Quantum Computing

Presentation ID	Registration No.	Category	Date	Time	Venue	Room	Abstract Title	Name	Affiliation Name	Country
PO-CP-001	6193130	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Locality-aware Pauli-based computation for local magic state preparation	Yutaka Hirano	The University of Osaka	Japan
PO-CP-002	6193394	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Variational quantum-neural hybrid imaginary time evolution	Hiroki Kuji	Tokyo University of Science	Japan
PO-CP-003	6195729	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Weighted Range-Constrained Ising-Model Decoder for Quantum Error Correction	Xinyi GUO	Kyoto University	Japan
PO-CP-004	6196064	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Doubly-polylog-time-overhead fault-tolerant quantum computation by a polylog-time parallel minimum-weight perfect matching decoder	Yugo Takada	The University of Osaka	Japan
PO-CP-005	6196155	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Determining Molecular Ground State with Quantum Imaginary Time Evolution using Broken-Symmetry Wave Function	Pawan Sharma Poudel	Keio University	Japan
PO-CP-006	6196182	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	22 nm-Gain Cell DRAM for Cryogenic Operation	Tomoki Iwase	Kyoto Institute of Technology	Japan
PO-CP-007	6196190	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Efficient Magic State Distillation by Zero-level Distillation	Tomohiro Itogawa	The University of Osaka	Japan
PO-CP-008	6196269	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	A 4.6-373K Functional 800MS/s 12b Buffer-then-Amplify Charge-Pump-Based Pipelined TI-SAR ADC with Integrated-Active-Hold Technique	Kaoru Yamashita	Keio University	Japan
PO-CP-009	6196606	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Learning the solution of Ising optimization thanks to compressive sensing	Baptiste Pierre Laurent Chevalier	Keio Takeoka Lab	Japan
PO-CP-010	6197029	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	A Scalable Interconnect for FPGA-Based Quantum Error Correction Systems toward FTQC	Junsei Tabata	Graduate School of Science and Technology, Kumamoto University	Japan
PO-CP-011	6197068	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Single-ion spectroscopy of quadrupole transitions in Yb+ with three-dimensional cooling observed using two setups	Takahiro Enomoto	Graduate school of Electronic Science and Engineering , Kyoto University	Japan
PO-CP-012	6197112	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Error Detection in Fixed-Frequency Transmon Qubits with Distance-9 Repetition Code	Nilton F. G. Filho	The University of Osaka	Japan
PO-CP-013	6198899	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Continuous-variable circuit-knitting and state preparation of non-Gaussian states using projective squeezing	Keitaro Anai	The University of Tokyo	Japan
PO-CP-014	6199251	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Construction of Encoding Circuits and Performance Evaluation of Quantum Error Correction Methods for a Quantum BCH Code.	Kohei Yamamoto	Fujii Lab	Japan
PO-CP-015	6200593	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Programmable Temporal-Waveform Shaping of Optical Non-Gaussian Quantum States Generated by Generalized Photon Subtraction	Yu Nishizawa	Department of Applied Physics, School of Engineering, The University of Tokyo	Japan
PO-CP-016	6201947	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Laser cooling and trapping of Yb atoms toward constructing Yb-Rb dual-species atom array	Hiroki Ueda	Graduate School of Engineering Science, The University of Osaka	Japan
PO-CP-017	6202912	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Improvement of Zero-Level Distillation	Yukihiko Kondo	Faculty of Pure and Applied Sciences, University of Tsukuba	Japan
PO-CP-018	6203604	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Sub-100 mK CMOS analog circuits for precision signal generation and acquisition in silicon spin qubit control	Ryozo Takahashi	Kobe University	Japan
PO-CP-019	6203743	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Development of Transition Edge Sensor with high performance for optical quantum computer	Takeshi Jodoi	National Institute of Advanced Industrial Science and Technology	Japan
PO-CP-020	6205050	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	A full-stack neutral-atom quantum computer	omar el farouk kecir	Institute for Molecular Science (IMS), National Institutes for Natural Sciences, Okazaki	Japan
PO-CP-021	6205062	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Sidewall Spacer Passivated Epitaxial NbN/AlN/NbN Trilayer Josephson Junctions for Superconducting Qubits	Koki Honda	Tohoku University	Japan
