TUE	QCE24 Advance Program-at-a-Glance					IEEE Quantum Week 2024 featuring 450+ Hours of Exceptional Programming			
Room	220C	517B	517A	517D	521AB	522AB	518ABC	519AB	520A
Style Capacity	Theater, Booths, Posters	Banquet 1200	Theater/Panel 1200	Theater/Panel 300	Theater/Panel 100	Theater/Panel 100	Class 120	Class 90	Class 57
8:00-9:30			KEY03 — Matthias Troyer, Microsoft						
9:30-10:00	Exhibits & Break								
10:00-11:30	BOF02 — QC IP Landscape: Huestis, Akhiezer: Foley Hoag		WKS18 — Apps Explored on H-Series Quantum HW	PAN04 — Microsoft & Quantinuum Built Most Reliable Logical Qubits	TUT09 — QubiC: OS Mid-Circ Measure & FeedFW Q Control	QML-GMOD: Quantum Generative Models	QML-GMOD: Quantum Generative Models	WKS16 — Integrated Optics for QC & Emerging Apps	WKS15 — Industrial & Academic Engineering Challenges for Q
11:30-13:00	Posters & Break	Lunch							
13:00-14:30	Exhibit Theatre		WKS18 — Apps Explored on H-Series Quantum HW	PAN05 — Shaping Q Future: Canada's National Q Strategy	TUT09 — QubiC: OS Mid-Circ Measure & FeedFW Q Control	TUT15 — Quantum Internet: Wiring the Weirdness	TUT13 — Integrating GPUs & QPUs for QEC & Optimal Control	WKS16 — Integrated Optics for QC & Emerging Apps	WKS15 — Industrial & Academic Engineering Challenges for Q
14:30-15:00	Exhibits & Break								
15:00-16:30	Exhibit Theatre		WKS18 — Apps Explored on H-Series Quantum HW	PAN06 — ErrSupp, Mitigation & Correction to Algo Q Advantages	BOF03 — Q Networks: Protocols' Perspective: Nagayama, Van Meter	TUT15 — Quantum Internet: Wiring the Weirdness	TUT13 — Integrating GPUs & QPUs for QEC & Optimal Control	WKS16 — Integrated Optics for QC & Emerging Apps	WKS15 — Industrial & Academic Engineering Challenges for Q
16:30-17:00	Posters & Break								
17:00-18:30			KEY04 — Sergio Boxio, Google Quantum AI						
18:30-19:30				IEEE Societies Townhall					
TUE	FINANCIAL CO-SPONSORS / TECHNICAL CO-SPONSORS					Engage in QCE24 Networking Sessions Catalysts for Quantum Innovation & Collaboration			

TUE	QCE24 Advance Program-at-a-Glance					IEEE Quantum Week 2024 featuring 450+ Hours of Exceptional Programming			
Room	520B	520C	520D	520E	520F	523AB	524A	524B	524C
Style Capacity	Class 57	Class 57	Class 57	Class 57	Class 57	Theater 100	Theater 100	Theater 100	Theater 100
8:00-9:30	Keynote in 571A								
9:30-10:00	Break in 220C								
10:00-11:30	WKS17 — Quantum Algorithm Grand Challenge 2024	SYS-SIMU: Simulation	NET-SEC1: Quantum Secure Networks I	SYS-COFT: Fault-tolerant Compilation	ALG-EDMC: Quantum Error Detection, Mitigation, and Correction	WKS14 — QC for Natural Sciences: Technology & Applications	NET-PFA1: Performance Analysis I	ALG-LALG: Quantum Linear Algebra	APP-PALG: Practical Quantum Algorithms
11:30-13:00	Lunch in 220C								
