

能源與冷凍空調工程學系  
Dept. of Energy and  
Refrigerating Air Conditioning  
Engineering

節能與健康科技  
Energy-Saving and  
Health Technology

節能與健康空調實驗室  
Energy-Saving and  
Health A/C Lab.



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■ 研究領域

先進高效率冷凍空調設備、室內空氣品質與微機電感測器、電腦輔助工程(CAE)、節能績效量測與驗證

■ 近期研究主題

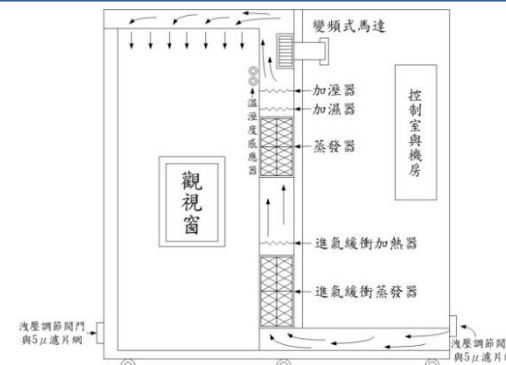
- 能源系統最佳化
- 量測與驗證技術
- 通風與室內空氣品質
- 蒸發式冷卻應用技術
- 能源服務與雲端平台
- 儲能技術
- 吸收式空調與除溼技術

■ Research Area

Advanced high-efficient HVAC Equipment, indoor air quality and MEMS sensors, computer-aided engineering, performance measurement and verification

■ Recent Topics

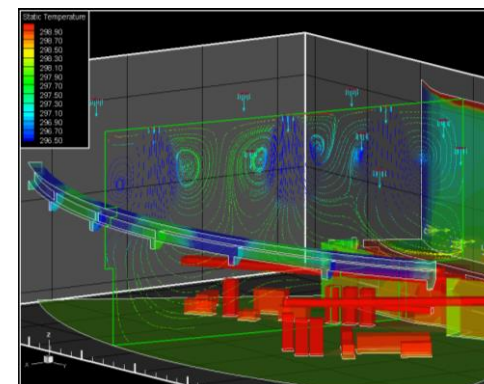
- Energy system optimization
- Measurement and verification technology
- Ventilation and indoor air quality
- Evaporative cooling technology
- Energy service and cloud-computing platform
- Thermal energy storage
- Absorption chilling and dehumidification



VOCs感測與控制系統平台  
VOCs Sensing and Control System



蒸發式冷卻空調機  
Evaporative cooling A/C Unit



電腦輔助工程  
Computer-aided engineering