



QUANTUMX

Fall 2023

What's new in Quantum



[Why quantum matters](#)

UW scientists and engineers share their thoughts on the potential of quantum research and why it's so important now.

A few highlights



[AQET Fellow Q&A with I-Tung Chen: Exploring Quantum Engineering](#)

I-Tung Chen is a Ph.D. student in electrical & computer engineering where he works in the Laboratory of Photonic Systems and is an Accelerating Quantum Engineering and Technology (AQET) Fellow in QuantumX. We asked him about his research, AQET and what he does for fun.



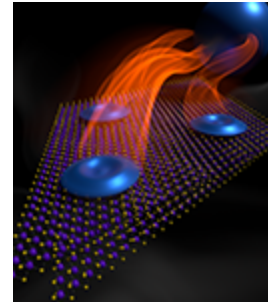
[AQET students host first UW Public Lecture in Quantum Science and Engineering](#)



[Engineering undergraduate students share their summer research experiences](#)



[Sara Mouradian — building quantum technologies for computing, communication and sensing](#)



[Researchers make a quantum computing leap with a magnetic twist](#)

Congratulations!



[2023 Brown Investigator Award](#)

Associate Professor Mark Rudner is the 2023 recipient of a Brown Investigator Award from the Brown Science Foundation.



[Stefan Stoll awarded 2023 Bruker Prize](#)

Professor Stefan Stoll has been awarded the 2023 Bruker Prize and will present the 38th Bruker Prize Lecture this year.



[John Cenker wins 2023 CEI student award](#)

UW graduate student John Cenker has been recognized with a Clean Energy Scientific Achievement Award.

In the news

[Accelerating a quantum future](#)

UW College of Engineering

[University of Washington team detects atomic 'breathing' for quantum computing breakthrough](#)

Geekwire

[MEM-C: Moonshots & Island Voyages](#)

UW Department of Chemistry

Some recent publications

[Realizing tight-binding Hamiltonians using site-controlled coupled cavity arrays](#)

Nature Communications

[Observation of fractionally quantized anomalous Hall effect](#)

Nature

[Mixed-dimensional moiré systems of twisted graphitic thin films](#)

Nature

[Scalable Circuits for Preparing Ground States on Digital Quantum Computers: The Schwinger Model Vacuum on 100 Qubits](#)

ArXiv.org

[Design Rules for Obtaining Narrow Luminescence from Semiconductors Made in Solution](#)

ACS Publications

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