

Quantum Artificial Intelligence For Engineering Education

A hands-on workshop co-located at ACM TRUST 2027 Conference
March 8-9, 2027, George Mason University, Arlington Campus, VA

THE CHALLENGE

Quantum computers will soon break the encryption running today's engineering systems from factory-floor controllers to autonomous vehicles. The quantum workforce gap is projected to exceed 10,000 unfilled roles by 2026–27. Fewer than 5% of engineering departments offer any quantum content and most faculty were trained before it existed.

WHO SHOULD ATTEND

- Engineering and computing educators & researchers who are interested in quantum AI, trustworthy AI, or post-quantum cryptography for their courses;
- Participants from EPSCoR-jurisdiction institutions are strongly encouraged.

FEATURED SPEAKERS



Dr. Philip Feng

Rhines Endowed Professor in
Quantum Engineering
Associate Chair for Research
University of Florida



Dr. Jessica Rosenberg

Professor of Physics and Astronomy
Director of Education for the Quantum
Science and Engineering Center
George Mason University

WHAT YOU'LL DO

- Attend keynotes & panels with quantum and trustworthy AI experts
- Run hands-on labs: PQC key exchange, quantum-classical ML for sensor data
- Two pre-workshop webinars
- One post-workshop virtual gathering
- Pre- and post-workshop surveys

WHAT YOU WILL GET

- Co-design a ready-to-teach course module with peer feedback
- Leave with open-source materials and a 12-month faculty learning community
- Travel support and stipend provided

Register: <https://forms.gle/G8DJPoPxCbG7MBQW7>

ACM TRUST 2027 website: <https://eigtrust.acm.org/trust2027/>

