

節能與健康空調實驗室

Energy-Saving and Health A/C Lab

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Laboratory Introduction

The laboratory is led by Prof. Dr. Ming-Tsun Ke with 18 master students. The main research direction is Energy Conservation and Emission Reduction related technologies and computer simulation applications. Discuss practical new energy-saving technologies, related energy-saving strategies, practical engineering technology for the implementation of energy-saving technology, research and development and promotion of energy service technology, Measurement and Verification(M&V) technology and promotion of energy-saving and emission reduction technology services. Combined with simulation analysis software for energy use simulation analysis, so that energy-saving calculation and its energy-saving benefits M&V can be carried out by numerical simulation. The lab provides students with complete experimental structure and paper expression skills and increase students' practical experience to achieve the purpose of practical research integration.

The Main Research

- Energy Conservation and Emission Reduction Technology
- R&D and Promotion of Energy Service Technology
- Computer Aided Engineering
- Heat transfer of Fluid mechanics

The Main Equipment

- Testo480 High Precision Multifunction meter
- GRAPHTEC GL-820 Multifunction logger
- FSC Series Clamp Ultrasonic flow meter
- HIOKI Power Quality Analyzer
- SITELAB Ultrasonic flow meter

