

### QCE24 Poster Presentation Schedule sorted by EasyChair Number (EC)

QCE24 Poster Presentation Schedule sorted by Poster Board Number (PO-EC)

The QCE24 Reception on Monday evening will kick off the QCE24 Exhibits, Posters, and Theatre presentations — Sep 16 @ 18:30-20:00.

The Exhibits, Posters, and Theatre area will be open Tuesday, Wednesday, and Thursday from 10:00 to 17:00.

Posters presentations are scheduled during the breaks at 10:00-10:30, 11:30-13:00, 14:30-15:00, and 16:30-17:00.

Each poster is allocated three time slots: Monday evening and two slots Tue-Thu as outlined in the schedule below.

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#	EC	PO	PO-EC	Q-Tag	Time 1	Time 2	Time 3	Poster Authors -- Rows sorted by EasyChair Number (EC)	Poster Title
1	659	19	19-659	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Akiyoshi Wakatani	Optimization of quantum annealing for the capacitated vehicle routing
2	753	11	11-753	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Nifeeya Singh, Abhishek, Pooja Siwach, P. Arumugam	Quantum Algorithm for Linear Response of Nuclei
3	756	31	31-756	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Muhammad Asad Ullah, Ahsan Javed Awan, Elias Svensson	Towards Compute Capacity Maximization in Constrained Interconnect Multi-
4	759	27	27-759	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Athira Kalavampara Raghunadhan, Matheus Guedes De Andrade, Don	Optimal Monitor Placement in Quantum Network Tomography
5	767	27	27-767	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Shu-Yu Kuo, Chia-Lin Liu, Yu-Chi Jiang, Yao-Hsin Chou, Sy-Yen Kuo	Enhanced Quantum Secret Sharing with Reduced Resource Consumption
6	768	33	33-768	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Hiroshi Kanai, Shu Tanaka	Static and Dynamic Analysis of Energy Landscape Transformation of the Ising
7	771	17	17-771	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Rei Sato, Kazuhiro Saito	Circuit Implementation of Discrete-Time Quantum Walks on Complex
8	782	23	23-782	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Ryosuke Matsuo, Kazuhisa Ogawa, Hidehisa Shiomi, Makoto Negoro, Ryutaro	Square-wave defined pulse generator for high fidelity gate operation of
9	786	29	29-786	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	Tatsuya Noguchi, Keisuke Fukada, Siya Bao, Nozomu Togawa	Multi-day Intermodal Trip Planning Using subQUBO Annealing with Correction
10	799	41	41-799	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Hany Ali, Jorge Marques, Ophelia Crawford, Joonas Majaniemi, Marc Serra-	Reducing the error rate of a superconducting logical qubit using analog
11	803	13	13-803	QECM	Mon 18:30	Tue 11:30	Wed 9:30	An Ning, Yu-Tsung Tai	Advanced Zero Noise Extrapolation for Quantum Error Mitigation
12	817	19	19-817	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Yuta Yachi, Masashi Tawada, Nozomu Togawa	QUBO Coefficient Dynamic Ratio Shrinking Method for Quantum Annealers
13	818	21	21-818	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Pulak Ranjan Giri, Mori Kurokawa, Kazuhiro Saito	Fast variational knowledge graph embedding
14	820	17	17-820	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Rei Tokami, Yasunari Suzuki, Yuuki Tokunaga	Quantum Circuit Fragments: Efficient and verifiable format for quantum
15	825	23	23-825	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Mario Schloesser, Luis Eduardo Ardila-Perez, Robert Gartmann, Lukas	Scalable Room Temperature Control Electronics for Advanced High-Fidelity
16	829	21	21-829	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Valter Uotila	Quantum Natural Language Processing Application for Estimating SQL Query
17	834	11	11-834	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Yota Maeda, Ken Arai, Yu Tanaka, Yu Terada, Hiroshi Ueno, Hiroyuki Tezuka	Quantum PC algorithm: data-efficient and nonlinear causal discovery
18	835	23	23-835	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Marco Riccardi, Roberto Menta, Francesco Cioni, Riccardo Aiudi, Marco Polini,	Global control in a superconducting quantum computer
19	836	31	31-836	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Junyong Lee, Jeihee Cho, Daniel Justice, Shiho Kim	Towards Explainability of Classical Neural Network via Quantum Computing
20	837	37	37-837	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Handy Kurniawan, Valentin Savin, Carmen G. Almudever, Francisco Garcia-	Noise-Aware Compilation Techniques for Enhanced Fault-Tolerant Preparation
21	838	13	13-838	QECM	Mon 18:30	Tue 11:30	Wed 9:30	Stasiu Wolanski, Ben Barber	Introducing Ambiguity Clustering: an accurate and efficient decoder for qLDPC
22	839	37	37-839	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Sora Tomita, Tatsuhiko Shirai, Nozomu Togawa	Variable reduction method for quadratic three-dimensional assignment
23	840	17	17-840	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Ibrahim Shehzad, Edwin Pednault, James Garrison, Caleb Johnson, Bryce	Automated cut finding and circuit knitting on large quantum circuits
24	841	19	19-841	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Chihiro Dogo, Kazuhiro Saito, Nozomu Togawa	Optimization of Base Station Power Supply Selection by Quantum Annealing
25	842	19	19-842	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Sean Borneman	Quantum Annealing for the Set Splitting Problem
26	843	13	13-843	QECM	Mon 18:30	Tue 11:30	Wed 9:30	Ming Wang, Frank Mueller	Rate Adjustable Bivariate Bicycle Codes for Quantum Error Correction
27	844	41	41-844	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Neel Vora, Yilun Xu, Akel Hashim, Neelay Fruitwala, Nam Nguyen, Horan Liao,	QubiCML: ML-Powered Real-Time Quantum State Discrimination Enabling Mid-
28	845	33	33-845	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Yujin Kang, Youshin Chung, Huidan Zheng, Sungyeon Kook, Jun Heo	Magic State Distillation with Reduced Time Cost
29	846	13	13-846	QECM	Mon 18:30	Tue 11:30	Wed 9:30	Quinn Langfitt, Ji Liu, Benchen Huang, Alvin Gonzales, Kaitlin Smith, Nikos	Pauli Check Extrapolation for Quantum Error Mitigation
30	848	17	17-848	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Yutaro Akahoshi, Jun Fujisaki, Hirotaka Oshima, Shintaro Sato, Keisuke Fujii	General-purpose Quantum Circuit Generator for Partially Fault-Tolerant
31	849	11	11-849	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Kyoung Keun Park, Beomgeun Cho, Kwangyeul Choi, Taehyun Kim	Quantum Algorithm for Searching Resonant Frequency based on Frequency
32	850	39	39-850	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Kwangyeul Choi, Kyoung Keun Park, Taehyun Kim	Reducing Quantum Measurement Repetitions in Image Classification through
33	851	39	39-851	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Marco Venere, Adriano Lusso, Victor Onofre, Alberto Maldonado-Romo, Marco	Characterizing the Effects of Zero-Noise Extrapolation on a QAOA Workflow
34	852	43	43-852	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Kinya Iwata, Masashi Tawada, Nozomu Togawa	Non-zero Coefficients Removing Method to Improve the Ising Machine Solving
35	853	29	29-853	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	Takeru Ota, Keisuke Fukada, Nozomu Togawa	Personalized Course Selection Optimization Using an Ising Machine
36	854	25	25-854	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Keisuke Fukada, Tatsuhiko Shirai, Mikio Morita, Yoshinori Tomita, Koichi	Large-sized VQE Performance Profiling in Quantum Chemistry using a Multi-
37	856	43	43-856	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Kanta Hino, Shu Tanaka	Physical Properties of Error Reduction Algorithms for Ising Machines
38	857	25	25-857	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Daniel Talaván-Vega, Pablo Fernández-Alonso, Paloma Rodríguez-Oliver,	Performance Evaluation of the Intel Quantum Simulator on the Lusitania
39	858	41	41-858	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Ruotai Wang, Takashi Sato, Hiromitsu Awano	Exploring Surface Code Decoding via Cryo-CMOS for Fault-Tolerant Quantum
40	859	33	33-859	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Christophe Goeller, Anette Messinger, Michael Fellner, Berend Klaver, Valentin	Fault-tolerant quantum computing with the parity code: discrete and bosonic
41	860	31	31-860	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Giuseppe Bisicchia, Giuseppe Clemente, Jose Garcia-Alonso, Juan Manuel	Distributing Quantum Computation Across Multiple NISQ Computers
42	862	31	31-862	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Tariq Almuqbil, Muhamad Felemban	Discovery of Quantum Algorithms Using Genetic Algorithms: Exponential

