

# PhD Positions in AI Robotics at NCKU, Taiwan

Several PhD positions are now open at the **Networked Robotic Systems Laboratory (NRSL)** at **National Cheng Kung University (NCKU)**, located in the vibrant city of Tainan, Taiwan. We are seeking **highly motivated and creative PhD candidates** to join our research team in cutting-edge projects related to **AI-driven robotics**, including:

- **Generative AI (GenAI) for robot control, planning, and interaction**
- **Vision-Language Agents (VLA) for embodied AI and semantic understanding**
- **Mobile robot navigation and learning in complex environments**
- **Mobile manipulation and intelligent robotic arms**
- **Legged robot locomotion and control**

The NRSL lab offers an interdisciplinary and international research environment with strong links to academia and industry. Students will work on **funded projects** and have access to **state-of-the-art robotic platforms**, including **ROS/ROS2-based mobile robots, robotic arms, and quadruped systems**.

## Funding and Benefits

- Full **tuition waiver**
- Monthly **stipend and research assistantship** (renewable annually based on performance)
- Travel support for **conferences and international collaboration**
- Access to **cutting-edge hardware**, NVIDIA platforms, simulation tools (e.g., Isaac Sim), and computing resources

## Qualifications

We welcome applicants with a strong background in the following areas:

- Robotics, Artificial Intelligence, Control Systems, or Mechatronics
- Experience with **robotic software frameworks** (e.g., ROS, ROS2)
- Proficiency in **C/C++, Python, or MATLAB**
- Knowledge in **machine learning, reinforcement learning, or multimodal AI**
- Hardware/software integration for robotic systems
- Excellent English communication skills (spoken and written)

## How to Apply

Please email **Prof. Yan-Chen Liu** ([yliu@mail.ncku.edu.tw](mailto:yliu@mail.ncku.edu.tw)) with the following documents in a single PDF file:

1. **Cover Letter** - Describe your background, motivation, and research interests
2. **Curriculum Vitae** - Include contact information for 2-3 references
3. **Academic transcripts and diplomas** - From your Bachelor's and Master's studies
4. (Optional) A **portfolio or link** to code, project videos, or publications is a plus

Applications will be reviewed on a **rolling basis** until all positions are filled.

## About NRSL and NCKU

NRSL is a leading robotics lab in Taiwan with active research in AI-integrated robotic systems for human-robot interaction, field deployment, and intelligent automation. NCKU is a top-ranked university in Asia with strong engineering and interdisciplinary programs.

Come join us to shape the future of **AI-powered robotics**.