13:00-14:30	WKS17 — Quantum Algorithm Grand Challenge 2024	TUT14 — Q Annealing: Emerging Exploration for DB Opt	TUT16 — Compiling Resource-Effic Prog with BQSKit	TUT17 — HW Design of Algo and EC Codes with Neutral Atoms	TUT18 — Parity Encoding as a Circuit Transpilation Tool	WKS14 — QC for Natural Sciences: Technology & Applications	NET-PFA2: Performance Analysis II	QML-KMOD: Quantum Kernel Models	APP-DANA: Application for Data Analysis
14:30-15:00	Break in 220C								
15:00-16:30	WKS17 — Quantum Algorithm Grand Challenge 2024	TUT14 — Q Annealing: Emerging Exploration for DB Opt	TUT16 — Compiling Resource-Effic Prog with BQSKit	TUT17 — HW Design of Algo and EC Codes with Neutral Atoms	TUT18 — Parity Encoding as a Circuit Transpilation Tool	WKS14 — QC for Natural Sciences: Technology & Applications	NET-SEC2: Quantum Secure Networks II	QML-LMOD: Quantum Machine Learning Models	APP-QEDC: Quantum Error Detection and Correction
16:30-17:00	Break in 220C								
17:00-18:30	Keynote in 571A								
TUE	FINANCIAL CO-SPONSORS / TECHNICAL CO-SPONSORS					Engage in QCE24 Networking Sessions Catalysts for Quantum Innovation & Collaboration			

WED	QCE24 Advance Program-at-a-Glance					IEEE Quantum Week 2024 featuring 450+ Hours of Exceptional Programming			
Room	220C	517B	517A	517D	521AB	522AB	518ABC	519AB	520A
Style Capacity	Theater, Booths, Posters	Banquet 1200	Theater/Panel 1200	Theater/Panel 300	Theater/Panel 100	Theater/Panel 100	Class 120	Class 90	Class 57
8:00-9:30			Keynote in 571A						
9:30-10:00	Posters & Break								
10:00-11:30	Mentorship		WKS20 — Quantum Software Engineering and Technology	PAN07 —Powering Tomorrow: Q Apps for Energy Industry	WKS24 — Integrating HPC with Q Computing (WIHPQC 2024)	WKS22 — Quantum Photonics: From Optical Table to Chip	WKS19 — Distributed Quantum Computing	WKS23 — Quantum Algorithms for Bio and Life Sciences	WKS21 — QC Opport in Renewable Energy & Climate Change
11:30-13:00	Exhibits & Break	Lunch							
13:00-14:30	Career Fair		WKS20 — Quantum Software Engineering and Technology	PAN08 — Open Stack: Under the Hood of QC	WKS24 — Integrating HPC with Q Computing (WIHPQC 2024)	WKS22 — Quantum Photonics: From Optical Table to Chip	WKS19 — Distributed Quantum Computing	WKS23 — Quantum Algorithms for Bio and Life Sciences	WKS21 — QC Opport in Renewable Energy & Climate Change
14:30-15:00	Posters & Break								
15:00-16:30	Career Fair		WKS20 — Quantum Software Engineering and Technology	PAN09 — Challenges Towards Fault-Tolerant Quantum Computing	WKS24 — Integrating HPC with Q Computing (WIHPQC 2024)	WKS22 — Quantum Photonics: From Optical Table to Chip	WKS19 — Distributed Quantum Computing	WKS23 — Quantum Algorithms for Bio and Life Sciences	WKS21 — QC Opport in Renewable Energy & Climate Change
16:30-17:00	Exhibits & Break								
17:00-18:30			Keynote in 571A						
WED	FINANCIAL CO-SPONSORS / TECHNICAL CO-SPONSORS					Engage in QCE24 Networking Sessions Catalysts for Quantum Innovation & Collaboration			

WED	QCE24 Advance Program-at-a-Glance					IEEE Quantum Week 2024 featuring 450+ Hours of Exceptional Programming			
Room	520B	520C	520D	520E	520F	523AB	524A	524B	524C