Poster Presentation Schedule

43	865	15	15-865	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Anthony Kim	Hybrid Quantum-Classical Neural Network For Diagnosis of Autism Spectrum
44	866	14	14-866	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Balint Pato, Qiang Miao, Kenneth Brown	Optimal decoding of 2D compass codes under coherent noise
45	868	21	21-868	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Damir Cavar, Chi Zhang	Semantic Similarities using Classical Embeddings in Quantum NLP
46	872	37	37-872	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Tyler LeBlond, Ryan Bennink	Advanced Resource Estimation through Lattice Surgery Compilation and
47	882	37	37-882	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Ellie Vogel, Chuck Garcia, Wei Tang, Margaret Martonosi	Accelerating Quantum Subcircuit Reconstruction Utilizing Multi-Node
48	888	35	35-888	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Chen-Yu Liu, Chu-Hsuan Abraham Lin, Wei-Jia Huang, Min-Hsiu Hsieh	Introduction to Quantum-Train Toolkit
49	890	39	39-890	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Joshua Cudby, Sergii Strelchuk	Quantum Algorithms for Genome Sequencing and Analysis
50	895	21	21-895	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Chi Zhang, Akriti Kumari, Damir Cavar	Entangled Meanings: Classification and Ambiguity Resolution in Near-Term
51	897	29	29-897	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	René Zander, Raphael Seidel, Matteo Inajetovic, Niklas Steinmann, Matic	Solving the Product Breakdown Structure Problem with constrained QAOA
52	898	25	25-898	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Seongmin Kim, In-Saeng Suh	Simulations of Quantum Approximate Optimization Algorithm on HPC-QC
53	906	23	23-906	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Luis Ardila-Perez, Marvin Fuchs, Robert Gartmann, Lukas Scheller, Mario	The Quantum Interface Controller: A Full-Stack, Modular, and Scalable
54	913	29	29-913	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	Eneko Osaba, Esther Villar-Rodriguez, Antón Asla	Exploring Utility in a Real-World Warehouse Optimization Problem:
55	914	24	24-914	QTEM-1	Mon 18:30	Wed 11:30	Thu 9:30	Takefumi Miyoshi, Keisuke Koike, Shinichi Morisaka, Toshi Sumida, Makoto	A Microwave-based QCCD Trapped-Ion Quantum Computer with Scalable
56	915	15	15-915	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Paolo Zentilini, Sebastiano Corli, Enrico Prati	Emulation of QAOA via Graph Neural Networks
57	918	22	22-918	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Lila Cadi Tazi, Ilyes Batatia, Alex J.W. Thom, Gábor Csányi	QUACE : symmetrized molecular descriptors on a quantum circuit
58	926	33	33-926	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Francesco Monzani, Emanuele Ricci, Luca Nigro, Enrico Prati	Enforcing fading memory of noisy quantum echo state networks
59	927	14	14-927	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Joshua Gao, Ji Liu, Alvin Gonzales, Zain Saleem, Nikos Hardavellas, Kaitlin	Pauli Check Sandwiching for Quantum Characterization and Error Mitigation
60	928	15	15-928	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Abhiram Nallamalli, Shantanu Misra, Gregory Quiroz	Learning Spatiotemporally Correlated Noise in Multi-Qubit Systems with
61	930	35	35-930	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Hyeok Kim, Kaitlin Smith	Interaction Techniques for User-friendly Interfaces for Gate-based Quantum
62	931	36	36-931	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Anika Zaman, Hiu Yung Wong	A Heuristic Error Analysis Framework for Error Bottleneck Identification in Gate-
63	933	18	18-933	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Waldemir Cambiucci, Regina Melo Silveira, Wilson Vicente Ruggiero	Hypergraphic partitioning for spatial and temporal quantum circuit cutting
64	934	30	30-934	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	Wei-Hao Huang, Hiromichi Matsuyama, Yu Yamashiro	Hybrid Quantum-Classical Algorithm for Solving Capacitated Vehicle Routing
65	935	15	15-935	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Debanjan Konar, Ria Khatoniar, Vaneet Aggarwal	Quantum-enhanced Spiking Neural Networks
66	937	39	39-937	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Jeihee Cho, Junyong Lee, Shiho Kim	Understanding of the Diffusion Noise in Quantum Latent Diffusion Model
67	938	32	32-938	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Philipp Moser, Alexander Maletzky, Michael Giretzlehner	HN-PQE: Hardware-Native Parameterized Quantum Embedding for Noise-
68	939	43	43-939	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Fabrizio Orlando, Deborah Volpe, Giacomo Orlandi, Fabrizio Riente, Marco	Engineering Discrete Simulated Bifurcation for an FPGA Digital Ising Machine
69	940	43	43-940	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Christian Conti, Deborah Volpe, Giovanni Amedeo Cirillo, Mariagrazia	Towards Quantum Circuit Emulation on Low-Tier FPGAs
70	943	38	38-943	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	David Lawrence Bantug Clarino, Kyouhei Seino, Atsushi Matsuo, Shigeru	Utilizing Don't-Cares to Minimize CNOTs in Synthesizing NNA Compliant
71	946	11	11-946	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Gordon Cui, Rei Sato, Kazuhiro Saito, Rodney Van Meter, Hideyuki Kawashima	Hybrid Quantum Search Algorithm for Solving the Multi-Dimensional Knapsack
72	947	38	38-947	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	Patrick Hopf, Nils Quetschlich, Robert Wille, Laura Schulz	Towards a Machine Learning-Based Figure of Merit for Quantum Circuit
73	948	30	30-948	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	John Carlo Perion, Dylan Josh Lopez, Ariane Joyce Gara, Alfred Jerome	Performance Analysis of QUBO-translated Non-maximum Suppression for
74	949	20	20-949	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Jargalsaikhan Artag, Moe Shimada, Jun-Ichi Shirakashi	Multi-Task Quantum Annealing for Rapid Multi-Class Classification
75	951	34	34-951	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Yanbin Chen, Innocenzo Fulginiti, Christian Mendl	Probabilistic Circuit Model
76	952	18	18-952	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Ahmad Bennakhi, Gregory Byrd, Paul Franzon	Analyzing Quantum Circuit Depth Reduction with Ancilla Qubits in MCX Gates
77	953	25	25-953	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Chiara Leadbeater, Nathan Fitzpatrick, David Muñoz Ramo, Alex J. W. Thom	Non-unitary Trotter circuits for imaginary time evolution
78	955	16	16-955	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Pietro Torta, Luca Leone, Rebecca Casati, Enrico Prati	Neural Quantum Annealing for real-world Quadratic Unconstrained Binary
79	957	34	34-957	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Maria Violaris, Simone Rijavec, Charles Bédard	Quantum teleportation using a genuinely classical communication channel
80	958	35	35-958	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Xiaotian Xu, Kuan-Cheng Chen, Robert Wille	HamilToniQ: An Open-Source Benchmark Toolkit for Quantum Computers
81	959	12	12-959	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Annika Daspal, Artur F. Izmaylov	Minimizing Trotter Approximation Error in Quantum Phase Estimation Using
82	961	28	28-961	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Jan-Erik R. Wichmann, Kentaro Sano	Connecting Physical Qubits to Quantum Error Correction Backends using
83	963	27	27-963	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Yufeng Xin, Liang Zhang	A Quantum Data Center Network Architecture
84	965	45	45-965	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Daisuke Tsukayama, Jun-Ichi Shirakashi, Tetsuo Shibuya, Hiroshi Imai	Enhancing Convergence in Variational Quantum Eigensolver Using
85	966	16	16-966	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Nandhini Swaminathan, David Danks	Identification and Mitigating Bias in Quantum Machine Learning
86	967	16	16-967	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Suhui Jeong, Sanghyun Kim, Jiwon Seo	Quantum Support Vector Machine-Based Classification of GPS Signal
87	968	41	41-968	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Drew Rebar, Francisco Ponce, Mingzhao Liu, Tharanga Nanayakkara, Chenyu	Ta Based Damascene Resonators
88	970	18	18-970	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Mu-Te Lau, Chin-Yi Cheng, Cheng-Hua Lu, Chia-Hsu Chuang, Yi-Hsiang Kuo,	Qsyn: A Developer-Friendly Quantum Circuit Synthesis Framework for NISQ
89	972	12	12-972	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Yu-Ching Chen, Chih-Yu Chen, Tsung-Wei Huang, Chia-Ho Ou	Quantum Fourier Transform of Atrial Fibrillation
90	974	42	42-974	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Takashi Imagawa, Ryo Kishida, Yuki Koyama, Kazutoshi Kobayashi, Takefumi	A Power Reduction Scheme by Arithmetic Format Conversion for a DSP to
91	976	14	14-976	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Berend Klaver, Stefan Rombouts, Michael Fellner, Anette Messinger, Kilian	Parity codes in space and time
92	978	20	20-978	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Zeynab Kaseb, Matthias Moller, Markus Kirsch, Peter Palensky, Pedro P.	Adiabatic Computing for Power Flow Analysis
93	979	12	12-979	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Chia-Ho Ou, Jhih-Ying Chen, Wun-Ci Cao, Chih-Yu Chen, Yi-Lin Jiang, Krittin	Optimizing Human Resource Allocation in Long-Term Care Using Quantum



