

SUMMER 2026

QUANTUMX



QISE Capstone wraps up fourth successful year

Student teams within Quantum Information Practicum (EE522) tackled projects proposed by industry and national lab partners. They presented their results at the UW ECE Engine Capstone Poster Session in June.



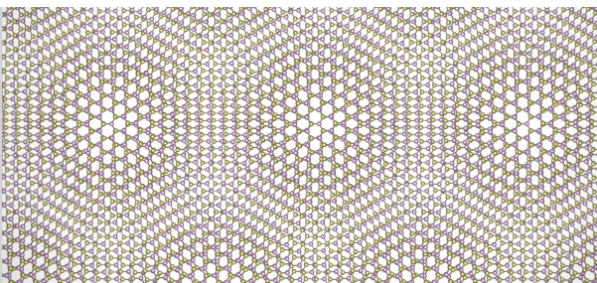
UW hosts Quantum Hackathon in partnership with IBM Quantum

The 2026 Quantum Hackathon brought together students, researchers and staff from across the campus community for hands-on exploration in quantum computing.

NSF-supported AQET Research Traineeship concludes final year

Since 2023, the Accelerating Quantum-Enabled Technologies (AQET) program trained more than 50 PhD students from diverse academic backgrounds to work on the complex challenges of quantum-enabled technologies.





AI and quantum computing accelerate materials development at UW

New computing techniques — including AI and quantum computing — are enabling UW researchers to design unique and complex quantum materials.

RESEARCH HIGHLIGHTS

The Power of Two Bases: Robust and Copy-Optimal Certification of Nearly All Quantum States with Few-Qubit Measurements

Andrea Coladangelo, Jerry Li, Joseph Slote, Ellen Wu

ACM Digital Library

Composite Fermion Theory of Fractional Chern Insulator Stability

Xiaodong Hu, Ying Ran, and Di Xiao

APS Journal

Spin-deflection coupling in carbon nanotubes

Mark S. Rudner

APS Journal

Signatures of fractional charges via anyon-trions in twisted MoTe₂

Weijie Li, Christiano Wang Beach, Chaowei Hu, Takashi Taniguchi, Kenji Watanabe, Jiun-Haw Chu, Ataç Imamoğlu, Ting Cao, Di Xiao & Xiaodong Xu

Nature

Excitonic Instability Revealed by the Elastocaloric Effect in T a₂ N i S e₅

Elliott Rosenberg, Joss Ayres-Sims¹, Andrew Millis, David Cobden, and Jiun-Haw Chu

Nature Physics

Superconductivity from dual-surface carriers in rhombohedral graphene

Manish Kumar, Derek Waleffe, Anna Okounkova, Raveel Tejani, Võ Tiễn Phong, Kenji Watanabe, Takashi Taniguchi, Cyprian Lewandowski, Joshua Folk & Matthew Yankowitz

Nature Physics

Layerwise stratification and band reordering in twisted multilayer MoTe₂

Yueyao Fan, Xiao-Wei Zhang, Yusen Ye, and Ting Cao

PNAS

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