

SUN	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming					
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Guidelines	Technical Paper Presentation Guidelines	
Room	Hall 1 & 2	Ballroom A/B/C	Mesilla - M	San Miguel - U	La Cienega - U	Pecos - U	Ruidoso - U	Galisteo - M	Dona Ana - M	Cimarron - M	
Style Capacity		Banquet 1800	Theater/Panel 216	Theater/Panel 160	Theater/Panel 160	Classroom 66	Classroom 66	Classroom 78	Theater 126	Theater 125	
9:30-10:00											
10:00-11:30			<a href="#">WKS01:QSIMU — Advanced Simulations of Quantum Computations -- Part1</a>	<a href="#">WKS02:QNATSCI — Chemical Applications of Quantum Computing</a>	<a href="#">TUT01:QSTART — Introduction to Quantum Computing</a>	<a href="#">TUT02:QHPC — Exploring the Challenges of Integrating HPC and QC</a>	<a href="#">TUT03:QREST — Bartiq for Symbolic Resource Estim of Fault-Tolerant QALG</a>	<a href="#">TUT04:QTEM — Developing Hybrid Kernels for Gate-Based Neutral-Atom QC</a>	<a href="#">TUT05:QALG — Constraint-Driven QAOA: SW Stack for Optimization Pipelines</a>	<a href="#">TUT06:QSYS — Circuit Synthesis for Early Fault Tolerant Quantum Computers</a>	
11:30-13:00		Lunch Ballroom A/B/C									
13:00-14:30			<a href="#">WKS01:QSIMU — Advanced Simulations of Quantum Computations -- Part1</a>	<a href="#">WKS02:QNATSCI — Chemical Applications of Quantum Computing</a>	<a href="#">TUT01:QSTART — Introduction to Quantum Computing</a>	<a href="#">TUT02:QHPC — Exploring the Challenges of Integrating HPC and QC</a>	<a href="#">TUT03:QREST — Bartiq for Symbolic Resource Estim of Fault-Tolerant QALG</a>	<a href="#">TUT04:QTEM — Developing Hybrid Kernels for Gate-Based Neutral-Atom QC</a>	<a href="#">TUT05:QALG — Constraint-Driven QAOA: SW Stack for Optimization Pipelines</a>	<a href="#">TUT06:QSYS — Circuit Synthesis for Early Fault Tolerant Quantum Computers</a>	
14:30-15:00		Break East Complex Upper Lobby									
15:00-16:30			<a href="#">WKS01:QSIMU — Advanced Simulations of Quantum Computations -- Part1</a>	<a href="#">WKS02:QNATSCI — Chemical Applications of Quantum Computing</a>	<a href="#">TUT01:QSTART — Introduction to Quantum Computing</a>	<a href="#">TP02::QML::260:564:119 Trainable and Optimized Quantum Neural Networks for Machine Learning</a>	<a href="#">TP03::QAPP::584:398:551 Efficient Simulation of Physical Systems via Quantum Circuit Design</a>	<a href="#">TP04::QAPP::597:532:304 Financial Foresight with Quantum Tools</a>	<a href="#">TP05::QSYS::432:430:608 Metrics for Quantum Runtime and Performance</a>	<a href="#">TP06::QSYS::96:227 Calibration and Testing for Real-World Quantum Devices</a>	
16:30-17:00										v222	
SUN	QCE25 Final Program-at-a-Glance					Engage in QCE25 Networking Sessions Catalysts for Quantum Innovation & Collaboration					

SUN	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming					
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Guidelines	Technical Paper Presentation Guidelines	
Room	Aztec - M	Brazos M	Picuris - L	Isleta/Jemez - L	Nambe/Navajo - L	Apache - L	Sandia/Santa Ana - L	Cochiti - L	Taos - L	Laguna - L	
Style Capacity	COMBO SET: Theat58/Class48	COMBO SET: Theat158/Class150	Theater 140	Theater 85	Theater 85	Theater 79	Theater 132	Theater 90	Theater 130	Theater 65	
9:30-10:00											
10:00-11:30	QSEEC01		<a href="#">TUT07:QTEM — Exploring the Pulse-Level Progr of Superconducting Qubits</a>	<a href="#">TUT08:QTEM — QICK: Quantum Instrumentation Control Kit</a>	<a href="#">TUT09:QSEC — Security of Quantum Computing Systems</a>	<a href="#">TUT10:QML — Hands-on Introduction to QML</a>	<a href="#">TUT11:QNET — SeQUnNCe: Discrete-Event Simulator of Quantum Networks</a>	<a href="#">TUT12:QEC — Automated Topological QEC Using 3D Primitives</a>	<a href="#">TP07::QALG::228:801 Scalable and Adaptive QAOA for Real-World Optimization I</a>	<a href="#">TP10::QAPP::355:749:449 Quantum Optimization for Real-World Scheduling and Logistics</a>	
11:30-13:00	Lunch Ballroom A/B/C										