Poster Presentation Schedule

94	980	44	44-980	QALG-3	Mon 18:30	Wed 11:30	Thu 14:30	Yen Jui Chang, Hao-Yuan Chen, Ying Chang Lu, Lien-Po Yu, Chao-Ming Fu,	Quantum-Inspired Acceleration for Image Reconstruction on Ising Machines
95	983	42	42-983	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Xiaorang Guo, Jonas Winklmann, Dirk Stober, Shicong Cao, Martin Schulz	An FPGA-Accelerated Atom Sorting Unit for Neutral Atom Quantum Computers
96	984	26	26-984	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	Gayathree M. Vinod, Anil Shaji	Simulating Quantum Field Theories on Gate-Based Quantum Computers
97	986	20	20-986	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Yao-Hsin Chou, Jyun-Yi Shen, Yu-Chi Jiang, Shu-Yu Kuo, Cheng-Yen Hua	An Innovative Hunting-based Quantum-inspired Jaguar Algorithm for
98	987	40	40-987	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Michael Würth, Florian Bischeltsrieder, Julind Xhani, Wolfgang Utschick	Analyzing a Quantum Radar with Gaussian Boson Sampling
99	988	44	44-988	QALG-3	Mon 18:30	Wed 11:30	Thu 14:30	Yao-Hsin Chou, Yun-Ting Lai, Ming-Ho Chang, Yu-Chi Jiang, Shu-Yu Kuo	Qutrit-based Quantum-inspired Optimization Model on Real-world Portfolio
100	989	20	20-989	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Yao-Hsin Chou, Cheng-Yen Hua, Huan-Pu Chen, En-Tzu Hsu, Yu-Chi Jiang,	Adapting Developing Quantum Circuit Synthesis with a Multi-objective
101	994	26	26-994	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	David Muñoz Ramo, Maria Tudorovskaya	Quantum Computing Simulation of a Phase Change in a Cavity Quantum
102	995	30	30-995	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	Biswaraj Baral, Reek Majumder, Bhavika Bhalgamiya, Taposh Dutta Roy	Quantum-Powered Defenses Against Adversarial Onslaughts for
103	998	45	45-998	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Giuseppe Bisicchia, Giuseppe Clemente, Jose Garcia-Alonso, Juan Manuel	Distributing Quantum Computation Across Multiple NISQ Computers
104	1004	32	32-1004	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Benjamin Lanthier, Jeremy Côté, Stefanos Kourtis	Accelerating Counting Using Tensor Networks
105	1005	38	38-1005	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	Yannick Stade, Ludwig Schmid, Lukas Burgholzer, Robert Wille	Compiler Development for Neutral Atom Quantum Computers
106	1006	40	40-1006	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Robert Gartmann, Valentin Stümpert, Lukas Scheller, Richard Weller, Luis E.	Mixerless RFSoc Microwave Signal Generation for Superconducting Circuit
107	1007	44	44-1007	QALG-3	Mon 18:30	Wed 11:30	Thu 14:30	Robert Gartmann, Oliver Krömer, Richard Weller, Nick Karcher, Luis E. Ardila-	Super Heterodyne Mixer Front-End Module for Qubit Readout and
108	1009	27	27-1009	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Mostafa Youssef, Neelan Gounden, Pedro Ornelas, Isaac Nape, Andrew	Biphoton Quantum State Tomography and Spin-orbit Conversion in C+L
109	1010	45	45-1010	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Marko Brnović, Dmitri Iouchtchenko, Maciej Koch-Janusz	Efficient training of layerwise-commuting PQCs with parallel gradient
110	1011	35	35-1011	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Robert Wille, Ludwig Schmid, Yannick Stade, Jorge Echavarria, Martin Schulz,	QDMI – Quantum Device Management Interface: Hardware-Software Interface
111	1013	24	24-1013	QTEM-1	Mon 18:30	Wed 11:30	Thu 9:30	Taiqian Guo, Xiaorang Guo, Martin Schulz	An FPGA-based Quantum Control System with a Runtime Configurable Signal
112	1014	32	32-1014	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Amir Shehata, Thomas Naughton, In-Saeng Suh	Integrating Quantum Computing with High-Performance Computing: A
113	1016	34	34-1016	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Orsolya Kalman, Aurél Gábris, Igor Jex, Tamas Kiss	Universal, unambiguous preparation of Bell pairs
114	1021	26	26-1021	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	Yaknan John Gambo, Kevin Rasch, Helena Liebelt, Rui Li	Simulation of a One-Dimensional CFD Problem Using a Quantum Computing
115	1026	14	14-1026	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Liu Yang, Yue Wu, Lin Zhong	Parallel Minimum-Weight Parity Factor Decoding for Quantum Error
116	1027	36	36-1027	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Saasha Joshi, Daniel Justice, Ulrike Stege	piQture: A QML Library for Image Processing
117	1028	16	16-1028	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Mahzabeen Emu, Taufiq Rahman, Salimur Choudhury, Kai Salomaa	Next-Generation Vehicle Platooning: Leveraging Quantum Long Short-Term
118	1029	22	22-1029	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Naman Srivastava, Gaurang Belekar, Gautami Naik, Sunil Saumya, Aswath	Enabling Quantum Natural Language Processing for Hindi Language
119	1030	38	38-1030	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	Jonah Ezekiel, Derek Wang, Yunseong Nam	Approximate Compilation with Error Mitigation
120	1031	32	32-1031	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Ritu Thombre, Marcus Edwards, Joseph Salfi, Olivia Di Matteo	Towards Readout-Aware Layout Synthesis for Spin Qubit Systems with Double
121	1032	36	36-1032	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Nitin Jha, Abhishek Parakh, Mahadevan Subramanian	A ML Based Approach to Quantum Augmented HTTP Protocol
122	1033	26	26-1033	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	Sohrab Ganjian, Connor Paddock, Anne Broadbent	Demonstrating Quantum Homomorphic Encryption Through Simulation
123	1034	24	24-1034	QTEM-1	Mon 18:30	Wed 11:30	Thu 9:30	Jude Alnas, Aniket S. Dalvi, Kenneth R. Brown	System-agnostic quantum pulse experiments implemented with ARTIQ
124	1035	28	28-1035	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Farhad Rasekh, Diogo Alves Galico, Nasser Gohari Kamel, Arsalan	Towards Rare-Earth Molecular Crystals as a New Platform in Quantum
125	1037	40	40-1037	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Aashutosh Kumar, Maxime Colson, Richard Al Hadi, Bora Ung	Radio-Frequency Excitation for Quantum Sensing Based on Diamond NV
126	1038	34	34-1038	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Jaden Hawley, Chi-Ren Shyu	Analysis of A Malicious Deutsch-Jozsa Circuit
127	1040	42	42-1040	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Neha Chandran, Srimaye Peddinti	Linear Polarization-based Entanglement of a Single Photon, 2-Qubit Spatial
128	1043	36	36-1043	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Priya Mishra, Rodney Lessard, Indranil Roychoudhury	Procedures for Evaluating Classical, Quantum, and Hybrid Machine Learning
129	1044	42	42-1044	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Rui Xu, Eric Raguzin, Soumyajit Mandal, Grzegorz Deptuch, Peter Kinget	Cryogenic Characterization of a 5-6 GHz LC VCO for CMOS-Quantum Co-
130	1046	28	28-1046	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Benjamin Crockett, Nicola Montaut, James van Howe, Piotr Roztock, Yang Liu,	Denosing Wavelength-multiplexed Time-bin Correlated Photons for Quantum
131	1047	45	45-1047	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Gang Huang, Yilun Xu, Neelay Fruitwala, Abhi Rajagopala, Akel Hashim, Neel	Updated QubiC: Improved scalability, performance, and QPU support
132	1051	46	46-1051	QSYS-5	Mon 18:30	Wed 11:30	Tue 14:30	Braulio Caraveo, Liwen Shih, In-Saeng Suh, Travis Humble	Quantum/AI Topology-Aware Latency-Adaptive HPC Workflow Scheduling
133	1053	12	12-1053	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Alvin Gonzales, Rebekah Herrman, Colin Campbell, Igor Gaidai, Ji Liu, Teague	Arbitrary State Preparation via Quantum Walks
134	1055	40	40-1055	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Alejandro Azpeitia, Alberto Maldonado Romo, Daniel Sierra Sosa, Jesus Yalja	Geometric Analysis for QSVM Application using Kullback-Leibler Divergence
135	1058	18	18-1058	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Angadh Singh, Seyed Mohammadsajad Vaghoor Kashani, Ulrike Stege	Towards a Distributed Quantum Computing Platform for Algorithm
136	1059	46	46-1059	QSYS-5	Mon 18:30	Wed 11:30	Tue 14:30	Namitha Liyanage, Yue Wu, Emmet Houghton, Lin Zhong	Multi-FPGA system for quantum error correction with lattice surgery
137	1062	28	28-1062	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Amin Taherkhani, Kentaro Teramoto, Andrew Todd, Rodney Van Meter, Shota	A Scalable Framework for Automation of Quantum Network Experiments
138	1064	46	46-1064	QSYS-5	Mon 18:30	Wed 11:30	Tue 14:30	Junichiro Kadomoto, Takuya Kasamura, Hidetsugu Irie	Preliminary Design Space Exploration for ASIC Implementation of Control
139	1067	22	22-1067	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Eric Anschuetz, Mariesa Teo, Willers Yang, James Sud, Christopher Kang,	Quantifying the Limits of Classical Machine Learning Models Using Quantum
140	1068	22	22-1068	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Orson Ye, Sergii Strelchuk	Quantum Circuit Complexity of Genomic Data Encoding
141	1069	30	30-1069	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	Harshil Yerrabelli	Quantum Computing in Medical Diagnostics: A QSVM Approach to Alzheimer's

### QCE24 Poster Presentation Schedule sorted by Poster Board Number (PO-EC)

QCE24 Poster Presentation Schedule sorted by Poster Board Number (PO-EC)

The QCE24 Reception on Monday evening will kick off the QCE24 Exhibits, Posters, and Theatre presentations — Sep 16 @ 18:30-20:00.

The Exhibits, Posters, and Theatre area will be open Tuesday, Wednesday, and Thursday from 10:00 to 17:00.

Posters presentations are scheduled during the breaks at 10:00-10:30, 11:30-13:00, 14:30-15:00, and 16:30-17:00.

Each poster is allocated three time slots: Monday evening and two slots Tue-Thu as outlined in the schedule below.