Style Capacity	Class 57	Class 57	Class 57	Class 57	Class 57	Theater 100	Theater 100	Theater 100	Theater 100
8:00-9:30	Keynote in 571A								
9:30-10:00	Break in 220C								
10:00-11:30	BOF04 — Q Quest: Q Gov Through a Card Game: Morishita, Nagato	NET-PFA3: Performance Analysis III	QML-ARCS: Quantum Architecture Search	SYS-PABS: Program Abstraction and Analysis	NET-TSTB: Hardware and Testbed	ALG-HSEC: Hamiltonian Simulation and Error Mitigation	TEM-BNCH: Benchmarking	SYS-QMAR: Qubit Mapping and Routing	TEM-MLN1: Quantum Machine Learning and Neural Network Architectures - I
11:30-13:00	Lunch in 220C								
13:00-14:30	TUT20 — Algorithms for Quantum Boltzmann Methods	TUT21 — The QICK: Q Instrumentation Control Kit	TUT23 — ErrSupp: Unlock the Potential of Your Quantum App	TUT24 — Intro & App Quantum Simulation-Based Opt	APP-OPT1: Quantum Optimization I	TUT19 — Using Azure QDK for Q Algo Dev & Resource Est	QML-RLG1: Quantum Reinforcement Learning I	SYS-BNCH: Benchmarking	TEM-MLN2: Quantum Machine Learning and Neural Network Architectures - II
14:30-15:00	Break in 220C								
15:00-16:30	TUT20 — Algorithms for Quantum Boltzmann Methods	TUT21 — The QICK: Q Instrumentation Control Kit	TUT23 — ErrSupp: Unlock the Potential of Your Quantum App	TUT24 — Intro & App Quantum Simulation-Based Opt	APP-OPT2: Quantum Optimization II	TUT19 — Using Azure QDK for Q Algo Dev & Resource Est	QML-RLG2: Quantum Reinforcement Learning II	APP-BNCH: Benchmarking and Assessment	TEM-TOMO: Gates and Tomography
16:30-17:00	Break in 220C								
17:00-18:30	Keynote in 571A								
WED	FINANCIAL CO-SPONSORS / TECHNICAL CO-SPONSORS					Engage in QCE24 Networking Sessions Catalysts for Quantum Innovation & Collaboration			

THU	QCE24 Advance Program-at-a-Glance					IEEE Quantum Week 2024 featuring 450+ Hours of Exceptional Programming			
Room	220C	517B	517A	517D	521AB	522AB	518ABC	519AB	520A
Style Capacity	Theater, Booths, Posters	Banquet 1200	Theater/Panel 1200	Theater/Panel 300	Theater/Panel 100	Theater/Panel 100	Class 120	Class 90	Class 57
8:00-9:30			KEY07 — Rajeeb Hazra, Quantinuum						
9:30-10:00	Exhibits & Break								
10:00-11:30	BOF05 — Navigating the QC Journey: Student to Prof		TUT27 — Intro to CUDA-Q and DQC — Part 1	PAN10 — Effective DEIA Requires Accountability	PAN13 — Testbeds: Practical Deployment of Q Networks	WKS25 — Quantum Resource Estimation	WKS27 — QC & Reinforcement Learning (QCRL-2024)	WKS26 — Quantum Algorithms for Comb Optimization	WKS29 — Current Progress & Challenges in Scaling Trapped-ion
11:30-13:00	Posters & Break	Lunch							
13:00-14:30	Exhibit Theatre		TUT27 — Intro to CUDA-Q and DQC — Part 1	PAN11 — Entrepreneur & Intrapreneurship for Q Tech Dev	PAN12 — Q Software Stack: Technological Maturity Quest	WKS25 — Quantum Resource Estimation	WKS27 — QC & Reinforcement Learning (QCRL-2024)	WKS26 — Quantum Algorithms for Comb Optimization	WKS29 — Current Progress & Challenges in Scaling Trapped-ion
14:30-15:00	Exhibits & Break								