PO-CP-022	6205165	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	A resonant microwave-to-optical quantum transducer based on a diamond color center	Kyosuke Goto	Department of Physics, Graduate School of Engineering Science, Yokohama National University	Japan
PO-CP-023	6205423	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Time-resolved imaging of normal mode of parallel ion chains	Ryosuke Nishimoto	Graduate School of Engineering Science, The University of Osaka	Japan
PO-CP-024	6205425	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Fiber-Integrated Diamond Optomechanical Crystal with Embedded NV Centers	Kiyotaka Sato	yokohama national university	Japan

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PO-CP-025	6205837	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Logical entanglement generation to connect 2D-array-qubit systems	Yuya Maeda	Osaka university	Japan
PO-CP-026	6205885	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Towards Cavity QED with Trapped Barium Ions	Savelii Dudoladov	OIST	Japan
PO-CP-027	6206395	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Realization of Control of the Superconducting resonator with Josephson coupler	Genta Ando	Komaba Institute for Science, University of Tokyo / RIKEN Center for Quantum Computing	Japan
PO-CP-028	6206413	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Implementation of peripheral technologies for large-scale integration of silicon spin qubits	Riku Wada	Dept. of Electrical and Electronic Engineering, Institute of Science Tokyo	Japan
PO-CP-029	6206420	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Coherent control and concatenated continuous driving of a silicon hole spin qubit at elevated temperatures toward high-fidelity hot spin qubits	Yusuke Sato	Department of Electrical and Electronic Engineering, Institute of Science Tokyo	Japan
PO-CP-030	6206487	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Demonstration of Hong-Ou-Mandel Interference Using Diamond Color Center	Daisuke Ito	Yokohama National University	Japan
PO-CP-031	6206491	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Highly Biased Spin Cat Qubit with 173Yb atoms	Toshi Kusano	Department of Physics, Graduate School of Science, Kyoto University	Japan
PO-CP-032	6206495	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Toward optically addressable fault tolerant quantum memory	Kansei Watanabe	Department of Physics	Japan
PO-CP-033	6206653	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Non-Destructive Spin-Photon Entanglement Generation with the Nitrogen Nuclear Spin Memory of a Diamond NV Center	Taichi Fujiwara	Department of Physics, Graduate School of Engineering Science, Yokohama National University	Japan
PO-CP-034	6206732	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Estimates of entanglement generation rate and error rate in entanglement purification using superconducting quantum routers	Takumi Kobayashi	Yokohama National University	Japan
PO-CP-035	6206780	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Optimizing Spin Qubit Shuttling in Si/SiGe Simulation including Random Alloy Disorder	Kenichiro Senda	Osaka University	Japan
PO-CP-036	6206990	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	The design, fabrication and examination of a 3D Y-junction ion trap	Naoto Hiramatsu	Department of Nuclear Engineering, Graduate School of Engineering, the University of Tokyo	Japan
PO-CP-037	6207020	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Realization of maximally-entangling two-qutrit gates using the Cross-Resonance scheme	Yash Saxena	Indraprastha Institute of Information Technology, New Delhi, India	India
PO-CP-038	6196016	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Bacon-Shor Board Games	Jiajun Chen	Okinawa Institute of Science and Technology Graduate University	Japan
PO-CP-039	6196930	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Spatiotemporal Encoding of Itinerant Microwave Photons and Mode-Selective Absorption	Keika Sunada	The University of Tokyo	Japan
PO-CP-040	6197162	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Comparison of the accuracy of decoder soft outputs on the surface code	Tim Chan	University of Oxford	United Kingdom of Great
PO-CP-041	6203973	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Implementing cosμφ elements in superconducting qubits	Cheng-Li Chen	Department of Applied Physics, Graduate School of Engineering, The University of Tokyo	Japan
PO-CP-042	6204209	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Quantum Implementation of Information Set Decoding for Fixed-Weight Nearest Neighbor Problem	Tomoki Kano	Shibaura Institute of Technology	Japan
