

Session Title:	[Fr1C] Quantum Communication
Session Date:	August 9 (Fri.), 2024
Session Time:	09:00-10:30
Session Room:	Room C (107-109)
Session Chair(s)	Prof. Takuya Hirano (Gakushuin Univ., Japan), Prof. Heedeuk Shin (POSTECH, Korea)

[Fr1C-1] [Invited] 09:00-09:30

Quantum Networks and Edge Computation

Kae Nemoto (Okinawa Inst. of Science and Tech., Japan)

[Fr1C-2] 09:30-09:45

668-kbps Quantum Key Distribution over 100-km Dispersion Shifted Fiber with 10 GHz Clock

Yasuyuki Sanari, Atsushi Taniguchi, Momoko Miura, Hirokazu Takahashi, Koichi Takasugi (NTT Network Innovation Laboratories, Japan), Hsin-Pin Lo, Takuya Ikuta, Toshimori Honjo, and Hiroki Takesue (NTT Basic Research Laboratories, Japan)

[Fr1C-3] 09:45-10:00

Analyzing Overlapping Pulse Effects and Phase Modulation Distortion in DPS Quantum Key Distribution

Wei-Rong Zhuo, Ming-Sheng Chen, and Yuh-Renn Wu (Nat'l Taiwan Univ., Taiwan)

[Fr1C-4] 10:00-10:15

Low-Loss Polarization-Maintaining Optical Routing for Photonic Quantum Applications

Pengfei Wang, Soyoung Baek, Keiichi Edamatsu, and Fumihiko Kaneda (Tohoku Univ., Korea)

[Fr1C-5] 10:15-10:30

Coupling of Single Photons into Guided Modes of an Optical Capillary Fiber with a Nanohole

Elaganuru Bashaiah, Resmi M, and Ramachandrarao Yalla (Univ. of Hyderabad, India)