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#	EC	PO	PO-EC	Q-Tag	Time 1	Time 2	Time 3	Poster Authors -- Rows sorted by EasyChair Number (EC)	Poster Title
1	753	11	11-753	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Nifeeya Singh, Abhishek, Pooja Siwach, P. Arumugam	Quantum Algorithm for Linear Response of Nuclei
2	834	11	11-834	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Yota Maeda, Ken Arai, Yu Tanaka, Yu Terada, Hiroshi Ueno, Hiroyuki Tezuka	Quantum PC algorithm: data-efficient and nonlinear causal discovery
3	849	11	11-849	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Kyoung Keun Park, Beomgeun Cho, Kwangyeul Choi, Taehyun Kim	Quantum Algorithm for Searching Resonant Frequency based on Frequency
4	946	11	11-946	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Gordon Cui, Rei Sato, Kazuhiro Saito, Rodney Van Meter, Hideyuki Kawashima	Hybrid Quantum Search Algorithm for Solving the Multi-Dimensional Knapsack
5	1053	12	12-1053	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Alvin Gonzales, Rebekah Herrman, Colin Campbell, Igor Gaidai, Ji Liu, Teague	Arbitrary State Preparation via Quantum Walks
6	959	12	12-959	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Annika Daspal, Artur F. Izmaylov	Minimizing Trotter Approximation Error in Quantum Phase Estimation Using
7	972	12	12-972	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Yu-Ching Chen, Chih-Yu Chen, Tsung-Wei Huang, Chia-Ho Ou	Quantum Fourier Transform of Atrial Fibrillation
8	979	12	12-979	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Chia-Ho Ou, Jih-Ying Chen, Wun-Ci Cao, Chih-Yu Chen, Yi-Lin Jiang, Krittin	Optimizing Human Resource Allocation in Long-Term Care Using Quantum
9	803	13	13-803	QECM	Mon 18:30	Tue 11:30	Wed 9:30	An Ning, Yu-Tsung Tai	Advanced Zero Noise Extrapolation for Quantum Error Mitigation
10	838	13	13-838	QECM	Mon 18:30	Tue 11:30	Wed 9:30	Stasiu Wolanski, Ben Barber	Introducing Ambiguity Clustering: an accurate and efficient decoder for qLDPC
11	843	13	13-843	QECM	Mon 18:30	Tue 11:30	Wed 9:30	Ming Wang, Frank Mueller	Rate Adjustable Bivariate Bicycle Codes for Quantum Error Correction
12	846	13	13-846	QECM	Mon 18:30	Tue 11:30	Wed 9:30	Quinn Langfitt, Ji Liu, Benchen Huang, Alvin Gonzales, Kaitlin Smith, Nikos	Pauli Check Extrapolation for Quantum Error Mitigation
13	1026	14	14-1026	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Liu Yang, Yue Wu, Lin Zhong	Parallel Minimum-Weight Parity Factor Decoding for Quantum Error
14	866	14	14-866	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Balint Pato, Qiang Miao, Kenneth Brown	Optimal decoding of 2D compass codes under coherent noise
15	927	14	14-927	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Joshua Gao, Ji Liu, Alvin Gonzales, Zain Saleem, Nikos Hardavellas, Kaitlin	Pauli Check Sandwiching for Quantum Characterization and Error Mitigation
16	976	14	14-976	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Berend Klaver, Stefan Rombouts, Michael Fellner, Anette Messinger, Kilian	Parity codes in space and time
17	865	15	15-865	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Anthony Kim	Hybrid Quantum-Classical Neural Network For Diagnosis of Autism Spectrum
18	915	15	15-915	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Paolo Zentilini, Sebastiano Corli, Enrico Prati	Emulation of QAOA via Graph Neural Networks
19	928	15	15-928	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Abhiram Nallamalli, Shantanu Misra, Gregory Quiroz	Learning Spatiotemporally Correlated Noise in Multi-Qubit Systems with
20	935	15	15-935	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Debanjan Konar, Ria Khatoniar, Vaneet Aggarwal	Quantum-enhanced Spiking Neural Networks
21	1028	16	16-1028	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Mahzabeen Emu, Taufiq Rahman, Salimur Choudhury, Kai Salomaa	Next-Generation Vehicle Platooning: Leveraging Quantum Long Short-Term
22	955	16	16-955	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Pietro Torta, Luca Leone, Rebecca Casati, Enrico Prati	Neural Quantum Annealing for real-world Quadratic Unconstrained Binary
23	966	16	16-966	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Nandhini Swaminathan, David Danks	Identification and Mitigating Bias in Quantum Machine Learning
24	967	16	16-967	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Suhui Jeong, Sanghyun Kim, Jiwon Seo	Quantum Support Vector Machine-Based Classification of GPS Signal
25	771	17	17-771	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Rei Sato, Kazuhiro Saito	Circuit Implementation of Discrete-Time Quantum Walks on Complex
26	820	17	17-820	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Rei Tokami, Yasunari Suzuki, Yuuki Tokunaga	Quantum Circuit Fragments: Efficient and verifiable format for quantum
27	840	17	17-840	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Ibrahim Shehzad, Edwin Pednault, James Garrison, Caleb Johnson, Bryce	Automated cut finding and circuit knitting on large quantum circuits
28	848	17	17-848	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Yutaro Akahoshi, Jun Fujisaki, Hirotaka Oshima, Shintaro Sato, Keisuke Fujii	General-purpose Quantum Circuit Generator for Partially Fault-Tolerant
29	1058	18	18-1058	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Angadh Singh, Seyed Mohammadsajad Vaghoor Kashani, Ulrike Stege	Towards a Distributed Quantum Computing Platform for Algorithm
30	933	18	18-933	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Waldemir Cambiucci, Regina Melo Silveira, Wilson Vicente Ruggiero	Hypergraphic partitioning for spatial and temporal quantum circuit cutting
31	952	18	18-952	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Ahmad Bennakhi, Gregory Byrd, Paul Franzon	Analyzing Quantum Circuit Depth Reduction with Ancilla Qubits in MCX Gates
32	970	18	18-970	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Mu-Te Lau, Chin-Yi Cheng, Cheng-Hua Lu, Chia-Hsu Chuang, Yi-Hsiang Kuo,	Qsyn: A Developer-Friendly Quantum Circuit Synthesis Framework for NISQ
33	659	19	19-659	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Akiyoshi Wakatani	Optimization of quantum annealing for the capacitated vehicle routing
34	817	19	19-817	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Yuta Yachi, Masashi Tawada, Nozomu Togawa	QUBO Coefficient Dynamic Ratio Shrinking Method for Quantum Annealers
35	841	19	19-841	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Chihiro Dogo, Kazuhiro Saito, Nozomu Togawa	Optimization of Base Station Power Supply Selection by Quantum Annealing
36	842	19	19-842	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Sean Borneman	Quantum Annealing for the Set Splitting Problem
37	949	20	20-949	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Jargalsaikhan Artag, Moe Shimada, Jun-Ichi Shirakashi	Multi-Task Quantum Annealing for Rapid Multi-Class Classification
38	978	20	20-978	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Zeynab Kaseb, Matthias Moller, Markus Kirsch, Peter Palensky, Pedro P.	Adiabatic Computing for Power Flow Analysis
39	986	20	20-986	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Yao-Hsin Chou, Jyun-Yi Shen, Yu-Chi Jiang, Shu-Yu Kuo, Cheng-Yen Hua	An Innovative Hunting-based Quantum-inspired Jaguar Algorithm for
40	989	20	20-989	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Yao-Hsin Chou, Cheng-Yen Hua, Huan-Pu Chen, En-Tzu Hsu, Yu-Chi Jiang,	Adapting Developing Quantum Circuit Synthesis with a Multi-objective
41	818	21	21-818	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Pulak Ranjan Giri, Mori Kurokawa, Kazuhiro Saito	Fast variational knowledge graph embedding



Poster Presentation Schedule

42	829	21	21-829	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Valter Uotila	Quantum Natural Language Processing Application for Estimating SQL Query
43	868	21	21-868	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Damir Cavar, Chi Zhang	Semantic Similarities using Classical Embeddings in Quantum NLP
44	895	21	21-895	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Chi Zhang, Akriti Kumari, Damir Cavar	Entangled Meanings: Classification and Ambiguity Resolution in Near-Term
45	1029	22	22-1029	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Naman Srivastava, Gaurang Belekar, Gautami Naik, Sunil Saumya, Aswath	Enabling Quantum Natural Language Processing for Hindi Language
46	1067	22	22-1067	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Eric Anschuetz, Mariesa Teo, Willers Yang, James Sud, Christopher Kang,	Quantifying the Limits of Classical Machine Learning Models Using Quantum
47	1068	22	22-1068	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Orson Ye, Sergii Strelchuk	Quantum Circuit Complexity of Genomic Data Encoding
48	918	22	22-918	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Lila Cadi Tazi, Ilyes Batatia, Alex J.W. Thom, Gábor Csányi	QUACE : symmetrized molecular descriptors on a quantum circuit
49	782	23	23-782	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Ryosuke Matsuo, Kazuhisa Ogawa, Hidehisa Shiomi, Makoto Negoro, Ryutaro	Square-wave defined pulse generator for high fidelity gate operation of
50	825	23	23-825	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Mario Schloesser, Luis Eduardo Ardila-Perez, Robert Gartmann, Lukas	Scalable Room Temperature Control Electronics for Advanced High-Fidelity
51	835	23	23-835	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Marco Riccardi, Roberto Menta, Francesco Cioni, Riccardo Aiudi, Marco Polini,	Global control in a superconducting quantum computer
52	906	23	23-906	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Luis Ardila-Perez, Marvin Fuchs, Robert Gartmann, Lukas Scheller, Mario	The Quantum Interface Controller: A Full-Stack, Modular, and Scalable
53	1013	24	24-1013	QTEM-1	Mon 18:30	Wed 11:30	Thu 9:30	Taiqian Guo, Xiaorang Guo, Martin Schulz	An FPGA-based Quantum Control System with a Runtime Configurable Signal
54	1034	24	24-1034	QTEM-1	Mon 18:30	Wed 11:30	Thu 9:30	Jude Alnas, Aniket S. Dalvi, Kenneth R. Brown	System-agnostic quantum pulse experiments implemented with ARTIQ
55	914	24	24-914	QTEM-1	Mon 18:30	Wed 11:30	Thu 9:30	Takefumi Miyoshi, Keisuke Koike, Shinichi Morisaka, Toshi Sumida, Makoto	A Microwave-based QCCD Trapped-Ion Quantum Computer with Scalable
56	854	25	25-854	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Keisuke Fukada, Tatsuhiko Shirai, Mikio Morita, Yoshinori Tomita, Koichi	Large-sized VQE Performance Profiling in Quantum Chemistry using a Multi-
57	857	25	25-857	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Daniel Talaván-Vega, Pablo Fernández-Alonso, Paloma Rodríguez-Oliver,	Performance Evaluation of the Intel Quantum Simulator on the Lusitania
58	898	25	25-898	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Seongmin Kim, In-Saeng Suh	Simulations of Quantum Approximate Optimization Algorithm on HPC-QC
59	953	25	25-953	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Chiara Leadbeater, Nathan Fitzpatrick, David Muñoz Ramo, Alex J. W. Thom	Non-unitary Trotter circuits for imaginary time evolution
60	1021	26	26-1021	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	Yaknan John Gambo, Kevin Rasch, Helena Liebelt, Rui Li	Simulation of a One-Dimensional CFD Problem Using a Quantum Computing
61	1033	26	26-1033	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	Sohrab Ganjian, Connor Paddock, Anne Broadbent	Demonstrating Quantum Homomorphic Encryption Through Simulation
62	984	26	26-984	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	Gayathree M. Vinod, Anil Shaji	Simulating Quantum Field Theories on Gate-Based Quantum Computers
63	994	26	26-994	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	David Muñoz Ramo, Maria Tudorovskaya	Quantum Computing Simulation of a Phase Change in a Cavity Quantum
64	759	27	27-759	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Athira Kalavampara Raghunadhan, Matheus Guedes De Andrade, Don	Optimal Monitor Placement in Quantum Network Tomography
65	767	27	27-767	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Shu-Yu Kuo, Chia-Lin Liu, Yu-Chi Jiang, Yao-Hsin Chou, Sy-Yen Kuo	Enhanced Quantum Secret Sharing with Reduced Resource Consumption
66	963	27	27-963	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Yufeng Xin, Liang Zhang	A Quantum Data Center Network Architecture
67	1009	27	27-1009	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Mostafa Youssef, Neelan Gounden, Pedro Ornelas, Isaac Nape, Andrew	Biphoton Quantum State Tomography and Spin-orbit Conversion in C+L
68	1035	28	28-1035	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Farhad Rasekh, Diogo Alves Galico, Nasser Gohari Kamel, Arsalan	Towards Rare-Earth Molecular Crystals as a New Platform in Quantum
69	1046	28	28-1046	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Benjamin Crockett, Nicola Montaut, James van Howe, Piotr Roztock, Yang Liu,	Denosing Wavelength-multiplexed Time-bin Correlated Photons for Quantum
70	1062	28	Thu 9:30	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Amin Taherkhani, Kentaro Teramoto, Andrew Todd, Rodney Van Meter, Shota	A Scalable Framework for Automation of Quantum Network Experiments
71	961	28	28-961	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Jan-Erik R. Wichmann, Kentaro Sano	Connecting Physical Qubits to Quantum Error Correction Backends using
72	786	29	29-786	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	Tatsuya Noguchi, Keisuke Fukada, Siya Bao, Nozomu Togawa	Multi-day Intermodal Trip Planning Using subQUBO Annealing with Correction
73	853	29	29-853	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	Takeru Ota, Keisuke Fukada, Nozomu Togawa	Personalized Course Selection Optimization Using an Ising Machine
74	897	29	29-897	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	René Zander, Raphael Seidel, Matteo Inajetovic, Niklas Steinmann, Matic	Solving the Product Breakdown Structure Problem with constrained QAOA
75	913	29	29-913	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	Eneko Osaba, Esther Villar-Rodriguez, Antón Asla	Exploring Utility in a Real-World Warehouse Optimization Problem:
76	1069	30	30-1069	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	Harshil Yerrabelli	Quantum Computing in Medical Diagnostics: A QSVM Approach to Alzheimer's
77	934	30	30-934	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	Wei-Hao Huang, Hiromichi Matsuyama, Yu Yamashiro	Hybrid Quantum-Classical Algorithm for Solving Capacitated Vehicle Routing
78	948	30	30-948	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	John Carlo Perion, Dylan Josh Lopez, Ariane Joyce Gara, Alfred Jerome	Performance Analysis of QUBO-translated Non-maximum Suppression for
79	995	30	30-995	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	Biswaraj Baral, Reek Majumder, Bhavika Bhargamiya, Taposh Dutta Roy	Quantum-Powered Defenses Against Adversarial Onslaughts for
80	756	31	31-756	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Muhammad Asad Ullah, Ahsan Javed Awan, Elias Svensson	Towards Compute Capacity Maximization in Constrained Interconnect Multi-
81	836	31	31-836	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Junyong Lee, Jeihee Cho, Daniel Justice, Shiho Kim	Towards Explainability of Classical Neural Network via Quantum Computing
82	860	31	31-860	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Giuseppe Bisicchia, Giuseppe Clemente, Jose Garcia-Alonso, Juan Manuel	Distributing Quantum Computation Across Multiple NISQ Computers
83	862	31	31-862	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Tariq Almuqbil, Muhamad Felemban	Discovery of Quantum Algorithms Using Genetic Algorithms: Exponential
84	1004	32	32-1004	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Benjamin Lanthier, Jeremy Côté, Stefanos Kourtis	Accelerating Counting Using Tensor Networks
85	1014	32	32-1014	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Amir Shehata, Thomas Naughton, In-Saeng Suh	Integrating Quantum Computing with High-Performance Computing: A
86	1031	32	32-1031	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Ritu Thombre, Marcus Edwards, Joseph Salfi, Olivia Di Matteo	Towards Readout-Aware Layout Synthesis for Spin Qubit Systems with Double
87	938	32	32-938	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Philipp Moser, Alexander Maletzky, Michael Giretzlehner	HN-PQE: Hardware-Native Parameterized Quantum Embedding for Noise-
88	768	33	33-768	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Hiroshi Kanai, Shu Tanaka	Static and Dynamic Analysis of Energy Landscape Transformation of the Ising
89	845	33	33-845	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Yujin Kang, Youshin Chung, Huidan Zheng, Sungyeon Kook, Jun Heo	Magic State Distillation with Reduced Time Cost
90	859	33	33-859	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Christophe Goeller, Anette Messinger, Michael Fellner, Berend Klaver, Valentin	Fault-tolerant quantum computing with the parity code: discrete and bosonic
91	926	33	33-926	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Francesco Monzani, Emanuele Ricci, Luca Nigro, Enrico Prati	Enforcing fading memory of noisy quantum echo state networks
92	1016	34	34-1016	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Orsolya Kalman, Aurél Gábris, Igor Jex, Tamas Kiss	Universal, unambiguous preparation of Bell pairs

