

Room G (Miami), 2F

Chair: Yong-Su Kim (KIST)

**Tu1G**

June 30 (Tue), 2026

Quantum Computing and Information Processing

08:30-10:00

**Tu1G-1**

**08:30-08:45**

**Quantum Teleportation over a Metropolitan Fiber Network in Berlin**

Matheus Sena<sup>1</sup>, Zofia A. Borowska<sup>1</sup>, Shane Andrews<sup>2</sup>, Olivia Brasher<sup>2</sup>, Giorgio de Pascalis<sup>3</sup>, Mael Flament<sup>2</sup>, Marc Geitz<sup>1</sup>, Mehdi Namazi<sup>2</sup>, Oliver Holschke<sup>1</sup>

<sup>1</sup>Deutsche Telekom AG, <sup>2</sup>Qunnect Inc., <sup>3</sup>Paderborn University

**Tu1G-2**

**08:45-09:00**

**All-Optical Routing and Storage for Photonic Quantum Bits**

Pengfei Wang<sup>1</sup>, Soyoung Baek<sup>1</sup>, Fumihiro Kaneda<sup>1,2</sup>

<sup>1</sup>Tohoku University, <sup>2</sup>Japan Science and Technology Agency

**Tu1G-3**

**Invited**

**09:00-09:30**

**Programmable Continuous-Variable Photonic Quantum Computing in the Time Domain**

Shuntaro Takeda

The University of Tokyo

**Tu1G-4**

**09:30-09:45**

**Mitigating and Suppressing Noise in Bosonic Systems with Linear Optical Methods**

Y. S. Teo<sup>1,2</sup>, S. U. Shringarpure<sup>2</sup>, S. Cho<sup>2</sup>, H. Jeong<sup>2</sup>

<sup>1</sup>Sejong University, <sup>2</sup>Seoul National University

**Tu1G-5**

**09:45-10:00**

**Programmable High-Dimensional Quantum Gates over a 20-m Multimode Fiber Using Long-Coherence Atomic Single Photons**

Changhoon Baek<sup>1</sup>, Danbi Kim<sup>1</sup>, Juntaek Oh<sup>2</sup>, Minsu Kim<sup>1</sup>, Seokchan Yoon<sup>1</sup>, Wonshik Choi<sup>2</sup>, Han Seb Moon<sup>1</sup>

<sup>1</sup>Pusan National University, <sup>2</sup>Korea University