

IEEE Quantum Week 2025

The **IEEE International Conference on Quantum Computing and Engineering** (IEEE Quantum Week) will be held in Albuquerque, NM, from August 31 to September 5, 2025. This will be an in-person conference, with virtual participation available for those who are unable to travel <https://qce.quantum.ieee.org/2025/>.

After five highly successful Quantum Week events, **IEEE Quantum Week 2025** has finalized an exceptional program with over 80 exhibitors and sponsors featuring technologies from the entire quantum computing ecosystem (quantum companies, start-ups, national research labs, and academia). The program will include a Career Fair, a Student Mentorship program, an Entrepreneurship Start-Up Clinic, 9 prominent keynote speakers, 37 tutorials, 41 workshops, 69 workshop technical papers, 13 panels, 265 technical track papers, 148 posters, and 3 Birds-of-a-Feather sessions. In addition, the Quantum Science and Engineering Education Conference (QSEEC25) is also held in conjunction with Quantum Week, with workshops and tutorials on quantum topics tailored to K9-K12 students and University STEM programs.

A total of 49 student travel grants were awarded with funding from NSF (20), IEEE Quantum Technical Community (QTC) (20), and EPS (9). For the first time this year, as a Technical Co-Sponsor of the conference, EPS has graciously provided funding to students working on quantum computing hardware and architecture. The list of students, their schools, and research topics is shown:

- Ethan Hunt, Kennesaw State U.: Quantum machine learning
- Krystal Maughan, U. Vermont: Quantum error-correcting codes
- Dheeraj Tukugudam, Kennesaw State U.: Quantum machine learning
- Samira Sayedsal, UCI: Decoding quantum errors
- Nathan Jones, Clemson U.: Quantum circuit synthesis
- Mohammad Sohail, U. Michigan: Lossy quantum source coding
- Nitish Chandra, U. Pittsburg: Distributed quantum computing
- Saeefa Nowmi, UT El Paso: Quantum machine learning
- Zheming Zhang, RPI: Quantum computer control system engineering

Two awards have been launched this year by QTC: <https://quantum.ieee.org/conferences>.

- The IEEE QTC Early Career Award: Presented annually to a scientist or engineer in the early stages of their post-PhD career who has made contributions above and beyond those considered normal for a person at such an early stage.
- The IEEE QTC Distinguished Synergy Award: Presented annually to a Research Center, Institute, Consortium, or Partnership for outstanding contributions that stand as an exemplar in the international quantum computing community of an effective partnership between industry, government, and academia.

Come to IEEE Quantum Week 2025 to explore partnerships in industry, government, and academia, and network with like-minded peers in over twenty focus areas covering quantum engineering, hardware, software, hybrid computing, quantum AI, machine learning, benchmarks, optimization, sensing, and applications.

Luu Nguyen

IEEE Quantum Week Steering Committee

IEEE Quantum Technical Community – Outreach Chair

IEEE Future Directions Committee – EPS Representative