V93 — QCE21 Final Program-at-a-Glance — IEEE Quantum Week 2021 — IEEE International Conference on Quantum Computing and Engineering

Keynote Zoom Room—Eagle
Panel Zoom Rooms—Moose 1, 2, 3
Scheduled Exhibits Zoom Rooms—Patron Names
Exercise Zoom Room—Pronghorn

Legend
Tutorial Zoom Rooms—Bear 1, 2, 3, 4, 5
Workshop Zoom Rooms—Elk 1, 2, 3, 4, 5
Poster Zoom Room—Bison

Technical Paper Zoom Rooms—Bighorn 1, 2
Birds-of-a-Feather (BoF) Zoom Room—Hawk
Networking Zoom Room—Wise-Owl 1, 2
Relax & Recharge Zoom Room—Colorado

To open the respective QCE21 program webpage, click on the text of a program component cell. Try exploring the program with dual monitors.

V93			10:45-15:15						V93
Sun Oct 17	QCE21 Website		ANL, NASA, ORNL, NVIDIA, FNAL, HRL: Advanced Quantum Simulation Pakin, Rieffel, LANL, NASA: Quantum Computing Intro Angara, U Victoria, Honeywell: Pathways to QC for Youth Jiang, GMU: QuantumFlow: End-to-End NN Framework				16:00-19:00 Thomasen, Sho, QunaSys, Japan: Quantum Chemistry		Sun Oct 17
	8:30-10:00	10:00-10:45	10:45-12:15	12:15-13:00	13:00-14:30	14:30-15:15	15:15-16:45	16:45-18:15	18:15-18:45	
Mon Oct 18	Krysta Svore Microsoft Quantum Systems	IonQ IQM Bluefors Classiq BoF: ECE Apps Posters 1 Keynote Hangout EX1: HIT Workout	QAA-1 ANL, NASA, ORNL, NVIDIA, FNAL, HRL: Advanced Quantum Simulation Lavrijsen, LBNL: Hybrid Quantum-Classical Algorithms Chen, Wong, Sotelo, Ibaraki, TEMS: QC Entrepreneurship Moreno, Spain: Metropolis Quantum Walk Software Zanner, Microsoft: Azure Quantum Ecosystem Development Wootton, IBM: Benchmarking Near-Term Devices with EC Giani, Eldredge, GE Research & DOE: QC in Renewable Energy Almudever: Quantum Scientific Computing LibKet Sivan, Martinis, Aaronson, Blatt, Keesling: QC in 2050	IBM Quantum ColdQuanta Riverlane OZOptics Pasqal Posters 2 NW1: Computing NW2: Engineering C1: Beautiful Colorado Women in Quantum	QAA-2 ANL, NASA, ORNL, NVIDIA, FNAL, HRL: Advanced Quantum Simulation Lavrijsen, LBNL: Hybrid Quantum-Classical Algorithms Chen, Wong, Sotelo, Ibaraki, TEMS: QC Entrepreneurship Moreno, Spain: Metropolis Quantum Walk Software Zanner, Microsoft: Azure Quantum Ecosystem Development Wootton, IBM: Benchmarking Near-Term Devices with EC Giani, Eldredge, GE Research & DOE: QC in Renewable Energy Almudever: Quantum Scientific Computing LibKet D-Wave: Accelerating Practical Quantum Computing	Microsoft D-Wave Seeqc Tabor Posters 3 NW3: Hybrid Algos NW4: Newcomers C2: Cheyenne Mt Zoo EX2: Stretch Exercise	QAA-3 ANL, NASA, ORNL, NVIDIA, FNAL, HRL: Advanced Quantum Simulation Lavrijsen, LBNL: Hybrid Quantum-Classical Algorithms Chen, Wong, Sotelo, Ibaraki, TEMS: QC Entrepreneurship Moreno, Spain: Metropolis Quantum Walk Software Zanner, Microsoft: Azure Quantum Ecosystem Development Giani, Eldredge, GE Research & DOE: QC in Renewable Energy QPARC: Industry Community to Quantum Advantage	Alan Baratz, D-Wave Systems	Keynote Hangout	Mon Oct 18
	8:30-10:00	10:00-10:45	10:45-12:15	12:15-13:00	13:00-14:30	14:30-15:15	15:15-16:45	16:45-18:15	18:15-18:45	