PO-CP-043	6204308	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Reducing T-depth in Quantum Oracle Generation by Selecting Improve Toffoli Gates to Decompose MCT Gates Simultaneously	Zanhe Qi	Ritsumeikan University	Japan
PO-CP-044	6205413	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Quantum model reduction based on Oja's flow	Miguel Angel Casanova Medina	University of Padova	Japan
PO-CP-045	6206611	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Parallelization of Hadamard Test	Soichiro Imamura	The University of Tokyo	Japan
PO-CP-046	6206916	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Parametrized quantum instruments	Haruki Emori	Hokkaido University	Japan
PO-CP-047	6193340	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	A multi-product commutation relation for transpiling Clifford+T circuits	Yusei Mori	The University of Osaka	Japan
PO-CP-048	6193422	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Observation and Analysis of Phonon Propagation in a Many-ion Array under Harmonic Potential	Takumi Yuri	The University of Osaka, Graduate School of Engineering Science	Japan

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Presentation ID	Registration No.	Category	Date	Time	Venue	Room	Abstract Title	Name	Affiliation Name	Country
PO-CP-049	6195884	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	On the quantum computational complexity of classical linear dynamics with geometrically local interactions: Dequantization and universality	Kazuki Sakamoto	Graduate School of Engineering Science, The University of Osaka	Japan
PO-CP-050	6195892	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Polynomial time constructive decision algorithm for multivariable quantum signal processing	Yuki Ito	Graduate School of Engineering Science, The University of Osaka	Japan
PO-CP-051	6195966	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Large-Scale Quantum Device Benchmarking via LXEB with Particle-Number-Conserving Random Quantum Circuits	Takumi Kaneda	Graduate School of Engineering Science, The University of Osaka	Japan
PO-CP-052	6196253	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Derandomization of Random Advice for Relational Problems in Heuristic Complexity	Natsuto Isogai	The University of Tokyo	Japan
PO-CP-053	6196491	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Quantum Functional Protocols with Partial Knowledge	Timothy Forrer	University of Tokyo	Japan
PO-CP-054	6197702	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	The State Preparation of Multivariate Normal Distribution using Tree Tensor Network	Hidetaka Manabe	Osaka university	Japan
PO-CP-055	6198427	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Learning Functions of Hamiltonians with Hamiltonian Fourier Features	Yuto Morohoshi	The University of Osaka	Japan
PO-CP-056	6200643	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Characterizing Conditions for Reducing Qubit Requirements in Quantum Instruments via Weak Signaling	Kosuke Matsui	The University of Tokyo	Japan
PO-CP-057	6202508	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Observation of Josephson harmonics before and after the alternating-bias assisted annealing	Haruki Kikuchi	Department of Applied Physics, Graduate School of Engineering, The University of Tokyo	Japan
PO-CP-058	6203199	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Quantum Power Iteration Unified Using Generalized Quantum Signal Processing	Viktor Khinevich	The University of Osaka	Japan
PO-CP-059	6204282	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Simulation and performance analysis of quantum error correction with a rotated surface code under a realistic noise model	Mitsuki Katsuda	Osaka University	Japan
PO-CP-060	6205297	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Neural-network-assisted Monte Carlo sampling trained by Quantum Approximate Optimization Algorithm	Yuichiro Nakano	The university of osaka	Japan
PO-CP-061	6206122	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Singular value transformation for unknown quantum channels	Ryotaro Niwa	University of Tokyo	Japan
PO-CP-062	6188085	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Study on the Effectiveness of Quench in Quantum Annealing	Keita Takahashi	Keio University	Japan
PO-CP-063	6189769	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Effects of Quantum Annealing Correction Using Copies with Interactions for Frustrated Ring Model	Tomohiro Hattori	Keio University	Japan
PO-CP-064	6191671	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Optimization performance of factorization machine with annealing using sequentially built training dataset	Mayumi Nakano	Keio University	Japan
