

# TEEP INTERNSHIPT INFORMATION 2022

**Program:** Taiwan Experience Education Program (TEEP)

Website: <https://teep.studyintaiwan.org/>

**Host institution:**

National Dong Hwa University, Department of Physics & Institute of Applied Physics

Website: <https://csae.ndhu.edu.tw/p/405-1012-77497,c13414.php?Lang=en>

**Duration:** 6 months, starts any time between June 1 and December 31 of 2022

**Scholarship grant:** NT15,000/month

**Number of positions:** 02

**Host supervisors and research directions:**

**1. Prof. Wen-Ping Peng**, Head of Department of Physics & Institute of Applied Physics

- 01 scholarship position

- Student requirements: master students. If the student plans to achieve PhD study, that would be better.

- Field of studies: nuclear physics, condensed matter, applied physics, and electronic physics

- Research topics in Taiwan: detection of antibodies from human serum, virus detection, hyaluronic acid measurement, plasma ionization, aerosol particle detection, and ion trap instrumentation.

Student can pick up the field he/she is interested in. Students might learn MALDI time-of-flight mass spectrometer, linear ion trap mass spectrometer, quadrupole ion trap mass spectrometer, Raman, FTIR, particle sizer, confocal microscopy, etc. to finish the experiment.

**2. Prof. Wang-Chi Yeh** (Vincent):

- 01 scholarship position

- Student requirements: undergraduate or master students

- Field of studies: Preferably in one of the following areas: physics and computer sciences, applied physics, solid physics

- Research topics in Taiwan: physics and computer science / applied physics: (computational) application of machine learning in physics research; solid physics: (experimental) modification of photocatalyst for air/water pollutant reduction