

One PostDoc position is available in NRSL, NCKU, Taiwan

Topics

Resilient and Intelligent Control for Cyber-Physical Mobile Robot Networks

A PostDoc position is available at the NRSL (Networked Robotic System Laboratory) in NCKU (National Cheng Kung University), Tainan, Taiwan. Candidates with background in automatic control, robotics, dynamical system theory, and/or applied mechatronics will receive special consideration.

The successful candidates will have a competitive stipend and benefit, which are yearly based and can be automatically renewed if the candidate's performance is satisfactory. The successful candidates will participate in and continue our well-established control systems for mobile robots. The research directions include control of coordination, cooperation, and human-robot interaction for grounded mobile robots, mobile manipulators, and aerial quadrotors.

Areas of interest include:

- Intelligent Direct Learning in Resilient Mobile Robot Network
- Resilient Control for Multiple Aerial Robots Coordination/Manipulation
- Human-Aware Cooperation Control for Heterogeneous Mobile Robots
- Resilient and Intelligent Control for Cooperation of Multiple Mobile Manipulators

Required qualifications:

- Relevant degree in Mechanical, Electrical Engineering, or related area,
- Strong background in control systems, robotics, and mechatronics,
- Strong programming skills in C/C++, MATLAB, and Python,
- Proficient oral and written English skills.

To apply, contact Prof. Liu (yliu@mail.ncku.edu.tw) with a single PDF file including:

- Cover Letter describing background, experience, motivation, and publication,
- CV including 3 references,
- Transcripts and diplomas of the applicant's bachelor, master, and doctoral studies, and
- Summary of research plan.

Closing date for applications: Until all positions are filled

Starting date: Flexible

Dr. Yen-Chen Liu

Department of Mechanical Engineering

National Cheng Kung University

1 University Road, Tainan 70101, Taiwan

Tel: +886-6-2757575 ext. 62120

E-mail: yliu@mail.ncku.edu.tw

Web: <http://myweb.ncku.edu.tw/~yliu>