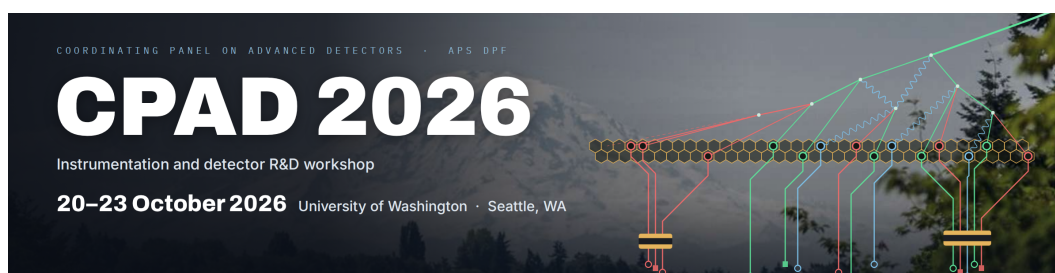


Session Program

20-23 Oct 2026



CPAD 2026 at Seattle

RDC 8 Quantum & Superconducting Sensors

University of Washington
Alder Hall, 1315 NE Campus Pkwy, Seattle, WA 98105

Wednesday 21 October

14:00

RDC 8 Quantum & Superconducting Sensors

Session | **Location:** Alder Hall, Auditorium**14:00–14:15 Superconducting Non-Foster Networks for Axion Detection****Speaker**

Pamela Stark

14:15–14:30 ADMX Overview and Run Status**Speaker**

On Kim

14:30–14:45**Quantum-Limited Amplifiers for Axion Dark Matter Detection with ADMX****Speaker**

Kieran Enzian

14:45–15:00**Development of Optical Quantum Sensors for Ultralight Axion Dark Matter Detection****Speaker**

Young Jin Kim

15:00–15:15**The CAL-Pathfinder Axion Detector****Speaker**

Shreya Puranam

15:15–15:30**Levitated Xenon Sensors for Precision Measurements****Speaker**

Siddhant Mehrotra

15:30–15:45**QuIPS: Quantum Optomechanics Meets Particle Detection****Speaker**

Daniel Kodroff

15:45–16:00**Cosmology with Millimeter-Wave On-Chip Spectrometers: SPT-SLIM and the Path to Large-Format Focal Planes****Speaker**

Kirit Karkare

16:00

16:30

RDC 8 Quantum & Superconducting Sensors

Session | **Location:** Alder Hall, Auditorium**16:30–16:45 Investigating phonon response in qubit-based SQUAT sensors****Speaker**

Riley Carpenter

16:45-17:00

G4CMP Modeling of Athermal Phonon Transport in Quantum-Acoustic Detectors**Speaker**

Mr Ziyu Cai

17:00-17:15

First On-Beam Commissioning of SALER: STJ-Based Recoil Spectroscopy at FRIB**Speaker**

Glenn Richardson

17:15-17:30

Scaling the sub-eV frontier: Microwave multiplexing for athermal phonon TESs**Speaker**

John Groh

17:30-17:45

Progress on the Calibration of Quantum Parity Detectors for meV Energy Depositions.**Speaker**

Brandon Sandoval

17:45-18:00

Fabrication Development and Results for SPT-SLIM, an On-Chip Superconducting Spectrometer for Line-Intensity Mapping**Speaker**

Thomas Cecil

18:00-18:15

Development of Remote Magnetic Phonon Sensing for Rare Event Detection**Speaker**

Geon-Bo Kim

18:15-18:30

Learning Across Qubit Domains: Machine Learning Techniques for Superconducting Qubits**Speaker**

Jehu Martinez

18:30