PO-CP-065	6194889	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Evaluating Solution Quality in Multi-Objective Vehicle Routing Problems with Higher-order Terms	Kazuki Ikeuchi	Keio University	Japan
PO-CP-066	6194915	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Multi-Penalty Sample Persistence Variable Reduction for Constrained Combinatorial Optimization Problems	Shunta Ide	Department of Applied Physics and Physico-Informatics, Keio University	Japan
PO-CP-067	6195159	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Evaluating the solution performance of the augmented Lagrange method on Ising machines	Shunsuke Awai	Keio University	Japan
PO-CP-068	6196112	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Gibbs sampling based on quantum-classical correspondence theory	Tetsuro Abe	Keio University	Japan
PO-CP-069	6196946	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Evaluating the solution performance of Large Neighborhood Search with inequality constraints using an Ising machine	Koshiro Fujimoto	Keio University	Japan
PO-CP-070	6199129	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Recent progress of electron resistance measurement on the surface of solid neon	Ka Wing Yip	Okinawa Institute of Science and Technology	Japan
PO-CP-071	6200231	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Spin-dependent optical properties of Ce-implanted Mg2SiO4	Manato Kawahara	Tohoku Univ.	Japan
PO-CP-072	6197839	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Exponential distillation of dominant eigenproperties	Araki Tenzan	University of Oxford	United Kingdom of Great

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PO-CP-073	6197943	Quantum Computing	Juy 29	17:10-18:30	Poster 1	Park Hall 1+2	Microwave amplification by using Niobium-based Josephson-junction array parametric oscillator	Ching-Ping Lee	National Tsing Hua University	Taiwan
PO-CP-074	6204383	Quantum Computing	Juy 30	17:10-18:30	Poster 1	Park Hall 1+2	Fault Resilience of Dissipative Processes for Quantum Computing	James Purcell	Oxford University	United Kingdom of Great
PO-CP-075	6192373	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Clifford gates with logical transversality for self-dual CSS codes	Theerapat Tansuwannont	Center for Quantum Information and Quantum Biology, The University of Osaka	Japan
PO-CP-076	6193239	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	A Quantum Operating System for Neutral Atom Computers with Dynamic Atomic Arrays	Chihiro Yoshimura	Hitachi, Ltd.	Japan
PO-CP-077	6193851	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Development of Scalable Highly Integrated Quantum Bit Error Correction System (QUBECS)	Kazutoshi Kobayashi	Kyoto Institute of Technology	Japan
PO-CP-078	6195283	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Atom-photon interface based on nanofiber cavity QED with ytterbium atoms	Hideki Ozawa	Nanofiber Quantum Technologies, Inc.	Japan
PO-CP-079	6195401	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Investigation of Two-Step Heterogeneous Iridium Films for Optical TES with Tunable Resistance and Photon Absorptance	Daizoh Nagahara	Institute of Engineering Innovation, School of Engineering, The University of Tokyo	Japan
PO-CP-080	6195528	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Decoupling a singlet-triplet qubit from charge noise	Juan S. Rojas-Arias	RIKEN	Japan
PO-CP-081	6196085	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Electron-channel blockade for plasmonic wave packets	Shintaro Takada	Department of Physics, Graduate School of Science, Osaka University	Japan
PO-CP-082	6196777	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Development of a Time-Division Multiplexed Electrode Control System for Trapped-Ion QCCD Architectures	Ryutaro Ohira	QuEL, Inc.	Japan
PO-CP-083	6196809	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Development of Ultrahigh-precision Ion Implantation System Based on Laser-cooled Ion Source	Koichi Hosaka	National Institutes for Quantum Science and Technology (QST)	Japan
PO-CP-084	6199649	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Cross-correlated charge noise characterization in a series silicon double quantum dot based on transport currents	Jun Yoneda	University of Tokyo	Japan
PO-CP-085	6201098	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Critical Temperature Modulation on Iridium TES Induced by FIB Processing	M. Amin Choghadi	The University of Tokyo	Japan
PO-CP-086	6202727	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	All-optical feedforward with THz-bandwidth optical parametric amplifier enabling ultra-fast quantum information processing	Taichi Yamashima	NTT Device Technology Laboratories	Japan