13:00-14:30	QSEEC02	QSEEC05	<a href="#">TUT07:QTEM — Exploring the Pulse-Level Progr of Superconducting Qubits</a>	<a href="#">TUT08:QTEM — QICK: Quantum Instrumentation Control Kit</a>	<a href="#">TUT09:QSEC — Security of Quantum Computing Systems</a>	<a href="#">TUT10:QML — Hands-on Introduction to QML</a>	<a href="#">TUT11:QNET — SeQUnNCe: Discrete-Event Simulator of Quantum Networks</a>	<a href="#">TUT12:QEC — Automated Topological QEC Using 3D Primitives</a>	<a href="#">TP08::QALG::681:796 Scalable and Adaptive QAOA for Real-World Optimization II</a>	<a href="#">TP11::QAPP:404:527:742 Quantum Methods for Power and Physical System Simulation</a>	
14:30-15:00	Break East Complex Upper Lobby										
15:00-16:30	QSEEC03 & 04	QSEEC06	<a href="#">TP13::QNET::186:188:248 Quantum Repeaters</a>	<a href="#">TP14::QNET::422:542 Post-Quantum Cryptography</a>	<a href="#">TP15::QSYS::279:762:420 Quantum Circuit Cutting</a>	<a href="#">TP16::QSYS::453:149:136 Quantum Intermediate Representation</a>	<a href="#">TP17::QAPP::377:693:346 Quantum and Quantum-Inspired Annealing for Scalable Optimization I</a>	<a href="#">TP18::QAPP::537:443:609 Compilation, Correlations, and Entanglement for Application-Driven Design</a>	<a href="#">TP09::QALG::784:438:811 Formulations and Frameworks for Constrained Combinatorial Optimization</a>	<a href="#">TP12::QAPP::253:313:357 Variational Quantum Imaginary Time Evolution for Optimization and Simulation</a>	
16:30-17:30											
17:30-18:30										v222	
SUN	QCE25 Final Program-at-a-Glance					Engage in QCE25 Networking Sessions Catalysts for Quantum Innovation & Collaboration					

MON	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming				
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Questionnaires	Technical Paper Presentation Questionnaires
Room	Hall 1 & 2	Kiva Auditorium	Mesilla - M	San Miguel - U	La Cienega - U	Pecos - U	Ruidoso - U	Galileo - M	Dona Ana - M	Cimarron - M
Style Capacity	Exhibits Posters	Theater 2000	Theater/Panel 216	Theater/Panel 160	Theater/Panel 160	Classroom 66	Classroom 66	Classroom 78	Theater 126	Theater 125
7:30-8:00		Break West Complex Lower Ballroom Foyer								
8:00-9:30		KEY01 — Zach Yerusalmi, Elevate Quantum								
9:30-10:00		Break West Complex Lower La Sala Foyer								
10:00-11:30			WKS04:QSIMU — Advanced Simulations of Quantum Computations — Part 2	WKS05:QNATSCI — 3rd Wks on QC for NatSci: Technology and Applications	PAN01:QCPR:876 Clearing the Path to Commercial Quantum Advantage	TUT13:QGenAI — AI Methods for Quantum Circuit Optimization	TUT14:QTEM — Computer-Aided Design of Spin Qubits in Quantum Dots	TUT15:QTEM — QubiC: Full-Stack Scalable Real-Time Quantum Bit Controller	WKS03:QPOLY — Quantum in Consumer Technology	WKS06:QHPC — 5th Int Wks on Integrating HPC with QC
11:30-13:00		Lunch Ballroom A/B/C								
13:00-14:30			WKS04:QSIMU — Advanced Simulations of Quantum Computations — Part 2	WKS05:QNATSCI — 3rd Wks on QC for NatSci: Technology and Applications	PAN02:QSWE:880 QC Software Stacks: What's accomplished & what's left to do?	TUT13:QGenAI — AI Methods for Quantum Circuit Optimization	TUT14:QTEM — Computer-Aided Design of Spin Qubits in Quantum Dots	TUT15:QTEM — QubiC: Full-Stack Scalable Real-Time Quantum Bit Controller	WKS03:QPOLY — Quantum in Consumer Technology	WKS06:QHPC — 5th Int Wks on Integrating HPC with QC
14:30-15:00	Exhibits & Posters Setup	Break East Complex Upper Lobby								
15:00-16:30			WKS04:QSIMU — Advanced Simulations of Quantum Computations — Part 2	WKS05:QNATSCI — 3rd Wks on QC for NatSci: Technology and Applications	PAN03:QPLOY:875 Quantum Toolkit: Transdisciplinary Catalysis for App Discovery	TP19:QAPP:521-400-725 Quantum Approaches to Simulation and Forecasting	TP20:QSYS:655-320-168 Compiling for Fault Tolerant Quantum Computing	TP21:QSYS:219-245-370 Specialized Quantum Workflows	WKS03:QPOLY — Quantum in Consumer Technology	WKS06:QHPC — 5th Int Wks on Integrating HPC with QC
16:30-17:00		Break East Complex Upper Lobby								
17:00-18:30		KEY02 — Rodney van Meter, Keio University		Meet the Customer Session & Networking Reception in Acoma/Zuni/Tesque						