Poster Presentation Schedule

93	1038	34	34-1038	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Jaden Hawley, Chi-Ren Shyu	Analysis of A Malicious Deutsch-Jozsa Circuit
94	951	34	34-951	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Yanbin Chen, Innocenzo Fulginiti, Christian Mendl	Probabilistic Circuit Model
95	957	34	34-957	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Maria Violaris, Simone Rijavec, Charles Bédard	Quantum teleportation using a genuinely classical communication channel
96	1011	35	35-1011	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Robert Wille, Ludwig Schmid, Yannick Stade, Jorge Echavarría, Martin Schulz,	QDMI – Quantum Device Management Interface: Hardware-Software Interface
97	888	35	35-888	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Chen-Yu Liu, Chu-Hsuan Abraham Lin, Wei-Jia Huang, Min-Hsiu Hsieh	Introduction to Quantum-Train Toolkit
98	930	35	35-930	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Hyeok Kim, Kaitlin Smith	Interaction Techniques for User-friendly Interfaces for Gate-based Quantum
99	958	35	35-958	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Xiaotian Xu, Kuan-Cheng Chen, Robert Wille	HamilToniQ: An Open-Source Benchmark Toolkit for Quantum Computers
100	1027	36	36-1027	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Saasha Joshi, Daniel Justice, Ulrike Stege	piQture: A QML Library for Image Processing
101	1032	36	36-1032	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Nitin Jha, Abhishek Parakh, Mahadevan Subramanian	A ML Based Approach to Quantum Augmented HTTP Protocol
102	1043	36	36-1043	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Priya Mishra, Rodney Lessard, Indranil Roychoudhury	Procedures for Evaluating Classical, Quantum, and Hybrid Machine Learning
103	931	36	36-931	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Anika Zaman, Hiu Yung Wong	A Heuristic Error Analysis Framework for Error Bottleneck Identification in Gate-
104	837	37	37-837	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Handy Kurniawan, Valentin Savin, Carmen G. Almudever, Francisco Garcia-	Noise-Aware Compilation Techniques for Enhanced Fault-Tolerant Preparation
105	839	37	37-839	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Sora Tomita, Tatsuhiko Shirai, Nozomu Togawa	Variable reduction method for quadratic three-dimensional assignment
106	872	37	37-872	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Tyler LeBlond, Ryan Bennink	Advanced Resource Estimation through Lattice Surgery Compilation and
107	882	37	37-882	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Ellie Vogel, Chuck Garcia, Wei Tang, Margaret Martonosi	Accelerating Quantum Subcircuit Reconstruction Utilizing Multi-Node
108	1005	38	38-1005	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	Yannick Stade, Ludwig Schmid, Lukas Burgholzer, Robert Wille	Compiler Development for Neutral Atom Quantum Computers
109	1030	38	38-1030	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	Jonah Ezekiel, Derek Wang, Yunseong Nam	Approximate Compilation with Error Mitigation
110	943	38	38-943	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	David Lawrence Bantug Clarino, Kyouhei Seino, Atsushi Matsuo, Shigeru	Utilizing Don't-Cares to Minimize CNOTs in Synthesizing NNA Compliant
111	947	38	38-947	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	Patrick Hopf, Nils Quetschlich, Robert Wille, Laura Schulz	Towards a Machine Learning-Based Figure of Merit for Quantum Circuit
112	850	39	39-850	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Kwangyeul Choi, Kyoung Keun Park, Taehyun Kim	Reducing Quantum Measurement Repetitions in Image Classification through
113	851	39	39-851	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Marco Venere, Adriano Lusso, Victor Onofre, Alberto Maldonado-Romo, Marco	Characterizing the Effects of Zero-Noise Extrapolation on a QAOA Workflow
114	890	39	39-890	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Joshua Cudby, Sergii Strelchuk	Quantum Algorithms for Genome Sequencing and Analysis
115	937	39	39-937	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Jeihee Cho, Junyong Lee, Shiho Kim	Understanding of the Diffusion Noise in Quantum Latent Diffusion Model
116	1006	40	40-1006	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Robert Gartmann, Valentin Stümpert, Lukas Scheller, Richard Weller, Luis E.	Mixerless RFSoc Microwave Signal Generation for Superconducting Circuit
117	1037	40	40-1037	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Aashutosh Kumar, Maxime Colson, Richard Al Hadi, Bora Ung	Radio-Frequency Excitation for Quantum Sensing Based on Diamond NV
118	1055	40	40-1055	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Alejandro Azpeitia, Alberto Maldonado Romo, Daniel Sierra Sosa, Jesus Yalja	Geometric Analysis for QSVM Application using Kullback-Leibler Divergence
119	987	40	40-987	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Michael Würth, Florian Bischeltsrieder, Julind Xhani, Wolfgang Utschick	Analyzing a Quantum Radar with Gaussian Boson Sampling
120	799	41	41-799	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Hany Ali, Jorge Marques, Ophelia Crawford, Joonas Majaniemi, Marc Serra-	Reducing the error rate of a superconducting logical qubit using analog
121	844	41	41-844	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Neel Vora, Yilun Xu, Akel Hashim, Neelay Fruitwala, Nam Nguyen, Horan Liao,	QubiCML: ML-Powered Real-Time Quantum State Discrimination Enabling Mid-
122	858	41	41-858	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Ruotai Wang, Takashi Sato, Hiromitsu Awano	Exploring Surface Code Decoding via Cryo-CMOS for Fault-Tolerant Quantum
123	968	41	41-968	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Drew Rebar, Francisco Ponce, Mingzhao Liu, Tharanga Nanayakkara, Chenyu	Ta Based Damascene Resonators
124	1040	42	42-1040	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Neha Chandran, Srimaye Peddinti	Linear Polarization-based Entanglement of a Single Photon, 2-Qubit Spatial
125	1044	42	42-1044	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Rui Xu, Eric Raguzin, Soumyajit Mandal, Grzegorz Deptuch, Peter Kinget	Cryogenic Characterization of a 5-6 GHz LC VCO for CMOS-Quantum Co-
126	974	42	42-974	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Takashi Imagawa, Ryo Kishida, Yuki Koyama, Kazutoshi Kobayashi, Takefumi	A Power Reduction Scheme by Arithmetic Format Conversion for a DSP to
127	983	42	42-983	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Xiaorang Guo, Jonas Winklmann, Dirk Stober, Shicong Cao, Martin Schulz	An FPGA-Accelerated Atom Sorting Unit for Neutral Atom Quantum Computers
128	852	43	43-852	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Kinya Iwata, Masashi Tawada, Nozomu Togawa	Non-zero Coefficients Removing Method to Improve the Ising Machine Solving
129	856	43	43-856	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Kanta Hino, Shu Tanaka	Physical Properties of Error Reduction Algorithms for Ising Machines
130	939	43	43-939	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Fabrizio Orlando, Deborah Volpe, Giacomo Orlandi, Fabrizio Riente, Marco	Engineering Discrete Simulated Bifurcation for an FPGA Digital Ising Machine
131	940	43	43-940	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Christian Conti, Deborah Volpe, Giovanni Amedeo Cirillo, Mariagrazia	Towards Quantum Circuit Emulation on Low-Tier FPGAs
132	1007	44	44-1007	QALG-3	Mon 18:30	Wed 11:30	Thu 14:30	Robert Gartmann, Oliver Krömer, Richard Weller, Nick Karcher, Luis E. Ardila-	Super Heterodyne Mixer Front-End Module for Qubit Readout and
133	980	44	44-980	QALG-3	Mon 18:30	Wed 11:30	Thu 14:30	Yen Jui Chang, Hao-Yuan Chen, Ying Chang Lu, Lien-Po Yu, Chao-Ming Fu,	Quantum-Inspired Acceleration for Image Reconstruction on Ising Machines
134	988	44	44-988	QALG-3	Mon 18:30	Wed 11:30	Thu 14:30	Yao-Hsin Chou, Yun-Ting Lai, Ming-Ho Chang, Yu-Chi Jiang, Shu-Yu Kuo	Qutrit-based Quantum-inspired Optimization Model on Real-world Portfolio
135	1010	45	45-1010	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Marko Brnović, Dmitri Iouchtchenko, Maciej Koch-Janusz	Efficient training of layerwise-commuting PQC with parallel gradient
136	1047	45	45-1047	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Gang Huang, Yilun Xu, Neelay Fruitwala, Abhi Rajagopala, Akel Hashim, Neel	Updated QubiC: Improved scalability, performance, and QPU support
137	965	45	45-965	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Daisuke Tsukayama, Jun-Ichi Shirakashi, Tetsuo Shibuya, Hiroshi Imai	Enhancing Convergence in Variational Quantum Eigensolver Using
138	998	45	45-998	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Giuseppe Bisicchia, Giuseppe Clemente, Jose Garcia-Alonso, Juan Manuel	Distributing Quantum Computation Across Multiple NISQ Computers
139	1051	46	46-1051	QSYS-5	Mon 18:30	Wed 11:30	Tue 14:30	Braulio Caraveo, Liwen Shih, In-Saeng Suh, Travis Humble	Quantum/AI Topology-Aware Latency-Adaptive HPC Workflow Scheduling
140	1059	46	46-1059	QSYS-5	Mon 18:30	Wed 11:30	Tue 14:30	Namitha Liyanage, Yue Wu, Emmet Houghton, Lin Zhong	Multi-FPGA system for quantum error correction with lattice surgery
141	1064	46	46-1064	QSYS-5	Mon 18:30	Wed 11:30	Tue 14:30	Junichiro Kadomoto, Takuya Kasamura, Hidetsugu Irie	Preliminary Design Space Exploration for ASIC Implementation of Control