PO-CP-087	6203385	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Signal routing implementation using TSV-integrated interposers for scalable Si qubits	Misato Taguchi	Kobe University	Japan
PO-CP-088	6203711	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Detection Efficiency Calibration of Superconducting Transition-Edge Sensors for Quantum Photonics Applications	Tetsuya Tsuruta	Global Research and Development Center for Business by Quantum-AI Technology	Japan
PO-CP-089	6203932	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	PPLN monolithic integration chip of OPAs and signal/pump divider for ultra-fast optical quantum processors	Asuka Inoue	NTT Device Technology Laboratories	Japan
PO-CP-090	6204535	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	System Architecture for Quantum Error Correction in Silicon: Quantum Operating System and Shuttling-Based Surface Code Analysis	Ryuji Ukai	Hitachi, Ltd. Research & Development Group	Japan
PO-CP-091	6204691	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Multiwavelength, multizone photonic architecture for ion traps	Alto Osada	The University of Osaka	Japan
PO-CP-092	6204956	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Exploring Graph State Local Equivalence Classes with Distance Hereditary Split Decompositions	Nicholas Smith Connolly	Okinawa Institute of Science and Technology	Japan
PO-CP-093	6205039	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Frequency design for improving the yield of fixed-frequency superconducting qubit system using siZZle-CZ gates	Kazuhisa Ogawa	The University of Osaka	Japan
PO-CP-094	6205077	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Research and development on time standards contributing to quantum computers using ultracold neutral atoms	Takumi Kobayashi	National Institute of Advanced Industrial Science and Technology	Japan
PO-CP-095	6205120	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Photonic Link-Based Microwave Transmission from Room Temperature for Qubit Control in Cryogenic Environments	Hidehisa Shiomi	Center for Quantum Information and Quantum Biology, The University of Osaka	Japan
PO-CP-096	6196243	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Long-Term Stability Assessment of Multi-Channel Microwave Outputs and Theoretical Analysis of the Impact of Static Errors on Quantum Gate Fidelity	Yoshinori Kurimoto	QuEL, Inc.	Japan

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PO-CP-097	6203501	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Low-bond-dimension binary tensor network approximation as a task for quantum computers	Wojciech Roga	Keio University	Japan
PO-CP-098	6203751	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	40Ca Ion Trap using Surface Electrode	Chao Zhang	The University of Tokyo	Japan
PO-CP-099	6194993	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Data compression using Quantum algorithm for Navigation	Sunsuke Sotobayashi	Keio Univeristy Sustainable Quantum AI center	Japan
PO-CP-100	6195052	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Measuring Trotter Error and Precision-Guaranteed Hamiltonian Simulations	Tatsuhiko N. Ikeda	ZEN University	Japan
PO-CP-101	6195424	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	TE-PAI: Exact Time Evolution by Sampling Random Circuits	Chusei Kiumi	Center for Quantum Information and Quantum Biology, The University of Osaka	Japan
PO-CP-102	6196091	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Quantum-inspired optimization of nanoparticle catalysts using tensor trains	Tuan Minh Do	The University of Osaka	Japan
PO-CP-103	6196255	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Variational Quantum Circuit Optimization via Density Matrix Renormalization Group	Shohei Miyakoshi	Osaka University	Japan
PO-CP-104	6196529	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Adaptive sampling-based optimization of quantics tensor trains for noisy functions: applications to quantum simulations	Kohtaroh Sakaue	The University of Tokyo	Japan
PO-CP-105	6197021	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Reducing Quantum Cloud Job Latency: Quantum-Classical Hybrid Execution and Quantum Multi-programming	Ryo Uchida	Systems Engineering Consultants Co.,LTD.	Japan
PO-CP-106	6198397	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Time-stepping Hamiltonian Simulation for Solving Non-linear PDEs via Schrodingerisation	Sangwon Kim	RIKEN	Japan
PO-CP-107	6202324	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Bath-Driven Quantum-Spin Transistor	Heitor Peres Casagrande	Okinawa Institute of Science and Technology	Japan
