RESEARCH POSITION

Postdoctoral Researcher

AI-Driven Human-Robot Interaction and Education

Research Unit	Networked Robotic Systems Laboratory, NCKU	Position	One Postdoctoral Researcher
Location	Instrument and Equipment Building, Tzu-Chiang Campus, NCKU, Tainan, Taiwan	Responsibilities	Conduct NSTC-funded and university research projects

Research Areas

This position focuses on **intelligent human-robot interaction and AI-assisted education**. Integrating generative AI, educational technology, and HRI, the project develops robots with natural-language communication, contextual awareness, and adaptive tutoring capabilities. It examines their impact on learning outcomes, motivation, and interaction experiences.

Research topics will reflect the candidate's expertise and project needs, and may include:

1. **AI-driven robotic tutoring:** Integrate generative AI, large language models (LLMs), speech dialogue, and multimodal interaction in learning systems.
2. **Adaptive instruction:** Study personalized learning, interactive dialogue, feedback, and instructional scaffolding to improve engagement and learning outcomes.
3. **HRI and educational technology:** Test the effects of robot language, facial expressions, interaction behaviors, and teaching strategies on learners.
4. **Interdisciplinary empirical studies:** Design activities for language learning and other educational contexts; conduct user studies, learning assessments, and publish findings.
5. Other research related to intelligent robots, human-robot interaction, and AI-assisted education.

Qualifications

1. Military service completed or exempt, where applicable.
2. Ph.D. in AI, computer science, educational technology, HRI, robotics, applied linguistics, or a related field.
3. Proficiency in English communication and academic writing.
4. Experience in AI, interactive systems, educational technology, experiments, or user studies is preferred.
5. Self-motivated, enthusiastic about research, and open to interdisciplinary collaboration and new challenges.

Salary and Benefits

Salary follows NCKU regulations, including applicable year-end bonus and labor/health insurance.

Salary may be adjusted based on research experience, duties, expertise, and expected performance.

NCKU salary regulations (PDF)

Expected Start Date

January 2027 (negotiable)

Application Procedure

Email your application to **yliu@mail.ncku.edu.tw** with the subject line: **Postdoctoral Researcher Application_Your Name**.

Please include:

1. Curriculum vitae (contact details, education, research expertise, and background).
2. Publication list and selected representative papers.
3. Contact details of three referees (name, affiliation, phone, and email).
4. Doctoral dissertation (draft accepted).

Contact Information

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Rolling review. Only shortlisted candidates will be contacted for interviews; others will not receive individual notifications.