15:00-16:30	Exhibit Theatre			BOF06 — IEEE Q-HPC WG: Hybrid Use Cases: Mete, Schulz, Pakin	SYS-ERRC: Error Correction	WKS25 — Quantum Resource Estimation	WKS27 — QC & Reinforcement Learning (QCRL-2024)	WKS26 — Quantum Algorithms for Comb Optimization	WKS29 — Current Progress & Challenges in Scaling Trapped-ion
16:30-17:00	Exhibits & Posters Tear Down								
17:00-18:30			KEY08 — Kenneth Brown, Duke University						
18:30-20:30		QCE24 Banquet							
THU	FINANCIAL CO-SPONSORS / TECHNICAL CO-SPONSORS					Engage in QCE24 Networking Sessions Catalysts for Quantum Innovation & Collaboration			

THU	QCE24 Advance Program-at-a-Glance					IEEE Quantum Week 2024 featuring 450+ Hours of Exceptional Programming			
Room	520B	520C	520D	520E	520F	523AB	524A	524B	524C
Style Capacity	Class 57	Class 57	Class 57	Class 57	Class 57	Theater 100	Theater 100	Theater 100	Theater 100
8:00-9:30	Keynote in 571A								
9:30-10:00	Break in 220C								
10:00-11:30	WKS30 — Quantum in Consumer Technology	APP-CHEM: Applications for Chemistry	QML-OPT1: Quantum Optimization I	APP-LERN: Quantum Computing and Learning	SYS-SECU: Security	WKS28 — Quantum Software 2.0: Enabling LC & Performant QC	APP-FINA: Applications for Finance	QML-QNN1: Quantum Neural Networks I	SYS-DQC: Distributed Computing
11:30-13:00	Lunch in 220C								
13:00-14:30	WKS30 — Quantum in Consumer Technology	TUT28 — Transpilation of Utility-Scale Q Circuits	TUT29 — Can Cat Qubits Serve as Basis for FT QC?	SYS-ANEL: Annealing	SYS-CITD: Hardware-Aware Compilation (Ion-Trap)	WKS28 — Quantum Software 2.0: Enabling LC & Performant QC	TUT25 — From Q in Pictures to Interpretable QNLP	TUT26 — Qiskit Machine Learning for Practical Apps	NET-DQC: Distributed Quantum Computing
14:30-15:00	Break in 220C								
15:00-16:30	WKS30 — Quantum in Consumer Technology	TUT28 — Transpilation of Utility-Scale Q Circuits	TUT29 — Can Cat Qubits Serve as Basis for FT QC?	APP-ANEL: Quantum Annealing	QML-QNN2: Quantum Neural Networks II	WKS28 — Quantum Software 2.0: Enabling LC & Performant QC	TUT25 — From Q in Pictures to Interpretable QNLP	TUT26 — Qiskit Machine Learning for Practical Apps	PHO-IOPT: Integrated Quantum Optics
16:30-17:00									
17:00-18:30	Keynote in 571A								
18:30-20:30		Banquet in 517B							
THU	FINANCIAL CO-SPONSORS / TECHNICAL CO-SPONSORS					Engage in QCE24 Networking Sessions Catalysts for Quantum Innovation & Collaboration			

FRI	QCE24 Advance Program-at-a-Glance					IEEE Quantum Week 2024 featuring 450+ Hours of Exceptional Programming			
Room	220C	517B	517A	517D	521AB	522AB	518ABC	519AB	520A
Style Capacity	Theater, Booths, Posters	Banquet 1200	Theater/Panel 1200	Theater/Panel 300	Theater/Panel 100	Theater/Panel 100	Class 120	Class 90	Class 57
8:00-9:30			KEY09 — Eleanor Rieffel, NASA Ames						
9:30-10:00		Break							