### QCE24 Poster Presentation Schedule sorted by Poster Quantum TAG (Q-TAG)

QCE24 Poster Presentation Schedule sorted by Poster Board Number (PO-EC)

The QCE24 Reception on Monday evening will kick off the QCE24 Exhibits, Posters, and Theatre presentations — Sep 16 @ 18:30-20:00.

The Exhibits, Posters, and Theatre area will be open Tuesday, Wednesday, and Thursday from 10:00 to 17:00.

Posters presentations are scheduled during the breaks at 10:00-10:30, 11:30-13:00, 14:30-15:00, and 16:30-17:00.

Each poster is allocated three time slots: Monday evening and two slots Tue-Thu as outlined in the schedule below.

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#	EC	PO	PO-EC	Q-Tag	Time 1	Time 2	Time 3	Poster Authors -- Rows sorted by EasyChair Number (EC)	Poster Title
1	753	11	11-753	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Nifeeya Singh, Abhishek, Pooja Siwach, P. Arumugam	Quantum Algorithm for Linear Response of Nuclei
2	834	11	11-834	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Yota Maeda, Ken Arai, Yu Tanaka, Yu Terada, Hiroshi Ueno, Hiroyuki Tezuka	Quantum PC algorithm: data-efficient and nonlinear causal discovery
3	849	11	11-849	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Kyoung Keun Park, Beomgeun Cho, Kwangyeul Choi, Taehyun Kim	Quantum Algorithm for Searching Resonant Frequency based on Frequency
4	946	11	11-946	QALG-1	Mon 18:30	Tue 11:30	Thu 9:30	Gordon Cui, Rei Sato, Kazuhiro Saito, Rodney Van Meter, Hideyuki Kawashima	Hybrid Quantum Search Algorithm for Solving the Multi-Dimensional Knapsack
5	1053	12	12-1053	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Alvin Gonzales, Rebekah Herrman, Colin Campbell, Igor Gaidai, Ji Liu, Teague	Arbitrary State Preparation via Quantum Walks
6	959	12	12-959	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Annika Daspal, Artur F. Izmaylov	Minimizing Trotter Approximation Error in Quantum Phase Estimation Using
7	972	12	12-972	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Yu-Ching Chen, Chih-Yu Chen, Tsung-Wei Huang, Chia-Ho Ou	Quantum Fourier Transform of Atrial Fibrillation
8	979	12	12-979	QALG-1	Mon 18:30	Wed 11:30	Tue 9:30	Chia-Ho Ou, Jih-Ying Chen, Wun-Ci Cao, Chih-Yu Chen, Yi-Lin Jiang, Krittin	Optimizing Human Resource Allocation in Long-Term Care Using Quantum
9	659	19	19-659	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Akiyoshi Wakatani	Optimization of quantum annealing for the capacitated vehicle routing
10	817	19	19-817	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Yuta Yachi, Masashi Tawada, Nozomu Togawa	QUBO Coefficient Dynamic Ratio Shrinking Method for Quantum Annealers
11	841	19	19-841	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Chihiro Dogo, Kazuhiro Saito, Nozomu Togawa	Optimization of Base Station Power Supply Selection by Quantum Annealing
12	842	19	19-842	QALG-2	Mon 18:30	Tue 11:30	Wed 16:30	Sean Borneman	Quantum Annealing for the Set Splitting Problem
13	949	20	20-949	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Jargalsaikhan Artag, Moe Shimada, Jun-Ichi Shirakashi	Multi-Task Quantum Annealing for Rapid Multi-Class Classification
14	978	20	20-978	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Zeynab Kaseb, Matthias Moller, Markus Kirsch, Peter Palensky, Pedro P.	Adiabatic Computing for Power Flow Analysis
15	986	20	20-986	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Yao-Hsin Chou, Jyun-Yi Shen, Yu-Chi Jiang, Shu-Yu Kuo, Cheng-Yen Hua	An Innovative Hunting-based Quantum-inspired Jaguar Algorithm for
16	989	20	20-989	QALG-2	Mon 18:30	Wed 11:30	Mon 9:30	Yao-Hsin Chou, Cheng-Yen Hua, Huan-Pu Chen, En-Tzu Hsu, Yu-Chi Jiang,	Adapting Developing Quantum Circuit Synthesis with a Multi-objective
17	852	43	43-852	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Kinya Iwata, Masashi Tawada, Nozomu Togawa	Non-zero Coefficients Removing Method to Improve the Ising Machine Solving
18	856	43	43-856	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Kanta Hino, Shu Tanaka	Physical Properties of Error Reduction Algorithms for Ising Machines
19	939	43	43-939	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Fabrizio Orlando, Deborah Volpe, Giacomo Orlandi, Fabrizio Riente, Marco	Engineering Discrete Simulated Bifurcation for an FPGA Digital Ising Machine
20	940	43	43-940	QALG-3	Mon 18:30	Thu 11:30	Wed 14:30	Christian Conti, Deborah Volpe, Giovanni Amedeo Cirillo, Mariagrazia	Towards Quantum Circuit Emulation on Low-Tier FPGAs
21	1007	44	44-1007	QALG-3	Mon 18:30	Wed 11:30	Thu 14:30	Robert Gartmann, Oliver Krömer, Richard Weller, Nick Karcher, Luis E. Ardila-	Super Heterodyne Mixer Front-End Module for Qubit Readout and
22	980	44	44-980	QALG-3	Mon 18:30	Wed 11:30	Thu 14:30	Yen Jui Chang, Hao-Yuan Chen, Ying Chang Lu, Lien-Po Yu, Chao-Ming Fu,	Quantum-Inspired Acceleration for Image Reconstruction on Ising Machines
23	988	44	44-988	QALG-3	Mon 18:30	Wed 11:30	Thu 14:30	Yao-Hsin Chou, Yun-Ting Lai, Ming-Ho Chang, Yu-Chi Jiang, Shu-Yu Kuo	Qutrit-based Quantum-inspired Optimization Model on Real-world Portfolio
24	786	29	29-786	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	Tatsuya Noguchi, Keisuke Fukada, Siya Bao, Nozomu Togawa	Multi-day Intermodal Trip Planning Using subQUBO Annealing with Correction
25	853	29	29-853	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	Takeru Ota, Keisuke Fukada, Nozomu Togawa	Personalized Course Selection Optimization Using an Ising Machine
26	897	29	29-897	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	René Zander, Raphael Seidel, Matteo Inajetovic, Niklas Steinmann, Matic	Solving the Product Breakdown Structure Problem with constrained QAOA
27	913	29	29-913	QAPP-1	Mon 18:30	Tue 11:30	Thu 9:30	Eneko Osaba, Esther Villar-Rodriguez, Antón Asla	Exploring Utility in a Real-World Warehouse Optimization Problem:
28	1069	30	30-1069	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	Harshil Yerrabelli	Quantum Computing in Medical Diagnostics: A QSVM Approach to Alzheimer's
29	934	30	30-934	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	Wei-Hao Huang, Hiromichi Matsuyama, Yu Yamashiro	Hybrid Quantum-Classical Algorithm for Solving Capacitated Vehicle Routing
30	948	30	30-948	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	John Carlo Perion, Dylan Josh Lopez, Ariane Joyce Gara, Alfred Jerome	Performance Analysis of QUBO-translated Non-maximum Suppression for
31	995	30	30-995	QAPP-1	Mon 18:30	Thu 11:30	Tue 16:30	Biswaraj Baral, Reek Majumder, Bhavika Bhalgamiya, Taposh Dutta Roy	Quantum-Powered Defenses Against Adversarial Onslaughts for
32	850	39	39-850	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Kwangyeul Choi, Kyoung Keun Park, Taehyun Kim	Reducing Quantum Measurement Repetitions in Image Classification through
33	851	39	39-851	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Marco Venere, Adriano Lusso, Victor Onofre, Alberto Maldonado-Romo, Marco	Characterizing the Effects of Zero-Noise Extrapolation on a QAOA Workflow
34	890	39	39-890	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Joshua Cudby, Sergii Strelchuk	Quantum Algorithms for Genome Sequencing and Analysis
35	937	39	39-937	QAPP-2	Mon 18:30	Thu 11:30	Tue 9:30	Jeihee Cho, Junyong Lee, Shiho Kim	Understanding of the Diffusion Noise in Quantum Latent Diffusion Model
36	1006	40	40-1006	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Robert Gartmann, Valentin Stümpert, Lukas Scheller, Richard Weller, Luis E.	Mixerless RFSoc Microwave Signal Generation for Superconducting Circuit
37	1037	40	40-1037	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Aashutosh Kumar, Maxime Colson, Richard Al Hadi, Bora Ung	Radio-Frequency Excitation for Quantum Sensing Based on Diamond NV
38	1055	40	40-1055	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Alejandro Azpeitia, Alberto Maldonado Romo, Daniel Sierra Sosa, Jesus Yalja	Geometric Analysis for QSVM Application using Kullback-Leibler Divergence
39	987	40	40-987	QAPP-2	Mon 18:30	Tue 11:30	Thu 14:30	Michael Würth, Florian Bischeltsrieder, Julind Xhani, Wolfgang Utschick	Analyzing a Quantum Radar with Gaussian Boson Sampling
40	803	13	13-803	QECM	Mon 18:30	Tue 11:30	Wed 9:30	An Ning, Yu-Tsung Tai	Advanced Zero Noise Extrapolation for Quantum Error Mitigation
41	838	13	13-838	QECM	Mon 18:30	Tue 11:30	Wed 9:30	Stasiu Wolanski, Ben Barber	Introducing Ambiguity Clustering: an accurate and efficient decoder for qLDPC