PO-CP-108	6203119	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Quantum Memory Resource Advantage in Reinforcement Learning	Hon Wai Lau	Okinawa Institute of Science and Technology	Japan
PO-CP-109	6203656	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	A T-count and T-depth optimal 3-input Boolean phase oracle library	David Lawrence Bantug Clarino	Ritsumeikan University	Japan
PO-CP-110	6204348	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Advancing Electron-on-Helium Quantum Sensing From Corbino Devices to Microchannel-Integrated RF Reflectometry	Saurabh Singh	Quantum Dynamics Unit, Okinawa Institute of Science and Technology, Okinawa, 904-0495, Japan	Japan
PO-CP-111	6204879	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	OQTOPUS: An Open-Source Software Stack for Cloud-Based Quantum Computing	Takafumi Miyanaga	Center for Quantum Information and Quantum Biology, The University of Osaka	Japan
PO-CP-112	6205645	Quantum Computing	Juy 29	17:10-18:30	Poster 2	Foyer in front of Park Hall	Classical and Quantum Computation of Iron-Sulfur Clusters for Nitrogen Fixation	Satoru Yamada	Div.3 of Biological and Molecular Sciences	Japan
PO-CP-113	6205660	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Estimating energy-level differences via dynamics simulation on quantum circuits	Norifumi Matsumoto	Fujitsu Limited	Japan
PO-CP-114	6206211	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Classical and Quantum Computation of Mn Oxide Clusters for Water Oxidation in Oxygen Evolving Complex of Photosystem II	Kizashi Yamaguchi	Center for Quantum Information and Quantum Biology	Japan
PO-CP-115	6206350	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Co-activation pattern detection using Ising machines and its application to multi-dimensional neuronal data	Kei Majima	National Institutes for Quantum Science and Technology	Japan
PO-CP-116	6205287	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Towards the realization of a superconducting strip photon detector system with over hundreds of channels	Shigehito Miki	National Institute of Information and Communications Technology	Japan
PO-CP-117	6205338	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Josephson Junctions with Ferromagnetic Insulators for High-Coherence Superconducting Qubits	Daiki Kurihara	Department of Applied Physics, Graduate School of Engineering, Tohoku University	Japan
PO-CP-118	6205507	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Fundamental spin-qubit operations on quantum-chips fabricated in CMOS-compatible foundry	takuma kuno	Hitachi, Ltd.	Japan
PO-CP-119	6205578	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Performance of Academic and Industrial Spin-1/2 Qubits in Si-28/SiGe	Leon C. Camenzind	CEMS RIKEN	Japan
PO-CP-120	6205723	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Reliable low-phase-noise laser source for quantum computing with neutral atoms	Hajime Inaba	NMIJ, AIST	Japan

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PO-CP-121	6205753	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Comparative evaluation of electron- and hole-properties in silicon quantum dots	Shunsuke Ota	Department of Electrical and Electronic Engineering, Institute of Science Tokyo	Japan
PO-CP-122	6205998	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Low-Latency FPGA-Based Syndrome Graph Pruning for scalable Quantum Error Correction Decoders	Prasoon Ambalathankandy	RIKEN Center for Computational Sciences	Japan
PO-CP-123	6206035	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Investigation of Error Statistics in Surface Codes to Guide QEC Decoder Research	Jan-Erik R. Wichmann	RIKEN Center for Computational Science	Japan
PO-CP-124	6206050	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Design and numerical simulations of bicolor waveguide crossings for ion traps	Koichiro Miyanishi	Center for Quantum Information and Quantum Biology, The University of Osaka	Japan
PO-CP-125	6206404	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Galvanically connected tunable coupler between a cavity and a waveguide	Kazuki Koshino	Institute of Science Tokyo	Japan
PO-CP-126	6206507	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Monte Carlo simulation of atom transport with optical tweezers	Makoto Yamashita	Center for Quantum Information and Quantum Biology, The University of Osaka	Japan
PO-CP-127	6206606	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Development of Large Dilution Refrigerators for Quantum Computers	Tatsuhiro Nozue	ULVAC CRYOGENICS INCORPORATED	Japan