18:30-19:30			Societies Townhall & Networking Reception							v222
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MON	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming				
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Questionnaires	Technical Paper Presentation Questionnaires
Room	Aztec - M	Brazos M	Picuris - L	Isleta/Jemez - L	Nambe/Navajo - L	Apache - L	Sandia/Santa Ana - L	Cochiti - L	Taos - L	Laguna - L
Style Capacity	COMBO SET: Theat58/Class48	COMBO SET: Theat158/Class150	Theater 140		Theater 85	Theater 79	Theater 132	Theater 90	Theater 130	Theater 65
7:30-8:00	Break West Complex Lower Ballroom Foyer									
8:00-9:30	Keynote in Kiva Auditorium									
9:30-10:00	Break West Complex Lower La Sala Foyer									
10:00-11:30	QSEEC07	QSEEC11	WKS07:QREST — Quantum Resource Estimation	WKS09:QALG — Quantum Algorithms for Combinatorial Optimization	WKS10:QSEC — Quantum Computing Security, Privacy, and Resilience	WKS11:QML — Quantum Machine Learning: From Research to Practice	WKS12:QNET — Quantum Network Simulations	TUT16:QNET — Modeling & Simulation of Quantum Repeaters & Networks	TUT39:QEC — Characterization-based Error Mitigation for QC	TP22:QNET:200:573:556 Secure and Scalable Quantum Communication
11:30-13:00	Lunch Ballroom A/B/C									
13:00-14:30	QSEEC08	QSEEC12	WKS07:QREST — Quantum Resource Estimation	WKS09:QALG — Quantum Algorithms for Combinatorial Optimization	WKS10:QSEC — Quantum Computing Security, Privacy, and Resilience	WKS11:QML — Quantum Machine Learning: From Research to Practice	WKS12:QNET — Quantum Network Simulations	TUT16:QNET — Modeling & Simulation of Quantum Repeaters & Networks	TUT39:QEC — Characterization-based Error Mitigation for QC	TP23:QNET:309:734:356 Loss-Resilient Protocols for Quantum Communication
14:30-15:00	Break East Complex Upper Lobby									
15:00-16:30	QSEEC09 & 10	QSEEC13	WKS07:QREST — Quantum Resource Estimation	WKS09:QALG — Quantum Algorithms for Combinatorial Optimization	WKS10:QSEC — Quantum Computing Security, Privacy, and Resilience	WKS11:QML — Quantum Machine Learning: From Research to Practice	WKS12:QNET — Quantum Network Simulations	TP25:QSYS:229-403-522 Symbolic Tools and Resource Optimization for Quantum Architectures	TP26:QML:316:343:635 Noise Mitigation and Error Correction in QML	TP24:QNET:285:468:570 Quantum Communication
16:30-17:00	Break East Complex Upper Lobby									
17:00-18:30	Keynote in Kiva Auditorium									v222
MON	QCE25 Final Program-at-a-Glance					Engage in QCE25 Networking Sessions Catalysts for Quantum Innovation & Collaboration				

TUE	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming				
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Roundtable Discussions	Technical Paper Presentation Roundtable
Room	Hall 1 & 2	Kiva Auditorium	Mesilla - M	San Miguel - U	La Cienega - U	Pecos - U	Ruidoso - U	Galisteo - M	Dona Ana - M	Cimarron - M
Style Capacity	Exhibits, Theater, Posters, Startup Clinic	Theater 2000	Theater/Panel 216	Theater/Panel 160	Theater/Panel 160	Classroom 66	Classroom 66	Classroom 78	Theater 126	Theater 125
7:30-8:00		Early Morning Coffee Break								
8:00-9:30		KEY03 — David Wineland, University of Oregon & William Phillips, NIST								
9:30-10:00	Break & Posters & Exhibits	Theater Presentations Schedule								
10:00-11:30	IEEE Entrepreneurship, Startup Clinic & Exhibits & Theater	Exhibit Theater in Hall 1 & 2	WKS08:QSWE — Quantum Software 2.1: Problems, Ideas, Paths to Scale	WKS13:QCPR — Quantum TechWorking Groups, QC in Practice — Part1	PAN04:QPOLY-923 Quantum New Mexico Institute: Why NM is a Quantum State	TUT17:QSWE —10 Things, Running Code in Research Project — Do This Instead!	TP90:QSYS-780,754 Quantum Systems	WKS15:QGenAI — Quantum Accelerated Supercomputing	WKS16:QSWE — 5th Int. Wks on Quantum Software, Engr & Technology	WKS17:QSWE — Care and Maintenance of Quantum Software Stakeholders
11:30-13:00	Lunch & Posters & Exhibits	Theater Schedule								
