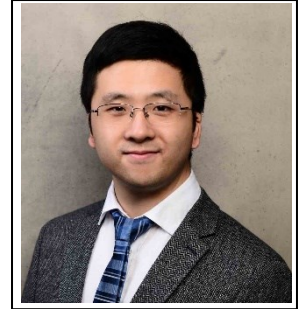


**ICRERA 2025**

**14th INTERNATIONAL CONFERENCE ON RENEWABLE  
ENERGY RESEARCH AND APPLICATIONS**

**Zhi Li**

Technical University of Munich, Germany



**Paper ID** : 209

**Paper Title** : Interpretable Neural Network Control for Boost Converters in Quasi-Resonant Mode

**Bio :**

Zhi Li is a PhD candidate in Electrical Engineering at the Technical University of Munich, with research focusing on power electronics, control systems, neural network technology, and FPGA implementation. He has published and presented his work at multiple IEEE conferences, demonstrating his expertise in these areas.

Currently, he is collaborating with Infineon Technologies to investigate neural network-based control for switched-mode power converters, with a specific emphasis on hardware implementation on FPGA-based control prototypes, further expanding his knowledge and skills in power electronics and control systems.