PO-CP-128	6206629	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Long-Term stability measurement with 64 fixed-frequency transmons	Koichiro Ban	The University of Osaka	Japan
PO-CP-129	6206673	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Non-Gaussian Optical Quantum State Generation for Optical Quantum Information Processing	Mamoru Endo	The University of Tokyo	Japan
PO-CP-130	6206757	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Charge sensing in an InAs gate-defined quadruple quantum dot	Nozomu Hayashi	SANKEN, the university of Osaka	Japan
PO-CP-131	6206860	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Configuration design of multi-mode Gaussian operations on continuous-variable quad-rail lattice cluster states	Jun-ichi Yoshikawa	RIKEN	Japan
PO-CP-132	6206922	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Focusing grating coupler for ion-trap quantum computing	Hiromu Sato	Institute for Materials Chemistry and Engineering, KYUSHU UNIVERSITY.	Japan
PO-CP-133	6206959	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Development of MEMS optical cavities towards the large-scale ion-trap quantum computer	Tomoya Irimatsugawa	Okinawa Institute of Science and Technology	Japan
PO-CP-134	6206967	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Remote Operation-Aware Logical Qubit Allocation by Central Controller in Fault Tolerant Distributed Quantum Computing	Daisuke Sakuma	Keio University	Japan
PO-CP-135	6206971	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	High-Fidelity Control and Noise Effect in Si/SiGe Spin Qubits	Takashi Nakajima	RIKEN Center for Emergent Matter Science	Japan
PO-CP-136	6206989	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Quantum Phase and Information Entropy Dynamics of Molecules Interacting with Quantum Photon Fields	Masayoshi Nakano	Center for Quantum Information and Quantum Biology	Japan
PO-CP-137	6188758	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Does there exist a quantum fingerprinting without coherent measurements?	Atsuya Hasegawa	Nagoya University	Japan
PO-CP-138	6190590	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Group Order is in QCMA	Dhara R Thakkar	Graduate School of Mathematics, Nagoya University	Japan
PO-CP-139	6190923	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Even-Cycle Detection in the Randomized and Quantum CONGEST Model	Mael Luce	Nagoya University	Japan
PO-CP-140	6195294	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Upper bounding the quantum space complexity for computing class group and principal ideal problem	Iu-Iong Ng	Waseda University	Japan
PO-CP-141	6195545	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Probabilistic storage-and-retrieval of pure quantum combs	Wataru Yokojima	The University of Tokyo	Japan
PO-CP-142	6196024	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	A Solovay?Kitaev theorem for quantum signal processing	Zane Marius Rossi	University of Tokyo	Japan
PO-CP-143	6197024	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Quantum-classical hybrid auxiliary-field quantum Monte Carlo approach with quantum selected configuration interaction	Yuichiro Yoshida	The University of Osaka	Japan
PO-CP-144	6200360	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Low-intrinsic-loss Josephson traveling-wave parametric amplifiers	C. W. Sandbo Chang	SQERT	Japan

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PO-CP-145	6201792	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Improved quantum algorithm for calculating eigenvalues of differential operators and its application to estimating the decay rate of the perturbation distribution tail in stochastic inflation	Koichi Miyamoto	The University of Osaka	Japan
PO-CP-146	6206938	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Ancilla-free T-optimal Clifford+T synthesis for single-qubit unitaries	Hayata Morisaki	The University of Osaka	Japan
PO-CP-147	6185924	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Analytical lower bound on query complexity for transformations of unknown unitary operations	Tatsuki Odake	The University of Tokyo	Japan
PO-CP-148	6195696	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Evaluation of subproblem size dependency in a hybrid optimization method	Shuta Kikuchi	Keio University	Japan
PO-CP-149	6196773	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	Enhancing the operation, usability, and community engagement of quantum computing systems	Hideaki Oba	RIKEN Center for Quantum Computing	Japan
PO-CP-150	6202353	Quantum Computing	Juy 30	17:10-18:30	Poster 2	Foyer in front of Park Hall	MM-wave tomography of electron chain in on-chip microtrap	Mikhail Belianchikov	Okinawa Institute of Science and Technology (OIST) Graduate University	Japan