



# QUANTUMX

DECEMBER 2022

## NEWS



### **Professor Fu leads establishment of UW Graduate Certificate in Quantum Information Science and Engineering**

The UW Graduate Certificate in Quantum Information Science and Engineering provides students with an interdisciplinary experience that explores how this new field relates to other areas within science, technology, engineering and mathematics.



### **Q&A with Max Parsons, new director of Quantum Technology and Training Testbed (QT3)**

Get to know the lab's new director, Max Parsons.



## **UW Welcomes Five New Faculty Members in Quantum Information Science and Engineering (QISE)**

[Andrea Coladangelo](#) will be joining the Allen School of Computer Science & Engineering as an associate professor in January 2023. Coladangelo's research focuses on the theoretical foundations of quantum computation, with a focus on the interplay between quantum information, cryptography, and complexity theory.

[Serena Eley](#) will join UW Electrical & Computer Engineering in January 2023 as a tenure-track assistant professor. In the Eley Quantum Materials Group, she researches the role of disorder on electronic and magnetic properties of quantum materials and devices.

[Juan Carlos Idrobo](#) joined UW Materials Science & Engineering as an associate professor in March 2022. His research consists of applying analytical techniques in electron spectroscopy within monochromated and aberration-corrected scanning transmission electron microscopy to study the structure, electronic, magnetic, thermal, optical and topological properties of materials.

[Sara Mouradian](#) joined UW Electrical & Computer Engineering as an assistant professor in March 2022. Her research interests include engineering control infrastructure for large trapped-ion quantum systems without degrading the quantum memory storage time.

[Rahul Trivedi](#) joined UW Electrical & Computer Engineering as an assistant professor in September 2022. His current research focuses on understanding the limitations of near-term quantum computers and simulators, as well as using them to aid simulation and design of next-generation quantum devices.

### **Accelerating Quantum-Enabled Technologies (AQET) Autumn 2022 Update**



Get an update on AQET, UW's research traineeship in quantum information science and engineering (QISE).

### **AQET Trainees Get Hands-On Experience with Microsoft Azure**



AQET's transformational new course, Implementations in Quantum Information, is highlighted in Microsoft's blog, showing benefits of getting hands-on with quantum hardware in a classroom setting.

## UPCOMING EVENTS & OPPORTUNITIES

January 20, 2023 | [Northwest Quantum Nexus Winter Hackathon](#)

January 23-24, 2023 | [Northwest Quantum Nexus Summit](#)

The NQN is a coalition led by the U.S. Department of Energy's Pacific Northwest National Laboratory, Microsoft Quantum, IonQ, Washington State University, the University of Oregon, and the University of Washington. The summit will feature marquee speakers; technical, business, and joined tracks; networking opportunities; an interactive poster session; and the opportunity for undergraduate, graduate, and general STEM communities to participate in the NQN Winter 2023 Hackathon starting January 20, 2023

February 27, 2023 | [Winter quarter QuantumX Poster Session and Networking](#)

Students can engage with the QuantumX community by sharing a poster of their own, or attend and learn from other posters about the research occurring at UW. Click the link above to learn more and RSVP.

### **[Student Travel Grants](#)**

This program provides travel awards to young scientists conducting research in areas related to quantum information science and engineering (QISE) to present their work at conferences

Check out the QuantumX website for more [jobs & opportunities](#).

Email QuantumX Program Manager Madeline Miller, [madmill1@uw.edu](mailto:madmill1@uw.edu), to be added to the QuantumX Slack Workspace or mailing listserv. Additionally, please contact Madeline if you are interested in having your research highlighted in future editions of the QuantumX newsletter.

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