13:00-14:30	IEEE Entrepreneurship, Startup Clinic & Exhibits & Theater	Exhibit Theater in Hall 1 & 2	WKS08:QSWE — Quantum Software 2.1: Problems, Ideas, Paths to Scale	WKS13:QCPR — Quantum TechWorking Groups, QC in Practice — Part1	BOF01:QPOLY — African, QEEcosystem & Diaspora: Building Bridges & Impact	TUT17:QSWE —10 Things, Running Code in Research Project — Do This Instead!	TP91:QSYS-651-583 Quantum Systems and Applications	WKS15:QGenAI — Quantum Accelerated Supercomputing	WKS16:QSWE — 5th Int. Wks on Quantum Software, Engr & Technology	WKS17:QSWE — Care and Maintenance of Quantum Software Stakeholders
14:30-15:00	Break & Posters & Exhibits	Theater Schedule								
15:00-16:30	IEEE Entrepreneurship, Startup Clinic & Exhibits & Theater	Exhibit Theater in Hall 1 & 2	WKS08:QSWE — Quantum Software 2.1: Problems, Ideas, Paths to Scale	WKS13:QCPR — Quantum TechWorking Groups, QC in Practice — Part1	TP89:OALG-426-178-512 Quantum Algorithms	TP27:QAPP-505-612-618 Toward Trustworthy Quantum Computation	TP28:QAPP-181414-563 Quantum Optimization for Logistics and Routing in Real-World Systems	WKS15:QGenAI — Quantum Accelerated Supercomputing	WKS16:QSWE — 5th Int. Wks on Quantum Software, Engr & Technology	WKS17:QSWE — Care and Maintenance of Quantum Software Stakeholders
16:30-17:00		Break at Kiva								
17:00-18:30		KEY04 — Jay Gambetta, IBM Quantum								
18:30-20:00	Reception Exhibits & Posters									v222
TUE	QCE25 Final Program-at-a-Glance					Engage in QCE25 Networking Sessions Catalysts for Quantum Innovation & Collaboration				

TUE	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming				
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Roundtable Discussions	Technical Paper Presentation Roundtable
Room	Aztec - M	Brazos M	Picuris - L	Isleta/Jemez - L	Nambe/Navajo - L	Apache - L	Sandia/Santa Ana - L	Cochiti - L	Taos - L	Laguna - L
Style Capacity	COMBO SET: Theat58/Class48	COMBO SET: Theat158/Class150	Theater 140	Theater 85	Theater 85	Theater 79	Theater 132	Theater 90	Theater 130	Theater 65
7:00-8:00	Early Morning Coffee Break at Kiva									
8:00-9:30	Keynote in Kiva Auditorium									
9:30-10:00	Break & Posters & Exhibits Hall 1 & 2	Theater Schedule								
10:00-11:30	TP38:QAPP-637-385-264 Quantum Algorithms for Learning and Combinatorial Optimization	TP39:QAPP-151-225-131 Quantum Computing for Financial Modeling and Portfolio Optimization	WKS19:QML — Quantum Computing & Reinforcement Learning (QCRL)	TP29:QAPP-254-711-450 Quantum and Quantum-Inspired Annealing for Scalable Optimization II	WKS18:QEC — Quantum Error Correction: Pathways to Scalability	TUT21:QTEM — FTQC, Architecture Design and Resource Estim Using TopQAD	WKS20:QNET — Quantum Network Engineering	TP32:QNET-488-600-778 Optimization in Quantum Networks	TP35:OALG-678-102-484 Toward Secure and Reliable Quantum Computing in the NISQ Era	WKS14:QANATSCI — QC Opportunities in Energy Innovation
11:30-13:00	Lunch & Posters & Exhibits	Theater Schedule								
13:00-14:30	TUT19:QALG — Practical Quantum Algorithm Design with Qmod	TUT20:QTEM — Circuit & Qubit Interactions in Silicon & Superconduct Qubits	WKS19:QML — Quantum Computing & Reinforcement Learning (QCRL)	TP30:QAPP-669-360-605 Quantum Solutions for Transportation, Routing, and Scheduling Problems	WKS18:QEC — Quantum Error Correction: Pathways to Scalability	TUT21:QTEM — FTQC, Architecture Design and Resource Estim Using TopQAD	WKS20:QNET — Quantum Network Engineering	TP33:QNET-250-794-289 Quantum Protocols and Experiments Beyond the Lab	TP36:QALG-238-561-740 Overcoming Optimization Challenges in Quantum Algorithms	WKS14:QANATSCI — QC Opportunities in Energy Innovation
14:30-15:00	Break & Posters & Exhibits Hall 1 & 2	Theater Schedule								
15:00-16:30	TUT19:QALG — Practical Quantum Algorithm Design with Qmod	TUT20:QTEM — Circuit & Qubit Interactions in Silicon & Superconduct Qubits	WKS19:QML — Quantum Computing & Reinforcement Learning (QCRL)	TP31:QAPP-602-506-130 Toward Robust and Secure Quantum Algorithms and Compilation	WKS18:QEC — Quantum Error Correction: Pathways to Scalability		WKS20:QNET — Quantum Network Engineering	TP34:QNET-237-789-789 Real-Time Control & Integration for Scalable Quantum Platforms	TP37:QALG-496-531-282 Structured and Fault-Tolerant Circuits for Robust Quantum Computation	WKS14:QANATSCI — QC Opportunities in Energy Innovation
