

2022 TEEP (Taiwan Experience Education Program) Artificial Neural Network Applications

Wen-Ren Yang

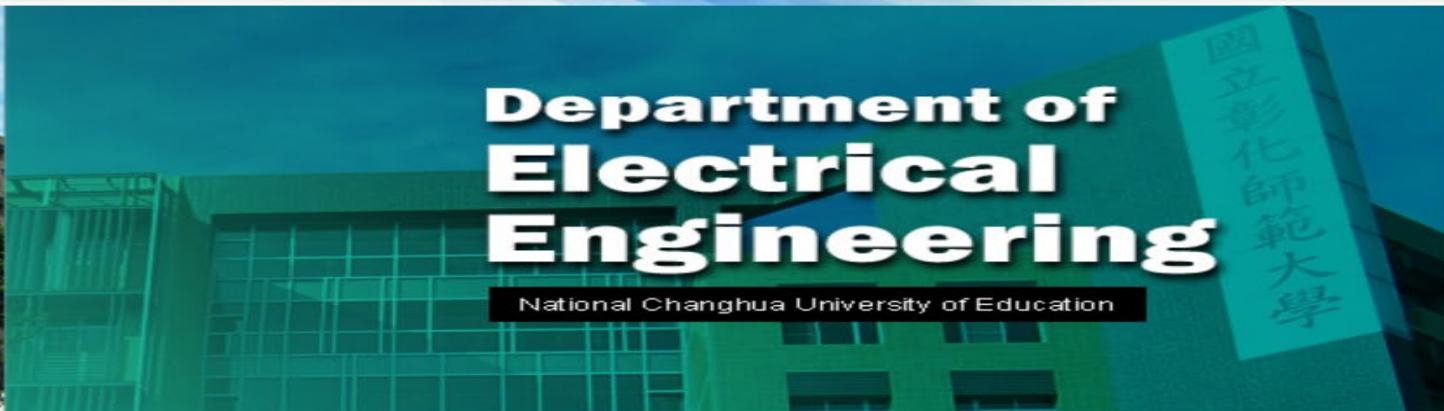
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Internship Briefs

- Prepare Python codes and experiment guidelines for digital signal processing and neural network lectures.
- Execute neural network experiments on the embedded system.
- Weekly report and meeting.
- C or C++ programming skills are also required.
- The salary will be NT 15,000 (approximately USD 500) per month, up to six months.

Research Topics

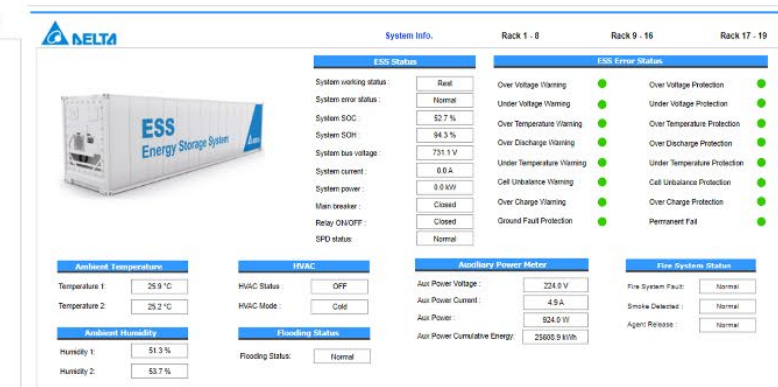
- Wavelet-Neural Networks for Industrial Internet-of-Things (IIoT)
 - (1) Feature Extraction
 - (2) System Response Identification
 - (3) System Status Identification
- Wavelet-Neural Networks for Embedded Image Recognition Applications
 - (1) Feature Extraction
 - (2) Contour Identification
 - (3) Object Recognition

College of Engineering & Campus Life



Orsted Smart Energy Center

- The 1-MW Battery Energy Storage System (BESS)
- The first MW-BESS operated by university in Asian Region
- Collaborated with Orsted and Delta Corps.
- Future & Current Largest Offshore Wind Power Generation in Taiwan



<https://orsted.tw/en/news/2020/06/first-bess-in-apac>

<https://www.deltaww.com/en-US/news/12893>

<https://www.deltaww.com/en-US/solutions/Energy-Storage-Solutions/2657>

Previous TEEP Projects



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科技部 MOST
新農業生技鏈結科學園區系列-跨業交流講堂

09:00-09:05
09:30-09:35
09:50-10:00
10:05-10:15
10:30-10:40
10:50-11:00
11:10-11:20