Poster Presentation Schedule

42	843	13	13-843	QECM	Mon 18:30	Tue 11:30	Wed 9:30	Ming Wang, Frank Mueller	Rate Adjustable Bivariate Bicycle Codes for Quantum Error Correction
43	846	13	13-846	QECM	Mon 18:30	Tue 11:30	Wed 9:30	Quinn Langfitt, Ji Liu, Benchen Huang, Alvin Gonzales, Kaitlin Smith, Nikos	Pauli Check Extrapolation for Quantum Error Mitigation
44	1026	14	14-1026	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Liu Yang, Yue Wu, Lin Zhong	Parallel Minimum-Weight Parity Factor Decoding for Quantum Error
45	866	14	14-866	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Balint Pato, Qiang Miao, Kenneth Brown	Optimal decoding of 2D compass codes under coherent noise
46	927	14	14-927	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Joshua Gao, Ji Liu, Alvin Gonzales, Zain Saleem, Nikos Hardavellas, Kaitlin	Pauli Check Sandwiching for Quantum Characterization and Error Mitigation
47	976	14	14-976	QECM	Mon 18:30	Wed 11:30	Tue 14:30	Berend Klaver, Stefan Rombouts, Michael Fellner, Anette Messinger, Kilian	Parity codes in space and time
48	768	33	33-768	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Hiroshi Kanai, Shu Tanaka	Static and Dynamic Analysis of Energy Landscape Transformation of the Ising
49	845	33	33-845	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Yujin Kang, Youshin Chung, Huidan Zheng, Sungyeon Kook, Jun Heo	Magic State Distillation with Reduced Time Cost
50	859	33	33-859	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Christophe Goeller, Anette Messinger, Michael Fellner, Berend Klaver, Valentin	Fault-tolerant quantum computing with the parity code: discrete and bosonic
51	926	33	33-926	QINF	Mon 18:30	Thu 11:30	Wed 14:30	Francesco Monzani, Emanuele Ricci, Luca Nigro, Enrico Prati	Enforcing fading memory of noisy quantum echo state networks
52	1016	34	34-1016	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Orsolya Kalman, Aurél Gábris, Igor Jex, Tamas Kiss	Universal, unambiguous preparation of Bell pairs
53	1038	34	34-1038	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Jaden Hawley, Chi-Ren Shyu	Analysis of A Malicious Deutsch-Jozsa Circuit
54	951	34	34-951	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Yanbin Chen, Innocenzo Fulginiti, Christian Mendl	Probabilistic Circuit Model
55	957	34	34-957	QINF	Mon 18:30	Wed 11:30	Tue 16:30	Maria Violaris, Simone Rijavec, Charles Bédard	Quantum teleportation using a genuinely classical communication channel
56	865	15	15-865	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Anthony Kim	Hybrid Quantum-Classical Neural Network For Diagnosis of Autism Spectrum
57	915	15	15-915	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Paolo Zentilini, Sebastiano Corti, Enrico Prati	Emulation of QAOA via Graph Neural Networks
58	928	15	15-928	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Abhiram Nallamalli, Shantanu Misra, Gregory Quiroz	Learning Spatiotemporally Correlated Noise in Multi-Qubit Systems with
59	935	15	15-935	QML-1	Mon 18:30	Tue 11:30	Wed 14:30	Debanjan Konar, Ria Khatoniar, Vaneet Aggarwal	Quantum-enhanced Spiking Neural Networks
60	1028	16	16-1028	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Mahzabeen Emu, Taufiq Rahman, Salimur Choudhury, Kai Salomaa	Next-Generation Vehicle Platooning: Leveraging Quantum Long Short-Term
61	955	16	16-955	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Pietro Torta, Luca Leone, Rebecca Casati, Enrico Prati	Neural Quantum Annealing for real-world Quadratic Unconstrained Binary
62	966	16	16-966	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Nandhini Swaminathan, David Danks	Identification and Mitigating Bias in Quantum Machine Learning
63	967	16	16-967	QML-1	Mon 18:30	Wed 11:30	Tue 14:30	Suhui Jeong, Sanghyun Kim, Jiwon Seo	Quantum Support Vector Machine-Based Classification of GPS Signal
64	818	21	21-818	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Pulak Ranjan Giri, Mori Kurokawa, Kazuhiro Saito	Fast variational knowledge graph embedding
65	829	21	21-829	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Valter Uotila	Quantum Natural Language Processing Application for Estimating SQL Query
66	868	21	21-868	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Damir Cavar, Chi Zhang	Semantic Similarities using Classical Embeddings in Quantum NLP
67	895	21	21-895	QML-2	Mon 18:30	Tue 11:30	Wed 9:30	Chi Zhang, Akriti Kumari, Damir Cavar	Entangled Meanings: Classification and Ambiguity Resolution in Near-Term
68	1029	22	22-1029	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Naman Srivastava, Gaurang Belekar, Gautami Naik, Sunil Saumya, Aswath	Enabling Quantum Natural Language Processing for Hindi Language
69	1067	22	22-1067	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Eric Anschuetz, Mariesa Teo, Willers Yang, James Sud, Christopher Kang,	Quantifying the Limits of Classical Machine Learning Models Using Quantum
70	1068	22	22-1068	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Orson Ye, Sergii Strelchuk	Quantum Circuit Complexity of Genomic Data Encoding
71	918	22	22-918	QML-2	Mon 18:30	Wed 11:30	Tue 9:30	Lila Cadi Tazi, Ilyes Batatia, Alex J.W. Thom, Gábor Csányi	QUACE : symmetrized molecular descriptors on a quantum circuit
72	759	27	27-759	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Athira Kalavampara Raghunadhan, Matheus Guedes De Andrade, Don	Optimal Monitor Placement in Quantum Network Tomography
73	767	27	27-767	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Shu-Yu Kuo, Chia-Lin Liu, Yu-Chi Jiang, Yao-Hsin Chou, Sy-Yen Kuo	Enhanced Quantum Secret Sharing with Reduced Resource Consumption
74	963	27	27-963	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Yufeng Xin, Liang Zhang	A Quantum Data Center Network Architecture
75	1009	27	27-1009	QNET	Mon 18:30	Tue 11:30	Thu 9:30	Mostafa Youssef, Neelan Gounden, Pedro Ornelas, Isaac Nape, Andrew	Biphoton Quantum State Tomography and Spin-orbit Conversion in C+L
76	1035	28	28-1035	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Farhad Rasekh, Diogo Alves Galico, Nasser Gohari Kamel, Arsalan	Towards Rare-Earth Molecular Crystals as a New Platform in Quantum
77	1046	28	28-1046	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Benjamin Crockett, Nicola Montaut, James van Howe, Piotr Roztock, Yang Liu,	Denoising Wavelength-multiplexed Time-bin Correlated Photons for Quantum
78	1062	28	28-1062	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Amin Taherkhani, Kentaro Teramoto, Andrew Todd, Rodney Van Meter, Shota	A Scalable Framework for Automation of Quantum Network Experiments
79	961	28	28-961	QNET	Mon 18:30	Thu 11:30	Wed 14:30	Jan-Erik R. Wichmann, Kentaro Sano	Connecting Physical Qubits to Quantum Error Correction Backends using
80	854	25	25-854	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Keisuke Fukada, Tatsuhiko Shirai, Mikio Morita, Yoshinori Tomita, Koichi	Large-sized VQE Performance Profiling in Quantum Chemistry using a Multi-
81	857	25	25-857	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Daniel Talaván-Vega, Pablo Fernández-Alonso, Paloma Rodríguez-Oliver,	Performance Evaluation of the Intel Quantum Simulator on the Lusitania
82	898	25	25-898	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Seongmin Kim, In-Saeng Suh	Simulations of Quantum Approximate Optimization Algorithm on HPC-QC
83	953	25	25-953	QSIM	Mon 18:30	Tue 11:30	Thu 14:30	Chiara Leadbeater, Nathan Fitzpatrick, David Muñoz Ramo, Alex J. W. Thom	Non-unitary Trotter circuits for imaginary time evolution
84	1021	26	26-1021	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	Yaknan John Gambo, Kevin Rasch, Helena Liebelt, Rui Li	Simulation of a One-Dimensional CFD Problem Using a Quantum Computing
85	1033	26	26-1033	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	Sohrab Ganjian, Connor Paddock, Anne Broadbent	Demonstrating Quantum Homomorphic Encryption Through Simulation
86	984	26	26-984	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	Gayathree M. Vinod, Anil Shaji	Simulating Quantum Field Theories on Gate-Based Quantum Computers
87	994	26	26-994	QSIM	Mon 18:30	Thu 11:30	Wed 9:30	David Muñoz Ramo, Maria Tudorovskaya	Quantum Computing Simulation of a Phase Change in a Cavity Quantum
88	771	17	17-771	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Rei Sato, Kazuhiro Saito	Circuit Implementation of Discrete-Time Quantum Walks on Complex
89	820	17	17-820	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Rei Tokami, Yasunari Suzuki, Yuuki Tokunaga	Quantum Circuit Fragments: Efficient and verifiable format for quantum
90	840	17	17-840	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Ibrahim Shehzad, Edwin Pednault, James Garrison, Caleb Johnson, Bryce	Automated cut finding and circuit knitting on large quantum circuits
91	848	17	17-848	QSYS-1	Mon 18:30	Tue 11:30	Wed 16:30	Yutaro Akahoshi, Jun Fujisaki, Hirotaka Oshima, Shintaro Sato, Keisuke Fujii	General-purpose Quantum Circuit Generator for Partially Fault-Tolerant
92	1058	18	18-1058	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Angadh Singh, Seyed Mohammadsajad Vaghoor Kashani, Ulrike Stege	Towards a Distributed Quantum Computing Platform for Algorithm