16:30-17:00	Break at Kiva									
17:00-18:30	Keynote in Kiva Auditorium									
18:30-19:30										v222
TUE	QCE25 Final Program-at-a-Glance					Engage in QCE25 Networking Sessions Catalysts for Quantum Innovation & Collaboration				

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Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Questions	Technical Paper Presentation Questions
Room	Hall 1 & 2	Kiva Auditorium	Mesilla	San Miguel	La Cienega - U	Pecos	Ruidoso	Galisteo	Dona Ana	Cimarron
Style Capacity	Exhibits, Theater, Posters, Career Fair, Student Mentoring	Theater 2000	Theater/Panel 216	Theater/Panel 160	Theater/Panel 160	Classroom 66	Classroom 66	Classroom 78	Theater 126	Theater 125
7:30-8:00		Early Morning Coffee Break at Kiva								
8:00-9:30		KEY05 — Pete Shadbolt, PsiQuantum								
9:30-10:00	Break & Posters & Exhibits	Poster Presentations Schedule								
10:00-11:30	Exhibits & Theater	Student Speed Mentorship Ballroom B	WKS21-QCAPX — Quantum Venture Summit: 6th Wks QC Entrepreneurship	WKS22-QCPR — Quantum TechWorking Groups: QC in Practice — Part 2	PAN05:QHPC:881 Enabling HPC Centers to lead in the Quantum Era	WKS23:QSWE — Open System Architecture Quantum Computers Innovation	WKS26:QPHQ — Photonic Quantum Computing	WKS28:ONET — Quantum Interconnects & Compilation for FT DQCA	WKS25:QTEM — 4th Wks Control Systems for Quantum Computing (CS4Q)	WKS24:QSYS — Q-CORE: Hybrid Orchestration for Resilient Engineering
11:30-13:00	Lunch & Posters & Exhibits	Posters Schedule								
13:00-14:30	Career Fair & Exhibits	Exhibit Theater in Hall 1 & 2	WKS21-QCAPX — Quantum Venture Summit: 6th Wks QC Entrepreneurship	WKS22-QCPR — Quantum TechWorking Groups: QC in Practice — Part 2	PAN06:QPOLY:882 Bridging Human Quantum Readiness Gap: Across Disciplines	WKS23:QSWE — Open System Architecture Quantum Computers Innovation	WKS26:QPHQ — Photonic Quantum Computing	WKS28:ONET — Quantum Interconnects & Compilation for FT DQCA	WKS25:QTEM — 4th Wks Control Systems for Quantum Computing (CS4Q)	WKS24:QSYS — Q-CORE: Hybrid Orchestration for Resilient Engineering
14:30-15:00	Break & Posters & Exhibits	Posters Schedule								
15:00-16:30	Exhibits & Theater	Exhibit Theater in Hall 1 & 2	WKS21-QCAPX — Quantum Venture Summit: 6th Wks QC Entrepreneurship	WKS22-QCPR — Quantum TechWorking Groups: QC in Practice — Part 2	PAN07:QGenAI:1048 Quantum-Accurate AI, QC & ML Chemistry & Materials	WKS23:QSWE — Open System Architecture Quantum Computers Innovation	WKS26:QPHQ — Photonic Quantum Computing	WKS28:ONET — Quantum Interconnects & Compilation for FT DQCA	WKS25:QTEM — 4th Wks Control Systems for Quantum Computing (CS4Q)	WKS24:QSYS — Q-CORE: Hybrid Orchestration for Resilient Engineering
16:30-17:00		Break at Kiva								
17:00-18:30		KEY06 — Prineha Narang, UCL								v222
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Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Questions	Technical Paper Presentation Questions
Room	Aztec - M	Brazos M	Picuris - L	Isleta/Jemez - L	Nambe/Navajo - L	Apache - L	Sandia/Santa Ana - L	Cochiti - L	Taos - L	Laguna - L
Style Capacity	COMBO SET: Theat158/Class48	COMBO SET: Theat158/Class150	Theater 140	Theater 85	Theater 85	Theater 79	Theater 132	Theater 90	Theater 130	Theater 65
7:00-8:00	Early Morning Coffee Break at Kiva									
8:00-9:30	Keynote in Kiva Auditorium									
9:30-10:00	Break & Posters & Exhibits Hall 1 & 2	Posters Schedule								
10:00-11:30	TP49:QSYS:311-345-419 Quantum Circuit Optimization	TP50:QTEM:176-318-616 Quantum Technologies Optimization	TP51:QALG:459-787-644 Quantum Data Encoding and Signal Processing for Reliable Computation	TUT26:QML — Encoders, Networks, Circuits, Variational QALG with QML	WKS29:ONET — Metropolitan-Scale Entanglement Networks Use-Cases	BOF02:QSYS — Bridging Gap between Compiler, Developers & Scientists	TUT27:QEC — Accelerating Learning and Research in QEC with Loom	TP40:QAPP:185-209-197 Quantum Algorithms for Chemistry and Biological Systems I	TP43:QALG:362-381-690 Quantum Algorithms for Linear Systems and Period Finding	TP46:QNET:319-480-670 Quantum State Eng & Network Interoperability
