Ming-Hung Chen

Position：Associate Professor

Phone：+886-2-2908-9899 Ext. 4820

E-Mail：mhchen@mail.mcut.edu.tw

Education ：Ph.D., National Taiwan University of Science and Technology.

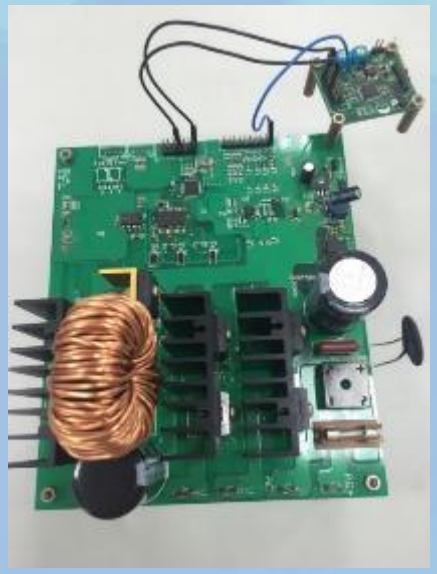
Research ： Power Electronics, Motor control, and New Energy.

AC/DC/AC Power Converter

Motor Drive Testing System

ARM-based Platform

BLDC Compressor Drive

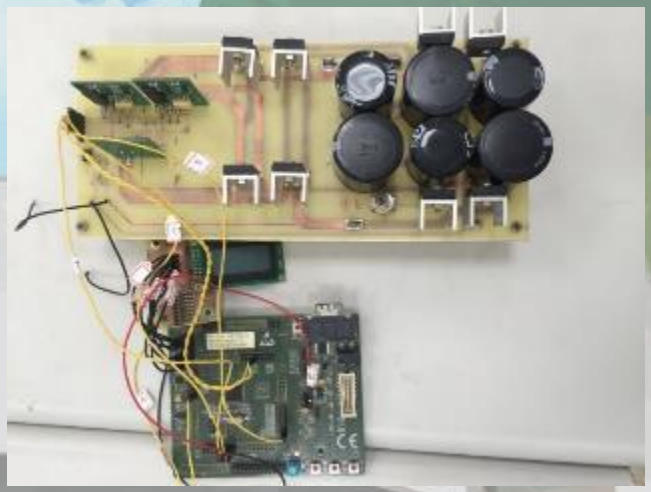


Single-phase Induction Motor Drive

Automatic Voltage Regulator

DC/AC Power Stage

150W DC/AC Inverter



Single-phase Induction Motor Fan Drive

Industrial-Academic Collaboration Project：

- Development of Battery Management System for Golf Carts, Industrial-Academic Collaboration Project (I01-111-E028), 2022/05/01-2023/04/30.
- Development of the Digital-based Full-bridge LLC Resonant Converters, Industrial-Academic Collaboration Project (O01-111-E034), 2022/07/01-2023/06/30.
- Suppression of Quiescent Current for Battery Management Systems, Technology Transfer Project (T01-111-E002), 2022/05/01-2023/04/30.

Journal Paper ：

1. Yung-Yao Chen, **Ming-Hung Chen (陳明宏)**, Che-Ming Chang, Fu-Sheng Chang and Yu-Hsiu Lin*, “A Smart Home Energy Management System Using Two-Stage Non-Intrusive Appliance Load Monitoring over Fog-Cloud Analytics Based on Tridium’s Niagara Framework for Residential Demand-Side Management,” *Sensors* , 21(8), 2883 (2021); https://doi.org/10.3390/s21082883; **IF 4.35**, Ranking factor: 13/128 (10%).