Curriculum Vitae – Jun-Yi Wu

I. Basic Information:

Name	Jun-Yi Wu （吳俊毅）
Email	wujunyi@gms.tku.edu.tw
Phone	+886-2-26215656 ext. 2515
Graduate	Heinrich-Heine University Dusseldorf
Degree	Dr. rer. nat. (in theoretical Physics)
Affiliation 1	Tamkang University, Taiwan (ROC)
Address 1	151 Yingzhuan Rd., Tamsui Dist., New Taipei City 25137, Taiwan, ROC
Affiliation 2	Hon Hai Research Institute, Foxconn, Taiwan, ROC
Address 2	No. 32, Jihu Rd., Neihu Dist., Taipei City 114, Taiwan, ROC
Position	Associate professor (Tamkang Uni) Associate Research Fellow (Hon Hai Research Institute)
Research	Quantum information theory, Quantum optics
Group website	https://sites.google.com/view/qio/

II. Education:

Year	Degree	Institute	Subject	Thesis
2011/10-2015/5	Dr. rer. nat.	Heinrich-Heine University Düsseldorf, Germany	Quantum information theory	Entanglement in multipartite quantum systems in the context of graph states
2005/10-2010/12	Diplom (B.A. + M.A.)	Ruhr-University Bochum, Germany	(Hadron) Physics	Conformal partial wave decomposition of twist-3 operators

III. Postdoctoral experience:

Year	Position	Institute	Remarks
2019/11-2021/1	JSPS postdoctoral fellow	Department of Physics, University of Tokyo, Japan	Supervisor: Prof. Mio Murao Project: "*Operational characterization of multi-photon entanglement in linear optics networks"*
2015/6-2019/10	Postdoctoral research	Graduate School of Advanced Sciences of Matter, Hiroshima University, Japan	Supervisor: Prof. Holger F. Hofmann Project: "*Research on the efficient generation of the broadband frequency entangled photons and their applications*" and "*Realization and Application of Large-scale Quantum Entangled States Using Photonic Quantum Circuits*"

IV. Faculty/Professional position:

Year	Position	Institute
2025/8 – present	Associate Research Fellow	Hon Hai Research Institute, Foxconn, Taiwan (ROC)
2025/2 – present	Associate Professor	Department of Physics, Tamkang University, Taiwan (ROC)
2024/1 – 2025/7	Center CEO	Center for Advanced Quantum Computing, Tamkang University, Taiwan (ROC)
2021/2 – 2025/1	Assistant Professor	Department of Physics, Tamkang University, Taiwan (ROC)

V. Research keywords:

Entanglement, Multipartite entanglement, Distributed quantum computing, Photonic quantum computing, Quantum Optics, CV-DV photonic systems

VI. Research Interests:

My recent research interests focus on the verification and characterization of quantum photonic systems, as well as distributed quantum computing. In photonic quantum computing, my work centers on the validation and characterization of quantum properties in photonic sources and photonic processors. In distributed quantum computing, I investigate resource-efficient architectures and protocols that enable scalable quantum computation under limited quantum resources.