11:30-13:00	Lunch & Posters & Exhibits	Posters Schedule								
13:00-14:30	TUT23:QNATSCI — Quantum Chemistry on Quantum Computers	TUT24:QCPR — Hybrid HPC-QC Workflows: Solving Many-Body Sys on AWS	TUT25:QALG — Solving Nonlinear Optimization with Quantum Computers	TUT26:QML — Encoders, Networks, Circuits, Variational QALG with QML	WKS29:ONET — Metropolitan-Scale Entanglement Networks Use-Cases	PAN08:QSWE:1034 Progress and Platforms in the Era of Reliable Quantum Computing	TUT27:QEC — Accelerating Learning and Research in QEC with Loom	TP41:QAPP:533-814-625 Quantum Algorithms for Chemistry and Biological Systems II	TP44:QALG:301-624-193 Adaptive Strategies for Variational Quantum Optimization	TP47:QNET:272-436-662 Entanglement in Quantum Networks I
14:30-15:00	Break & Posters & Exhibits Hall 1 & 2	Posters Schedule								
15:00-16:30	TUT23:QNATSCI — Quantum Chemistry on Quantum Computers	TUT24:QCPR — Hybrid HPC-QC Workflows: Solving Many-Body Sys on AWS	TUT25:QALG — Solving Nonlinear Optimization with Quantum Computers	TP52:QALG:688-271-199 Quantum Circuit Design for Modeling, Estimation, and Control	WKS29:ONET — Metropolitan-Scale Entanglement Networks Use-Cases	BOF03:QHPC — Distributed Quantum Simulators on Exa-scale HPC Systems	TP53:QML:491-374-481 Structure-Aware QML for Physical and Graph-Based Systems	TP42:QAPP:98-336-479 Emerging Topics in Quantum Applications	TP45:QALG:425-585-614 Efficient Quantum State Preparation and Algorithmic Primitives	TP48:QNET:697-792-322 Entanglement in Quantum Networks II
16:30-17:00	Break at Kiva									
17:00-18:30	Keynote in Kiva Auditorium									v222
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THU	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming				
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Guidelines	Technical Paper Presentation Guidelines
Room	Hall 1 & 2	Kiva Auditorium	Mesilla - M	San Miguel - U	La Cienega - U	Pecos - U	Ruidoso - U	Galileo - M	Dona Ana - M	Cimarron - M
Style Capacity	Exhibits, Theater Posters	Theater 2000	Theater/Panel 216	Theater/Panel 160	Theater/Panel 160	Classroom 66	Classroom 66	Classroom 78	Theater 126	Theater 125
7:30-8:00		Early Morning Coffee Break at Kiva								
8:00-9:30		KEY07 — Chetan Nayak, Microsoft								
9:30-10:00	Break & Posters & Exhibits	Poster Presentations, Questions								
10:00-11:30	Exhibits & Theater	Exhibit Theater in Hall 1 & 2	WKS31:QNATSCI — Quantum Algorithms for Bio and Life Sciences	WKS32:QALG — Quantum Algorithms for Financial Applications	PAN10:QTEM:1049_QC using Majorana-Based Topological Qubits	WKS30:QPOLY — Quantum Sciences Standards — International Status	WKS33:QALG — 3rd Wks Quantum Algorithm Design Automation (QADA)	WKS34:QAPP — Quantum Algorithms Industrial Apps., Theory & Practice	WKS37:QGenAI — Quantum Artificial Intelligence	WKS36:QTEM — Cryogenic Electronics for Quantum Systems
11:30-13:00	Lunch & Posters & Exhibits	Posters Schedule								
13:00-14:30	Exhibits & Posters close at 13:30 Tear down		WKS31:QNATSCI — Quantum Algorithms for Bio and Life Sciences	WKS32:QALG — Quantum Algorithms for Financial Applications	PAN11:QEC:975 Real-time QEC, Achievements & Challenges	WKS30:QPOLY — Quantum Sciences Standards — International Status	WKS33:QALG — 3rd Wks Quantum Algorithm Design Automation (QADA)	WKS34:QAPP — Quantum Algorithms Industrial Apps., Theory & Practice	WKS37:QGenAI — Quantum Artificial Intelligence	WKS36:QTEM — Cryogenic Electronics for Quantum Systems
14:30-15:00										
15:00-16:30			WKS31:QNATSCI — Quantum Algorithms for Bio and Life Sciences	WKS32:QALG — Quantum Algorithms for Financial Applications	PAN12:QEC:1022 Towards QC Standardization: QEC Interfaces Can't Wait	WKS30:QPOLY — Quantum Sciences Standards — International Status	WKS33:QALG — 3rd Wks Quantum Algorithm Design Automation (QADA)	WKS34:QAPP — Quantum Algorithms Industrial Apps., Theory & Practice	WKS37:QGenAI — Quantum Artificial Intelligence	WKS36:QTEM — Cryogenic Electronics for Quantum Systems