Tue Oct 19	Jay Gambetta IBM Quantum	QM Keysight Toptica Zurich-Inst BoF: Frantz-Jobs Posters 4 Keynote Hangout EX3: Dance Abba	QCS-1 Cohen, Quantum Machines: Quantum Orchestration Platform Yu, Glick, IBM: Qiskit Runtime for Quantum-Classical Computation Perez, UCLM: Quantum Software Engineering & Technology North, ColdQuanta: Remotely Programmable Sensing & Simulation Shammah, Scholten, Unitary Fund: Open Quantum Hardware Silvério, Pasqal: Pulse-level Progr Neutral-Atom Devices Fahim, FNAL & Charbon, EPFL: Cryogenic Electronics for QC Qblox: The Future of Quantum Control Stacks Riverlane: Quantum Error Correction – How to Train the Dragon	Intel Nu Quantum QAI Qblox Google Posters 5 NW5: Developers NW6: Nature Simu C3: Bear Lake EX4: Yoga for Focus	QCS-2 Cohen, Quantum Machines: Quantum Orchestration Platform Yu, Glick, IBM: Qiskit Runtime for Quantum-Classical Computation Perez, UCLM: Quantum Software Engineering & Technology North, ColdQuanta: Remotely Programmable Sensing & Simulation Shammah, Scholten, Unitary Fund: Open Quantum Hardware Silvério, Pasqal: Pulse-level Progr Neutral-Atom Devices Fahim, FNAL & Charbon, EPFL: Cryogenic Electronics for QC Zurich Instruments: Full Quantum Stack of Superconducting Qubits QWS-1	AWS Braket Quantropi CMC.ca NC-State BoF: TQE Posters 6 NW7: Mentoring NW8: Runtimes C4: Colorado Skiing EX5: Meditation	QCS-3 Cohen, Quantum Machines: Quantum Orchestration Platform Perez, UCLM: Quantum Software Engineering & Technology North, ColdQuanta: Remotely Programmable Sensing & Simulation Shammah, Scholten, Unitary Fund: Open Quantum Hardware Student Mentorship Program Fahim, FNAL & Charbon, EPFL: Cryogenic Electronics for QC Dark Star Lab: Multi-Industry Perspective on Applications QWS-2	Urbasi Sinha, Raman Research Institute	Keynote Hangout	Tue Oct 19
	8:30-10:00	10:00-10:45	10:45-12:15	12:15-13:00	13:00-14:30	14:30-15:15	15:15-16:45	16:45-18:15	18:15-18:45	
Wed Oct 20	Prineha Narang, Harvard U & Aliro	IBM Quantum Riverlane TII Delft-Circuits BoF: Ecosystems Posters 7 Keynote Hangout EX6: Beginner HIIT	QAA-4 Date, ORNL: Quantum Artificial Intelligence Liu, Microsoft: Resource Estimation Chem Apps at Scale Keysight & Bluefors: Scaling NISQ to fault-tolerant QC Meichanetzidis, CQC: lambeq: Compositional Quantum NLP Karlsson, TU Denmark: Integrating HPC with QC Alexander, IBM: Real-Time Control, OpenQASM3 Mohiyaddin, IMEC: Closing Temp Gap Spin-Qubits & Control Newburn, Yeh: Status & Opportunities in K-12 Quantum Edu IBM, SeeQC, MIT, EPFL, MS, Intel: Cryoelectronics & Scaling	IonQ QM Toptica Zurich-Inst BoF: QAI Ecosys Posters 8 NW9: LANL NW10: Education C5: Pikes Peak Classiq: Useful Circuits	QAA-5 Date, ORNL: Quantum Artificial Intelligence Liu, Microsoft: Resource Estimation Chem Apps at Scale Keysight & Bluefors: Scaling NISQ to fault-tolerant QC Karlsson, TU Denmark: Integrating HPC with QC Alexander, IBM: Real-Time Control, OpenQASM3 Mohiyaddin, IMEC: Closing Temp Gap Spin-Qubits & Control QEDS-1 IEEE EPS: Packaging & Interconnect for Quantum Environments	Honeywell Zapata ColdQuanta BoF: Standards Posters 9 NW11: Stacks NW12: Applications C6: Dinausaur Monu EX7: 60's Dance	QAA-6 Date, ORNL: Quantum Artificial Intelligence Keysight & Bluefors: Scaling NISQ to fault-tolerant QC Karlsson, TU Denmark: Integrating HPC with QC Mohiyaddin, IMEC: Closing Temp Gap Spin-Qubits & Control QEDS-2	Brian Neyenhuis, Honeywell Quantum Solutions	Keynote Hangout	Wed Oct 20
	8:30-10:00	10:00-10:45	10:45-12:15	12:15-13:00	13:00-14:30	14:30-15:15	15:15-16:45	16:45-18:15	18:15-18:45	
