Quantum Cryptography and Communication

Presentation ID	Registration No.	Category	Date	Time	Venue	Room	Abstract Title	Name	Affiliation Name	Country
PO-CC-001	6195016	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Long-distance device-independent quantum key distribution with standard optical tools	Anthony Brendan	Keio University	Japan
PO-CC-002	6196656	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Loss tolerant entanglement swapping with repetition squeezed coherent states	Shohei Kiryu	Keio University	Japan
PO-CC-003	6196953	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Distimation's Real-world Performance on a Superconducting Quantum Computer	Hikaru Yokomori	Keio University	Japan
PO-CC-004	6197824	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Linear Programming Approach for Demonstrating Network Nonlocality	Salome Catherine Hayes-Shuptar	Okinawa Institute of Science and Technology	Japan
PO-CC-005	6200731	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Effects of Digital Signal Processing on the Performance of Continuous-Variable Quantum Key Distribution	Shinya Sano	Gakushuin University	Japan
PO-CC-006	6201910	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Loss-tolerant quantum network sensing protocol for arbitrary linear combination of distributed multiple parameters	Yoshihiro Ueda	Keio university	Japan
PO-CC-007	6202097	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Enhancement of the rate-loss scaling for polarization entanglement distribution	Hikaru Shimizu	Keio University	Japan
PO-CC-008	6202499	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Long distance device-independent quantum cryptography with W states	Makoto Ishihara	Keio University	Japan
PO-CC-009	6203933	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Efficient state estimators for quantum networks	Joshua Carlo A. Casapao	Okinawa Institute of Science and Technology Graduate University	Japan
PO-CC-010	6204830	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Fidelity Analysis of Entanglement Swapping with Bell Pairs of Varying Initial Fidelities	Masato Kai	Graduate school of Pure and Applied Sciences, University of Tsukuba	Japan
PO-CC-011	6205489	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Optical properties of single photons emitted from a single rare-earth ion confined in the tapered fiber	Kaito Shimizu	Tokyo University of Science	Japan
PO-CC-012	6205865	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	The State-refocusing Square Root Instrument and its applications on Quantum Correlations such as Uncertainty Principle	Jiaxi Kuang	Nagoya University	Japan
PO-CC-013	6206098	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Novel Quantum Fidelity and Latency Link Metric for Entanglement Routing Design in Quantum Networks	Trang Thu NGUYEN	Japan Advanced Institute of Science and Technology (JAIST)	Japan
PO-CC-014	6206626	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Toward experimental demonstration of Ancilla-Driven Blind Quantum Computation: Generation of Photonic Three-Qubit Entanglement	Kenta Utsunomiya	Keio University	Japan
PO-CC-015	6206676	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Toward experimental demonstration of Ancilla-Driven Blind Quantum Computation: Numerical analysis of the photonic parameter-blinded variational quantum eigensolver	Manatsugu Tagami	School of Fundamental Science and Technology, Keio University, Japan	Japan
PO-CC-016	6206709	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Scalable Hierarchical QDS-based Quantum Byzantine Agreement for Fully Decentralized Quantum Networks	Kosuke Chino	Faculty of Science and Technology, Keio University	Japan
PO-CC-017	6206766	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Fabrication of gate-defined Quantum dot in a Bull’s Eye optical cavity towards efficient Photon-Spin conversion	Hosumi Sato	Osaka University	Japan
PO-CC-018	6196924	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	SeQUeNCe: A Customizable and Scalable Simulator for Quantum Network Architecture Design and Validation	Rajkumar Kettimuthu	Argonne National Laboratory	United States of America
PO-CC-019	6206987	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Spin-optomechanical diamond cavity for microwave-telecom transduction	Hyuga Oka	Tokyo University	Japan
PO-CC-020	6190602	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 3	Corridor to Park Hall	Investigation of highly-sensitive detection for fluorine-containing molecules with photo-chemically induced dynamic nuclear polarization (photo-CIDNP)	Shoya Shiromizu	Department of Pharmacology, Graduate School of Medicine, Gifu University	Japan
PO-CC-021	6195819	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 3	Corridor to Park Hall	Co-Propagation of Discrete-Variable QKD and Live Carrier-grade C+L-band DWDM Signals with 17dBm launch power	Kotaro Ueda	TOSHIBA Corporation	Japan
PO-CC-022	6196054	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 3	Corridor to Park Hall	High-speed, high-fidelity entanglement generation with a multiplexed cavity-QED network module	Seigo Kikura	Nanofiber Quantum Technologies, Inc. (NanoQT)	Japan
PO-CC-023	6196115	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 3	Corridor to Park Hall	Negative Refraction of Light in an Atomic Medium	Lewis Daniel Ruks	NTT Basic Research Laboratories	Japan
PO-CC-024	6205409	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 3	Corridor to Park Hall	Transmission of single-photon entanglement in 5 km field fiber with dual-band phase stabilization	Eiichiro Kawai	Keio university	Japan

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PO-CC-025	6206014	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 3	Corridor to Park Hall	Polarization insensitive quantum frequency conversion for frequency-multiplexed quantum network	Masatake Yamada	Graduate School of Engineering Science, The University of Osaka	Japan
PO-CC-026	6196422	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 3	Corridor to Park Hall	Evaluation of 50 km spooled two-core fiber towards coexistence of quantum and classical lights	Miho Fujieda	National Institute of Information and Communications Technology	Japan
PO-CC-027	6197896	Quantum Cryptography and Communication	Juy 29	17:10-18:30	Poster 3	Corridor to Park Hall	Activities for a development of QKD module certification scheme in Japan	Yoshimichi Tanizawa	Toshiba Corporation	Japan
PO-CC-028	6199312	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 3	Corridor to Park Hall	Performance Evaluation of Interoperable Key Relay in the Tokyo QKD Network	Mayuko Koezuka	Corporate Laboratory AI Digital R&D Center, Toshiba Corporation	Japan
PO-CC-029	6204665	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 3	Corridor to Park Hall	Bell nonlocality based on cavity-QED and coherent states	Peizhe Li	Okinawa Institute of Science and Technology	Japan
PO-CC-030	6204767	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 3	Corridor to Park Hall	Free-space optical communication technology for satellite-to-ground QKD	Shunsuke OZAWA	National Institute of Information and Communications Technology	Japan
PO-CC-031	6205733	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 3	Corridor to Park Hall	Numerical Analysis of Ultrafast Sum Frequency Generation, including direct physical modeling of quasi-phase matching	Maximilian Constantin Hornauer	Keio University	Japan
PO-CC-032	6206356	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 3	Corridor to Park Hall	Integration of Simulink Real-Time on Speedgoat with External State Machine Control for Quantum Communications Experiments	Randall Wayne Gladen	LQUOM, Inc.	Japan
PO-CC-033	6206812	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 3	Corridor to Park Hall	Automatic Configuration Protocols for Channel Discovery in Optical Quantum Networks	Amin Taherkhani	Project Assistant Professor, Graduate School of Media and Governance, Keio University	Japan
PO-CC-034	6206908	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 3	Corridor to Park Hall	Towards entanglement distribution between frequency-multiplexed absorptive quantum memories	Daisuke Yoshida	Yokohama National University, LQUOM, Inc.	Japan
PO-CC-035	6206813	Quantum Cryptography and Communication	Juy 30	17:10-18:30	Poster 3	Corridor to Park Hall	Analysis of Errors Contributing to Expectation Values Using Correlation Functions and Effective Quantum Volume	Takuma Oketani	Takuma Oketani	Japan