

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	Theater/Panel 100	Class 120	Class 90	Class 57
8:00-9:30			V — mn M nbk							
9:30-10:00	Exhibits & Break									
10:00-11:30	A3 6 xdb 5n umn 3 5l		TL d x 5Ln xw 5T	.nbk xnxb n Kna lnb an	MNM an AL ndnb 3d3T x	MMLM 5dè xd Mad	45L 5wnxnx Lnwnx xd nnlnx	TL @ld Anb k wlnxl	TL @dn bdwnb xlnxnl mxl k	
11:30-13:00	Posters & Break	Lunch								
13:00-14:30	mnan Mff		T vf x 5fnf xw 5T	H mnxl 3f x nxv fl	MIVan nbn ff 3ff3T xv	MIMkw 6xfxf Tnnxl mf Tfnxf	MIV6xfinxl 4HN HN k nvw xv	T 6xfff nb k wfinxl	TL @dn bdwnb xlnxnl mxl k	
14:30-15:00	Exhibits & Break									
15:00-16:30	mnan Mff		T vf x 5fnf xw 5T	H nnlnx fbnx vl xlf	3 fu Hbv Hffbnf lw Sx ff	MIMkw 6xfxf Tnnxl mf Tfnxf	MIV6xfinxl 4HN HN k nvw xv	T 6xfff nb k wfinxl	TL @dn bdwnb xlnxnl mxl k	
16:30-17:00	Posters & Break									
17:00-18:30			V — Lln n' 4l xw 6							
18:30-19:30				IEEE Societies Townhall						
TUE						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	T xw vlnmw 4x mvvfxlf	6N nrvnx	Mw fbf fu 6	3Mv vfx wvnx	4, xw _bnx' nnlnx' xd	TL k Lbnxb Mbmxl	M3 kwxn xn 6	44 xw nx la	4 bnb xw lnmw	
11:30-13:00	Lunch in 220C									
13:00-14:30	T xw vlnmw 4x mvvfxlf	MIMxxfvnxl wfinxl vnx k	MIMwvnxl fbfkknb HI nm n	MIV6T fnlx k vl x f nm fv w	MIVHn xbnxl nbn Mhvx M	TL k Lbnxb Mbmxl	M3 kwxn xn 6	A, xw x d	.nbx k, xn	
14:30-15:00	Break in 220C									
15:00-16:30	T xw vlnmw 4x mvvfxlf	MIMxxfvnxl wfinxl vnx k	MIMwvnxl fbfkknb HI nm n	MIV6T fnlx k vl x f nm fv w	MIVHn xbnxl nbn Mhvx M	TL k Lbnxb Mbmxl	ML xw Lb èu 6	A, xw bmnx xnl d	.xw _bnx xd bnx	
16:30-17:00	Break in 220C									
17:00-18:30	Keynote in 571A									
TUE						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			KEY05 — Margaret Martonosi, Princeton U							
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)	TEM-BNCH: Benchmarking	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			KEY06 — Josh Izaac, Xanadu							
WED										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, III	NET-PFA3: Performance Analysis III	QML-ARCS: Quantum Architecture Search	SYS-PABS: Program Abstraction and Analysis	TEM-TOMO: Gates and Tomography	SYS-BNCH: Benchmarking	SYS-QMAR: Qubit Mapping and Routing	WKS08 — Responsible Quantum Readiness	TEM-MLN1: Quantum Machine Learning and Neural Network	
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	WKS08 — Responsible Quantum Readiness	TEM-MLN2: Quantum Machine Learning and Neural Network	
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	WKS08 — Responsible Quantum Readiness	APP-BNCH: Benchmarking and Assessment	
16:30-17:00	Break in 220C									
17:00-18:30	Keynote in 571A									
WED										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 Univ							
18:30-20:30		QCE24 Banquet								
THU										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 517A									
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 517A									
18:30-20:30		Banquet in 517B								
THU										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	ALG-OCI1: Optimization of quantum circuits - I	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		Lunch									
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											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	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-OCI2: Optimization of quantum circuits - II	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-COPT: Quantum Combinatorial Optimization		TEM-HW2: Quantum Hardware - II	PHO-APPS: Quantum Photonics and Applications		
16:30-17:00											
FRI											Engage in QCE24 Networking Sessions Catalysts for Quantum Innovation & Collaboration