Thu Oct 21	James S Clarke, Intel Labs	IQM Quantropi TII Bluefors iXblue Posters 10 Keynote Hangout EX8: Dance Queen	QNC-1 Sharma, Keio U, Yeah, Oxford U: QIS for Early-Stage Learners Rossmannek, IBM: Algorithms Natural Sciences Potocnik, imec: Low-power electronics - Superconducting QPs Feld, Delft UT: OpenQL Portable Programming Framework Herrman, ORNL: Developing Q Approximate Optimization Algorithm Hudek, Yam, Ruffner: Trapped Ion QC Delgado, ORNL, Caltech, CERN: QC for HEP Pfister, U Virginia: Photonic Quantum Computing Tech & Org Aspects of Developing Applications for Early QC	Microsoft CMC.ca Classiq Tabor agnostiq Posters 11 NW13: ION-TECH NW14: Argonne C7: Cripple Creek EX9: Stretch Exercise	QNC-2 Sharma, Keio U, Yeah, Oxford U: QIS for Early-Stage Learners Rossmannek, IBM: Algorithms Natural Sciences Potocnik, imec: Low-power electronics - Superconducting QPs Feld, Delft UT: OpenQL Portable Programming Framework Herrman, ORNL: Developing Q Approximate Optimization Algorithm Hudek, Yam, Ruffner: Trapped Ion QC Delgado, ORNL, Caltech, CERN: QC for HEP Pfister, U Virginia: Photonic Quantum Computing Zapata: Getting to Production in the Near-Term with QC	Seeqc OZOptics QAI C12 Q Electronics BoF: TQC Posters 12 NW15: ORNL NW16: SC-TECH C8: Boulder-Estes Park EX10: Yoga	QNC-3 Sharma, Keio U, Yeah, Oxford U: QIS for Early-Stage Learners Potocnik, imec: Low-power electronics - Superconducting QPs Feld, Delft UT: OpenQL Portable Programming Framework Herrman, ORNL: Developing Q Approximate Optimization Algorithm Hudek, Yam, Ruffner: Trapped Ion QC Delgado, ORNL, Caltech, CERN: QC for HEP Pfister, U Virginia: Photonic Quantum Computing IEEE Global Initiative in Ethics: Ethics in Quantum Computing	Sonika Johri, IonQ	Keynote Hangout	Thu Oct 21
	8:30-10:00	10:00-10:45	10:45-12:15	12:15-13:00	13:00-14:30	14:30-15:15	15:15-16:45	16:45-18:15	18:15-18:45	
Fri Oct 22	David J Dean, ORNL	AWS Braket Nu Quantum agnostiq Zapata Posters 13 Keynote Hangout EX11: Cardio HIT	QNC-4 McConkey, Minev, Bronn,IBM: Quantum Hardware Design & Analysis Thota, Weaver, IBM: Certified Qiskit Developer McCaskey, Heim, Cao, Zeng, Kaiser, Unitary Fund: Quantum IRs Bleiler, Portland St: Computation for Data Scientists Helmy, U Toronto: Quantum-Enhanced Optical Sensing Stick & Clark, Sandia: Performance of Engineered Trapped-Ion QC Almudever, TU Valencia: Scalability of QC Device Architecture National Quantum Initiative Roundtable	D-Wave Intel Keysight Qblox Pasqal Posters 14 NW17: Comm & Net NW18: NQI-NQISC C9: Mesa Verde EX12: 50s Rock&Roll	QAA-7 McConkey, Minev, Bronn,IBM: Quantum Hardware Design & Analysis Thota, Weaver, IBM: Certified Qiskit Developer McCaskey, Heim, Cao, Zeng, Kaiser, Unitary Fund: Quantum IRs Bleiler, Portland St: Computation for Data Scientists Helmy, U Toronto: Quantum-Enhanced Optical Sensing Stick & Clark, Sandia: Performance of Engineered Trapped-Ion QC Almudever, TU Valencia: Scalability of QC Device Architecture QED-C: Applications as Performance Benchmarks for QC	Honeywell Google Posters 15 NW19: QED-C NW20: QCE22 C10: Garden of the EX13: Dance Fitness	QCS-4 McConkey, Minev, Bronn,IBM: Quantum Hardware Design & Analysis Thota, Weaver, IBM: Certified Qiskit Developer McCaskey, Heim, Cao, Zeng, Kaiser, Unitary Fund: Quantum IRs Bleiler, Portland St: Computation for Data Scientists Helmy, U Toronto: Quantum-Enhanced Optical Sensing Stick & Clark, Sandia: Performance of Engineered Trapped-Ion QC Almudever, TU Valencia: Scalability of QC Device Architecture	Anthony E Megrant, Google Quantum AI	Keynote Hangout	Fri Oct 22