

製造科技研究所
Institute of Manufacture
Technology

零碳能源實驗室
Zero carbon energy
laboratory



O: 綜科 221
#2021
L: 綜科 429
#4828

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<http://ar.ntut.edu.tw/lab/index.aspx?lab=1045>

■ 研究領域: 有機朗肯循環、能源工程、熱傳遞、應用計算流體、核子工程

■ 近期研究主題:

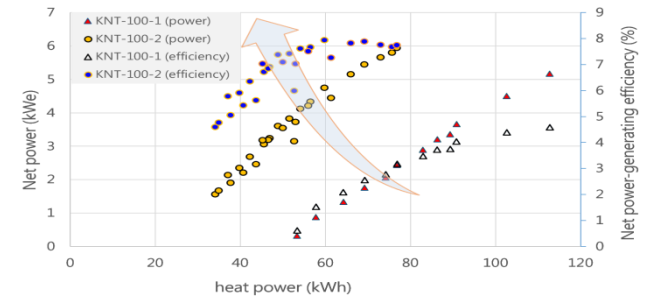
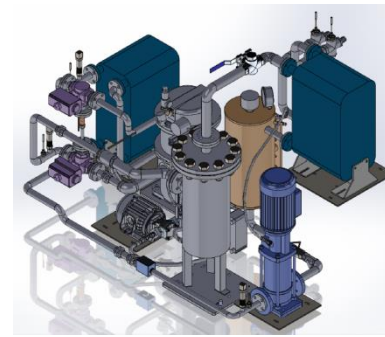
- 有機朗肯循環發電系統
- 太陽熱能集熱系統
- 快滋生反應器
- 核電廠用過燃料池
- 計算流體力學應用於人機互動教學

■ Research Area

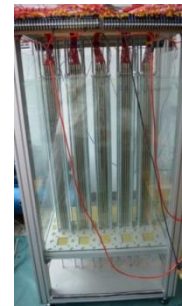
Organic Rankine cycle,
Heat transfer,
Computational fluid dynamics,
Energy Engineering,
Nuclear safety,

■ Recent Topics

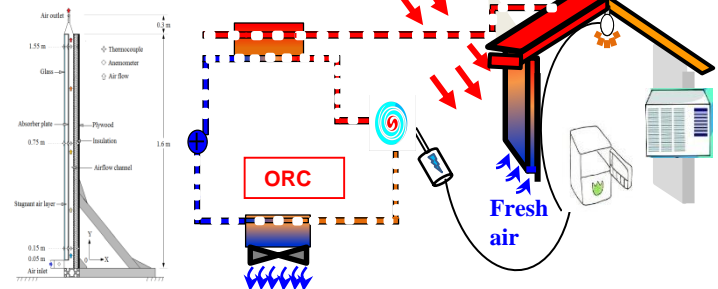
- Organic Rankine cycle power system
- Solar thermal collectors
- Heat exchanger design
- Fast breeder reactor
- Spent fuel pool of nuclear power plant
- Applied CFD on Human-Computer Interaction



有機朗肯循環於廢熱回收發電
organic Rankine cycle system (ORC)



用過核燃料池移熱試驗
Nuclear Spent fuel pool experiment



ORC 與太陽熱能集熱系統 (ORC & Solar thermal collection)