16:30-17:00		Break at Kiva								
17:00-18:30		KEY08 — Stephanie Simmons, Photonic & SFU								
18:30-20:30	QCE25 Noche de Flamenco en Burque									v222
THU	QCE25 Final Program-at-a-Glance					Engage in QCE25 Networking Sessions Catalysts for Quantum Innovation & Collaboration				

THU	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming				
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Guidelines	Technical Paper Presentation Guidelines
Room	Aztec - M	Brazos M	Picuris - L	Isleta/Jemez - L	Nambe/Navajo - L	Apache - L	Sandia/Santa Ana - L	Cochiti - L	Taos - L	Laguna - L
Style Capacity	COMBO SET: Theat58/Class48	COMBO SET: Theat158/Class150	Theater 140	Theater 85	Theater 85	Theater 79	Theater 132	Theater 90	Theater 130	Theater 65
7:00-8:00	Early Morning Coffee Break at Kiva									
8:00-9:30	Keynote in Kiva Auditorium									
9:30-10:00	Break Ballroom A/B/C									
10:00-11:30	WKS38:QCC — Distributed QC Applications, Challenge & Opportunities	TUT28:QHPC — Sample-Based Quantum, Diagonalization and Qiskit Addons	TP64:QALG:95:187:263 Foundations of Quantum Operations	TP65:QSYS:155:513:423 Quantum Circuit Compilation I	WKS35:QSYS — Device-Aware Quantum Software	PAN09:QEC:1051 From Physical to Logical: Implementing QEC in Real World	TUT37:QCPR — Quantum Coding with Q#, VS Code and the GitHub Copilot	TP54:QSYS:182:210:489 Quantum Error Correction I	TP57:QNET:401:708:774 Routing in Quantum Networks	TP60:QPHO:970:395:744 Integrated Photonic Technologies for Scalable Quantum Systems
11:30-13:00	Lunch Ballroom A/B/C									
13:00-14:30	WKS38:QCC — Distributed QC Applications, Challenge & Opportunities	TUT28:QHPC — Sample-Based Quantum, Diagonalization and Qiskit Addons	TUT30:QPHO — Entropy, Quantum Computers — Principles and Applications	TUT31:QEC — Adventures in High-Dimensional QEC in Python	WKS35:QSYS — Device-Aware Quantum Software	TUT32:QNET — Quantum Communications and Sensing from Space	TUT37:QCPR — Quantum Coding with Q#, VS Code and the GitHub Copilot	TP55:QSYS:523:349:812 Quantum Error Correction II	TP58:QNET:107:189:359 Quantum Network Design	TP61:QPHO:836:855:925 Quantum Advantage and Benchmarking in Optical and Photonic Systems
14:30-15:00	Break Ballroom A/B/C									
15:00-16:30	WKS38:QCC — Distributed QC Applications, Challenge & Opportunities	TP63:QALG:232:702:497 Quantum Algorithms & Benchmarking for Scientific & Optimization Workflows	TUT30:QPHO — Entropy, Quantum Computers — Principles and Applications	TUT31:QEC — Adventures in High-Dimensional QEC in Python	WKS35:QSYS — Device-Aware Quantum Software	TUT32:QNET — Quantum Communications and Sensing from Space	TP66:QSYS:160:273:645 Quantum Circuit Compilation II	TP56:QSYS:190:183:206 Quantum Error Correction III	TP59:QNET:284:663:755 Quantum Paths	TP62:QPHO:860:337:846 Advances in Photonic Quantum Computing
16:30-17:00	Break at Kiva									
17:00-18:30	Keynote in Kiva Auditorium									
18:30-20:30	QCE25 Noche de Flamenco en Burque									v222
THU	QCE25 Final Program-at-a-Glance					Engage in QCE25 Networking Sessions Catalysts for Quantum Innovation & Collaboration				

FRI	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming				
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Guidelines	Technical Paper Presentation Guidelines
Room	Hall 1 & 2	Kiva Auditorium	Mesilla - M	San Miguel - U	La Cienega - U	Pecos - U	Ruidoso - U	Galisteo - M	Dona Ana - M	Cimarron - M
Style Capacity		Theater 2000	Theater/Panel 216	Theater/Panel 160	Theater/Panel 160	Classroom 66	Classroom 66	Classroom 78	Theater 126	Theater 125
7:30-8:00		Break West Complex Lower Ballroom Foyer								
8:00-9:30		KEY09 — Sam Stanwyck, NVIDIA								
9:30-10:00		Break West Complex Lower La Sala Foyer								
