自動化科技研究所
Graduate Institute of Automation Technology

機電整合與控制
Mechatronics and Control

先進深度計算智慧聯網實驗室
Advanced Internet of Deep Computational Intelligence Lab.

O: 綜科 B09-1 #4321

L: 綜科 B09-1 #4382

林郁修 助理教授

Assist. Prof. Yu-Hsiu Lin

國立台北科技大學

National Taipei University of Technology

yhlin@ntut.edu.tw

https://sites.google.com/view/aici

■ 研究領域

物聯網、邊雲協作運算、人工智慧、智慧電網技術

■ 近期研究主題

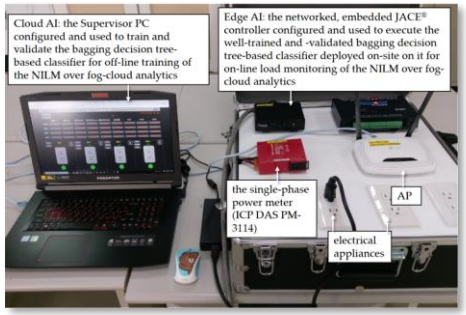
- 設計、開發與建置佈署邊雲協作運算基礎之電能管理系統
- 邊雲協作運算基礎之智慧插座
- 新世代住商與工業節能
- 設備預兆偵測與故障診斷/PHM
- 非侵入式負載監測技術

■ Research Area

Internet of Things, fog-cloud computing, Artificial Intelligence, Smart Grid technology

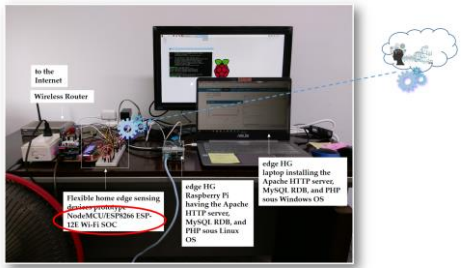
■ Recent Topics

- Design, implementation and practical evaluation of Energy Management Systems based on Fog-/Edge-Cloud computing
- Smart power meters/smart plugs based on Fog-/Edge-Cloud computing
- Energy Conservation/Energy Efficiency/Demand Response
- Prognostics and Health Management
- Non-Intrusive Load Monitoring techniques



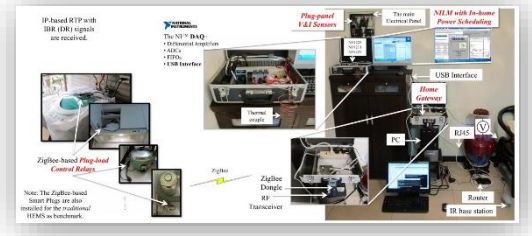
(Tridium, Inc.) Niagara Framework® Cloud-Edge AI基礎之電能管理系統及其非侵入式負載監測技術

EMS having NILM based on (Tridium, Inc.) Niagara Framework® Cloud-Edge AI



邊雲協作運算基礎之智慧型插座研製

smart power meters considering fog-cloud analytics



先進智慧家庭能源管理系統整合NILM技術於用電排程需量反應

An advanced HEMS facilitated by NILM with Meta-heuristic-based Multi-objective in-home Load Scheduling