Poster Presentation Schedule

93	933	18	18-933	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Waldemir Cambiucci, Regina Melo Silveira, Wilson Vicente Ruggiero	Hypergraphic partitioning for spatial and temporal quantum circuit cutting
94	952	18	18-952	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Ahmad Bennakhi, Gregory Byrd, Paul Franzon	Analyzing Quantum Circuit Depth Reduction with Ancilla Qubits in MCX Gates
95	970	18	18-970	QSYS-1	Mon 18:30	Wed 11:30	Tue 16:30	Mu-Te Lau, Chin-Yi Cheng, Cheng-Hua Lu, Chia-Hsu Chuang, Yi-Hsiang Kuo,	Qsyn: A Developer-Friendly Quantum Circuit Synthesis Framework for NISQ
96	756	31	31-756	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Muhammad Asad Ullah, Ahsan Javed Awan, Elias Svensson	Towards Compute Capacity Maximization in Constrained Interconnect Multi-
97	836	31	31-836	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Junyong Lee, Jeihee Cho, Daniel Justice, Shiho Kim	Towards Explainability of Classical Neural Network via Quantum Computing
98	860	31	31-860	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Giuseppe Bisicchia, Giuseppe Clemente, Jose Garcia-Alonso, Juan Manuel	Distributing Quantum Computation Across Multiple NISQ Computers
99	862	31	31-862	QSYS-2	Mon 18:30	Thu 11:30	Wed 16:30	Tariq Almuqbil, Muhamad Felemban	Discovery of Quantum Algorithms Using Genetic Algorithms: Exponential
100	1004	32	32-1004	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Benjamin Lanthier, Jeremy Côté, Stefanos Kourtis	Accelerating Counting Using Tensor Networks
101	1014	32	32-1014	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Amir Shehata, Thomas Naughton, In-Saeng Suh	Integrating Quantum Computing with High-Performance Computing: A
102	1031	32	32-1031	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Ritu Thombre, Marcus Edwards, Joseph Salfi, Olivia Di Matteo	Towards Readout-Aware Layout Synthesis for Spin Qubit Systems with Double
103	938	32	32-938	QSYS-2	Mon 18:30	Thu 11:30	Wed 9:30	Philipp Moser, Alexander Maletzky, Michael Giretzlehner	HN-PQE: Hardware-Native Parameterized Quantum Embedding for Noise-
104	1011	35	35-1011	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Robert Wille, Ludwig Schmid, Yannick Stade, Jorge Echavarria, Martin Schulz,	QDMI – Quantum Device Management Interface: Hardware-Software Interface
105	888	35	35-888	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Chen-Yu Liu, Chu-Hsuan Abraham Lin, Wei-Jia Huang, Min-Hsiu Hsieh	Introduction to Quantum-Train Toolkit
106	930	35	35-930	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Hyeok Kim, Kaitlin Smith	Interaction Techniques for User-friendly Interfaces for Gate-based Quantum
107	958	35	35-958	QSYS-3	Mon 18:30	Thu 11:30	Wed 16:30	Xiaotian Xu, Kuan-Cheng Chen, Robert Wille	HamilToniQ: An Open-Source Benchmark Toolkit for Quantum Computers
108	1027	36	36-1027	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Saasha Joshi, Daniel Justice, Ulrike Stege	piQture: A QML Library for Image Processing
109	1032	36	36-1032	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Nitin Jha, Abhishek Parakh, Mahadevan Subramanian	A ML Based Approach to Quantum Augmented HTTP Protocol
110	1043	36	36-1043	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Priya Mishra, Rodney Lessard, Indranil Roychoudhury	Procedures for Evaluating Classical, Quantum, and Hybrid Machine Learning
111	931	36	36-931	QSYS-3	Mon 18:30	Wed 11:30	Thu 9:30	Anika Zaman, Hiu Yung Wong	A Heuristic Error Analysis Framework for Error Bottleneck Identification in Gate-
112	837	37	37-837	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Handy Kurniawan, Valentin Savin, Carmen G. Almudever, Francisco Garcia-	Noise-Aware Compilation Techniques for Enhanced Fault-Tolerant Preparation
113	839	37	37-839	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Sora Tomita, Tatsuhiko Shirai, Nozomu Togawa	Variable reduction method for quadratic three-dimensional assignment
114	872	37	37-872	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Tyler LeBlond, Ryan Bennink	Advanced Resource Estimation through Lattice Surgery Compilation and
115	882	37	37-882	QSYS-4	Mon 18:30	Thu 11:30	Wed 9:30	Ellie Vogel, Chuck Garcia, Wei Tang, Margaret Martonosi	Accelerating Quantum Subcircuit Reconstruction Utilizing Multi-Node
116	1005	38	38-1005	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	Yannick Stade, Ludwig Schmid, Lukas Burgholzer, Robert Wille	Compiler Development for Neutral Atom Quantum Computers
117	1030	38	38-1030	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	Jonah Ezekiel, Derek Wang, Yunseong Nam	Approximate Compilation with Error Mitigation
118	943	38	38-943	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	David Lawrence Bantug Clarino, Kyouhei Seino, Atsushi Matsuo, Shigeru	Utilizing Don't-Cares to Minimize CNOTs in Synthesizing NNA Compliant
119	947	38	38-947	QSYS-4	Mon 18:30	Tue 11:30	Wed 14:30	Patrick Hopf, Nils Quetschlich, Robert Wille, Laura Schulz	Towards a Machine Learning-Based Figure of Merit for Quantum Circuit
120	1010	45	45-1010	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Marko Brnović, Dmitri Iouchtchenko, Maciej Koch-Janusz	Efficient training of layerwise-commuting PQCs with parallel gradient
121	1047	45	45-1047	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Gang Huang, Yilun Xu, Neelay Fruitwala, Abhi Rajagopala, Akel Hashim, Neel	Updated QubiC: Improved scalability, performance, and QPU support
122	965	45	45-965	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Daisuke Tsukayama, Jun-Ichi Shirakashi, Tetsuo Shibuya, Hiroshi Imai	Enhancing Convergence in Variational Quantum Eigensolver Using
123	998	45	45-998	QSYS-5	Mon 18:30	Thu 11:30	Tue 9:30	Giuseppe Bisicchia, Giuseppe Clemente, Jose Garcia-Alonso, Juan Manuel	Distributing Quantum Computation Across Multiple NISQ Computers
124	1051	46	46-1051	QSYS-5	Mon 18:30	Wed 11:30	Tue 14:30	Braulio Caraveo, Liwen Shih, In-Saeng Suh, Travis Humble	Quantum/AI Topology-Aware Latency-Adaptive HPC Workflow Scheduling
125	1059	46	46-1059	QSYS-5	Mon 18:30	Wed 11:30	Tue 14:30	Namitha Liyanage, Yue Wu, Emmet Houghton, Lin Zhong	Multi-FPGA system for quantum error correction with lattice surgery
126	1064	46	46-1064	QSYS-5	Mon 18:30	Wed 11:30	Tue 14:30	Junichiro Kadomoto, Takuya Kasamura, Hidetsugu Irie	Preliminary Design Space Exploration for ASIC Implementation of Control
127	782	23	23-782	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Ryosuke Matsuo, Kazuhisa Ogawa, Hidehisa Shiomi, Makoto Negoro, Ryutaro	Square-wave defined pulse generator for high fidelity gate operation of
128	825	23	23-825	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Mario Schloesser, Luis Eduardo Ardila-Perez, Robert Gartmann, Lukas	Scalable Room Temperature Control Electronics for Advanced High-Fidelity
129	835	23	23-835	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Marco Riccardi, Roberto Menta, Francesco Cioni, Riccardo Aiudi, Marco Polini,	Global control in a superconducting quantum computer
130	906	23	23-906	QTEM-1	Mon 18:30	Tue 11:30	Thu 14:30	Luis Ardila-Perez, Marvin Fuchs, Robert Gartmann, Lukas Scheller, Mario	The Quantum Interface Controller: A Full-Stack, Modular, and Scalable
131	1013	24	24-1013	QTEM-1	Mon 18:30	Wed 11:30	Thu 9:30	Taiqian Guo, Xiaorang Guo, Martin Schulz	An FPGA-based Quantum Control System with a Runtime Configurable Signal
132	1034	24	24-1034	QTEM-1	Mon 18:30	Wed 11:30	Thu 9:30	Jude Alnas, Aniket S. Dalvi, Kenneth R. Brown	System-agnostic quantum pulse experiments implemented with ARTIQ
133	914	24	24-914	QTEM-1	Mon 18:30	Wed 11:30	Thu 9:30	Takefumi Miyoshi, Keisuke Koike, Shinichi Morisaka, Toshi Sumida, Makoto	A Microwave-based QCCD Trapped-Ion Quantum Computer with Scalable
134	799	41	41-799	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Hany Ali, Jorge Marques, Ophelia Crawford, Joonas Majaniemi, Marc Serra-	Reducing the error rate of a superconducting logical qubit using analog
135	844	41	41-844	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Neel Vora, Yilun Xu, Akel Hashim, Neelay Fruitwala, Nam Nguyen, Horan Liao,	QubiCML: ML-Powered Real-Time Quantum State Discrimination Enabling Mid-
136	858	41	41-858	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Ruotai Wang, Takashi Sato, Hiromitsu Awano	Exploring Surface Code Decoding via Cryo-CMOS for Fault-Tolerant Quantum
137	968	41	41-968	QTEM-2	Mon 18:30	Thu 11:30	Wed 16:30	Drew Rebar, Francisco Ponce, Mingzhao Liu, Tharanga Nanayakkara, Chenyu	Ta Based Damascene Resonators
138	1040	42	42-1040	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Neha Chandran, Srimaye Peddinti	Linear Polarization-based Entanglement of a Single Photon, 2-Qubit Spatial
139	1044	42	42-1044	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Rui Xu, Eric Raguzin, Soumyajit Mandal, Grzegorz Deptuch, Peter Kinget	Cryogenic Characterization of a 5-6 GHz LC VCO for CMOS-Quantum Co-
140	974	42	42-974	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Takashi Imagawa, Ryo Kishida, Yuki Koyama, Kazutoshi Kobayashi, Takefumi	A Power Reduction Scheme by Arithmetic Format Conversion for a DSP to
141	983	42	42-983	QTEM-2	Mon 18:30	Wed 11:30	Tue 16:30	Xiaorang Guo, Jonas Winklmann, Dirk Stober, Shicong Cao, Martin Schulz	An FPGA-Accelerated Atom Sorting Unit for Neutral Atom Quantum Computers