10:00-11:30			WKS39:QSTART — Quantum Computing Research Challenges	WKS40:QGenAI — Recent Advances in AI for Quantum: Algorithms & Apps	PAN13::QPOLY::1052_QC Global Hackathons: Building Capacity, Bridging Divides	WKS42:QTEM — EDS: Integr. Technology Challenges in Quantum Computers	TUT33:QHPC — Operator Back Propagation (OBP) in Large Hybrid Environments	TUT35:QSWE — Quantum Software Stacks: Requirements, Experiences	WKS41:QSWE — Prog. Abstractions for Effective Quantum Development	TUT34:QCPR — QC Adoption: A Hands-on Tutorial With CUDA-Q and AWS
11:30-13:00		Lunch Ballroom A/B/C								
13:00-14:30			WKS39:QSTART — Quantum Computing Research Challenges	WKS40:QGenAI — Recent Advances in AI for Quantum: Algorithms & Apps	TP67::QML::321:604:180 AI-Driven Generation and Optimization of Quantum Circuits	WKS42:QTEM — EDS: Integr. Technology Challenges in Quantum Computers	TUT33:QHPC — Operator Back Propagation (OBP) in Large Hybrid Environments	TUT35:QSWE — Quantum Software Stacks: Requirements, Experiences	WKS41:QSWE — Prog. Abstractions for Effective Quantum Development	TUT34:QCPR — QC Adoption: A Hands-on Tutorial With CUDA-Q and AWS
14:30-15:00		Break East Complex Upper Lobby								
15:00-16:30			WKS39:QSTART — Quantum Computing Research Challenges	WKS40:QGenAI — Recent Advances in AI for Quantum: Algorithms & Apps	TP68::QML::257:291:771 Secure and Feedback-Driven QML	WKS42:QTEM — EDS: Integr. Technology Challenges in Quantum Computers			WKS41:QSWE — Prog. Abstractions for Effective Quantum Development	
16:30-17:00										v222
FRI	QCE25 Final Program-at-a-Glance					Engage in QCE25 Networking Sessions Catalysts for Quantum Innovation & Collaboration				

FRI	QCE25 Final Program-at-a-Glance					IEEE Quantum Week 2025 featuring 550+ Hours of Exceptional Quantum Programming				
Legend	Exhibits & Theater	Keynote	Workshop	Tutorial	Technical Papers	Panel	Birds-of-the-Feather	Special Events	Speaker Guidelines	Technical Paper Presentation Guidelines
Room	Aztec - M	Brazos M	Picuris - L	Isleta/Jemez - L	Nambe/Navajo - L	Apache - L	Sandia/Santa Ana - L	Cochiti - L	Taos - L	Laguna - L
Style Capacity	COMBO SET: Theat58/Class48	COMBO SET: Theat158/Class150	Theater 140	Theater 85	Theater 85	Theater 79	Theater 132	Theater 90	Theater 130	Theater 65
7:00-8:00	Break West Complex Lower Ballroom Foyer									
8:00-9:30	Keynote in Kiva Auditorium									
9:30-10:00	Break West Complex Lower La Sala Foyer									
10:00-11:30	TUT36:QPHO — Photonic QIP: From Basics to Applications	TUT38:QEC — Real-time Ultra-large-scale QEC Compilation and Execution	TP69::QAPP::508:511:269 Quantum Computing for Biological systems and Biomedical Data	TP72::QML::775:388:727 Architectures and Preprocessing for Scalable Scientific QML	TP77::QAPP::473:773:220 Scalable Quantum Error Correction	TP78::QTEM::696:123:292 Quantum Control I	TP81::QSYS::236:327:822 Tools for Reliable Quantum Computing	TP83::QML::759:150:153 Quantum Kernels and Structured Circuits for Supervised Learning	TP85::QSYS::7:544 Quantum Programming Languages	TP87::QNET::172:226:353 Quantum Networking Protocols I
11:30-13:00	Lunch Ballroom A/B/C									
13:00-14:30	TUT36:QPHO — Photonic QIP: From Basics to Applications	TUT38:QEC — Real-time Ultra-large-scale QEC Compilation and Execution	TP70::QAPP::463:369:323 Quantum Techniques for Classical Computing and Language Processing	TP73::QML::234:607:347 Improving Variational Learning	TP76::QAPP::407:680:368 Simulating the Complex Quantum Methods for Fields, Flows, and Forecasting	TP79::QTEM::328:818:631 Quantum Control II	TP82::QSYS::191:332:315 Software Infrastructure for Scalable Quantum Execution	TP84::QML::475:595:252 Data-Efficient and Uncertainty-Aware QML	TP86::QSYS::270:476:536 Quantum Error Mitigation	TP88::QNET::455:689:492 Quantum Networking Protocols II
14:30-15:00	Break East Complex Upper Lobby									
15:00-16:30			TP71::QAPP::675:791:471 Quantum-Inspired Models for Learning, Perception, and Cognition	TP74::QML::598:684:695 Quantum Architecture Search		TP80::QTEM::281:679:785 Co-simulation and Analysis for Superconducting Platforms				
16:30-17:00										v222
FRI	QCE25 Final Program-at-a-Glance					Engage in QCE25 Networking Sessions Catalysts for Quantum Innovation & Collaboration				