

Postdoctoral Research Fellow

Thu, 2018-07-12 17:01 - [Yeong-Cherng Liang](#) [1] **At:** National Cheng Kung University (Tainan, Taiwan)

Deadline: 30 June, 2019

Location

National Cheng Kung University No. 1 University Road, East District, Tainan 701 Taiwan

The Quantum Nonlocality, Foundations and Information group led by A/Prof. **Yeong-Cherng Liang** is hiring a postdoctoral research fellow to work in the area of quantum nonlocality, specifically its generalizations and its applications in quantum information. The group is based at the **National Cheng Kung University at Tainan, Taiwan** but maintains active international collaborations with prominent researchers from various institutions. The group is an active member of the National Center for Theoretical Sciences of Taiwan, as well as the Center for Quantum Technology of Hsinchu, Taiwan.

The primary task of the candidate consists in performing research related to the generalization of Bell-nonlocality to other causal structures and/or various aspects of device-independent quantum information, taking into account finite statistical effects and/or other practical considerations. As such, the hired candidate is expected to:

- Have a proven track record of research competence in topics on Bell-nonlocality
- Be familiar with the topics of quantum nonlocality in a quantum network (or other generalizations) or the applications of nonlocality in device-independent quantum information
- Have a strong desire to learn and share
- Have good verbal and written communication skills in English
- Have the willingness to guide and supervise graduate students

The initial appointment will last for a year but is renewable (subjected to a positive internal review) on a yearly basis until the end of July 2020. The starting gross salary for a fresh Ph.D. graduate is TWD58,350 per month (or TWD700,200 per year) with an increment of approximately TWD2,000 in monthly salary for every complete year of postdoctoral experience accrued after obtaining one's Ph.D. Other benefits of the appointment include (but not limited to) access to the National Health Insurance of Taiwan (for an appointment that lasts for 6 months or more), 1.5 month of year-end bonus (or prorated according to the duration of appointment), initial relocation expenses, contributions toward the retirement fund by the employer (which can be withdrawn upon termination of the appointment). Tainan was the ancient capital of Taiwan and has a relatively low cost of living (see, e.g., <https://www.numbeo.com/cost-of-living/in/Tainan> [2]).

Interested candidate may send their CV, a cover letter highlighting their prior experience in the topics mentioned above + the contact of two referees to Yeong-Cherng Liang at [ycliang \[at\] mail \[dot\] ncku \[dot\] edu \[dot\] tw](mailto:ycliang@mail.ncku.edu.tw). The position is opened until filled.

- [Postdoc](#) [3]

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