

自動化科技研究所
Institute of Automation
Technology

電能量測與分析
Electrical Energy
Measurement and
Analysis

計算智慧實驗室
Computational Intelligent
Lab.



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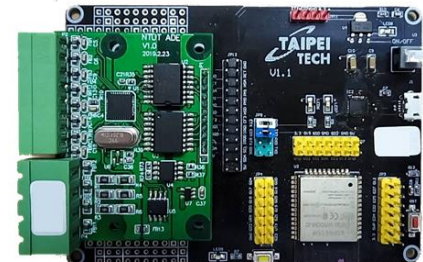
- 研究領域
 - 計算式智慧
 - 無線感測網路
 - 智慧電網/先進讀錶基礎建設/
配電系統自動化
 - 非侵入式負載辨識
- 近期研究
主題
 - 家庭能源管理系統
 - 次世代智慧型電表開發與應用
 - IEEE 1588 V2 應用
 - CNN應用於負載辨識系統
 - 基於IEC61850之傳輸協定分析
與開發
- Research
Areas
 - Computational Intelligence
 - Wireless Sensor Network
 - Smart Grid / Advanced Metering
Infrastructure / Distribution
System Automation
 - Non-Intrusive Load Monitoring
- Recent
Research
Topics
 - Home Energy Management System
 - Development and Application of
High Precision Next Generation
Smart Meter
 - Power Instrument Design
 - Applications of IEEE 1588 V2
 - Applications of Convolution Neural
Network for Non-Intrusive Load
Monitoring
 - Analysis and development of data
transmission based on IEC61850



IEC61850/PTP分析與開發
Analysis and Development of
IEC61850/PTP



IEEE 1588 普通時鐘
IEEE 1588 ordinary clock



次世代智慧型電表
Next Generation Smart Meter