10:00-11:30			TUT34 — Intro to CUDA-Q and DQC — Part 2	PAN16 — What are Q Gaps? The Q Industry Perspective	BOF07 — Emerging Q Cent in HPC Env: Klymko, Camps,	WKS31 — Quantum Algorithms for Financial Applications	WKS34 — Chemical Applications of Quantum Computing	WKS36 — Real-time Decoding & Control of Fault-Tolerant Systems	WKS32 — Dependability Challenges in Hybrid C-
11:30-13:00		Break							
13:00-14:30			TUT34 — Intro to CUDA-Q and DQC — Part 2	PAN15 — What does 'Break-Even' Mean?	TUT31 — Qubits, Qudits & Beyond: Expl Multi-D QC	WKS31 — Quantum Algorithms for Financial Applications	WKS34 — Chemical Applications of Quantum Computing	WKS36 — Real-time Decoding & Control of Fault-Tolerant Systems	WKS32 — Dependability Challenges in Hybrid C-
14:30-15:00		Break							
15:00-16:30			SYS-AOPT: Application Optimization		TUT31 — Qubits, Qudits & Beyond: Expl Multi-D QC	WKS31 — Quantum Algorithms for Financial Applications	WKS34 — Chemical Applications of Quantum Computing	WKS36 — Real-time Decoding & Control of Fault-Tolerant Systems	WKS32 — Dependability Challenges in Hybrid C-
16:30-17:00									
FRI	FINANCIAL CO-SPONSORS / TECHNICAL CO-SPONSORS					Engage in QCE24 Networking Sessions Catalysts for Quantum Innovation & Collaboration			

FRI	QCE24 Advance Program-at-a-Glance					IEEE Quantum Week 2024 featuring 450+ Hours of Exceptional Programming			
Room	520B	520C	520D	520E	520F	523AB	524A	524B	524C
Style Capacity	Class 57	Class 57	Class 57	Class 57	Class 57	Theater 100	Theater 100	Theater 100	Theater 100
8:00-9:30	Keynote in 571A								
9:30-10:00	Break in 517B								
10:00-11:30	WKS33 — Apps of Optimal Control and Calibration for Q Tech	WKS35 — Academic & Professional Training in QC: Open-source	QML-OPT2: Quantum Optimization II	APP-PSCI: Applications for Physical Sciences	APP-QAOA: Application of QAOA	APP-APPS: Quantum Applications	TUT35 — Exper Ctrl with ARTIQ/ DAX Ecosystem	TEM-CTRL: Quantum Controls	PHO-QSAS: Photonic Quantum Sources and Sensing
11:30-13:00	Lunch in 517B								
13:00-14:30	WKS33 — Apps of Optimal Control and Calibration for Q Tech	WKS35 — Academic & Professional Training in QC: Open-source	TUT30 — Q Err Mitigation for Tomorrow's QC Stack	TUT32 — Q Tensor Networks in ML & AI	TUT33 — Q Error Mitigation at Utility Scales	ALG-OCI1: Optimization of quantum circuits - I	TUT35 — Exper Ctrl with ARTIQ/ DAX Ecosystem	TEM-HW1: Quantum Hardware - I	PHO-PCOM: Photonic Quantum Processing and Communication
14:30-15:00	Break in 517B								
15:00-16:30	WKS33 — Apps of Optimal Control and Calibration for Q Tech	WKS35 — Academic & Professional Training in QC: Open-source	TUT30 — Q Err Mitigation for Tomorrow's QC Stack	TUT32 — Q Tensor Networks in ML & AI	TUT33 — Q Error Mitigation at Utility Scales	ALG-OCI2: Optimization of quantum circuits - II	ALG-COPT: Quantum Combinatorial Optimization	TEM-HW2: Quantum Hardware - II	PHO-APPS: Quantum Photonics and Applications
16:30-17:00									
FRI	FINANCIAL CO-SPONSORS / TECHNICAL CO-SPONSORS					Engage in QCE24 Networking Sessions Catalysts for Quantum Innovation & Collaboration			