

POSTDOCTORAL RESEARCHER OPENING

Phase-Change Heat Transfer Laboratory
National Chung Hsing University

MECHANICAL ENGINEERING

Taichung, Taiwan

1. Research Topics

The primary research focuses on **flow boiling in cold plates** for high-heat-flux electronics, including the fabrication of structured metallic and functional surfaces. The research will combine fundamental heat-transfer studies, experiments, and numerical modeling. Experimental work will involve flow visualization using infrared cameras, high-speed cameras, or PIV techniques. Numerical modeling using FloTHERM or ANSYS will be conducted when appropriate to support the experimental analysis.

2. Qualifications

- Ph.D. in Mechanical Engineering, Thermal Engineering, Energy Engineering, or a related field
- Background in heat transfer, thermofluids, phase change, or two-phase flow
- Ability to conduct independent research and publish scientific papers.
- Peer-reviewed publication record and good communication skills

3. Position

- Start date: Negotiable
- Term: One year, with possible renewal
- Salary: Starting from NTD 65,000/month, commensurate with qualifications and experience
- Location: National Chung Hsing University, Taichung, Taiwan

4. Application

- Send a cover letter, CV with publication list, selected publications, brief research summary, and contact information for 2–3 references to Prof. Ching-Wen Lo at [**cwlo@nchu.edu.tw**](mailto:cwlo@nchu.edu.tw)
- Applications will be reviewed until the position is filled.