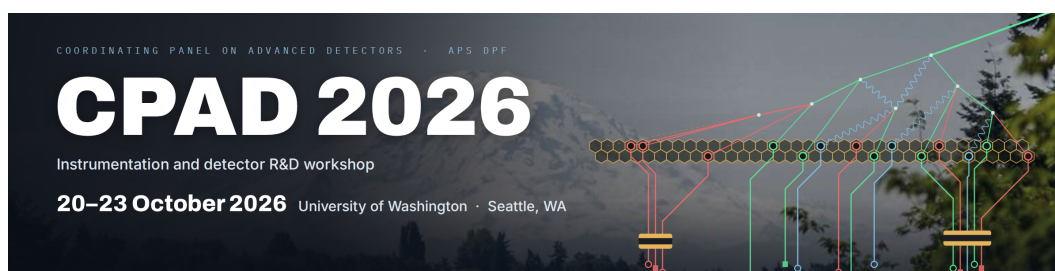


Session Program

20-23 Oct 2026



CPAD 2026 at Seattle

Reception and Poster Session

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

Tuesday 20 October

18:30

Reception and Poster Session

Session | **Location:** University of Washington, Alder Hall, 1315 NE Campus Pkwy, Seattle, WA 98105

18:30–18:35

VDD-Agnostic Die-to-Die Interface for Chiplet Based Detectors on a Passive Interposer

Speaker

Nicholas St. John

18:30–18:35

Simulation of 4D Fabric: a NIFTY-fied Pixel ROC

Speaker

Caleb Ceravolo

18:35–18:40

The Project 8 Cavity CRES Apparatus: A Low-Background Resonant-Cavity Detector for Precision Electron Spectroscopy

Speaker

Ali Kurmus

18:35–18:40

Ultra-Fast 4H-SiC LGADs for 4D Tracking

Speaker

Tao Yang

18:40–18:45

Open Source AI-Assisted Analog Design for Room Temperature and Cryogenic Detector Electronics

Speaker

ASHISH RIMAL

18:40–18:45

Methods for Pulse Analysis and Data Cleaning with the BeEST Phase-III Heavy Neutrino Search

Speaker

David Raji

18:45–18:50

Quantized WaveNet Inference for Real-Time Axion Dark Matter Detection on FPGAs

Speaker

Akbota Assan

18:45–18:50

Pulsed Power-over-Fiber for Low-Noise Cryogenic Electronics and Quantum Sensors

Speaker

Dr Evan Van de Wall

18:50-18:55

Keeping GPU Tracking-as-a-Service in Sync with Athena Through Shared Memory**Speaker**

Owen Huang

18:50-18:55

Charge Readout Planes development and status for DUNE Vertical Drift Detector**Speaker**

Niccolo' Gallice

18:55-19:00

Complete Ion Screening Amplification Structure**Speaker**

James Harrison

18:55-19:00

A NIFTY Simulation of the LArPix Readout Architecture**Speaker**

Deion Elgin Fellers

19:00-19:05

Quantum sensing with novel f-electron based materials**Speaker**

Filip Ronning

19:00-19:05

Learning MOSFET Models from I-V Data: A Neural Surrogate Approach Validated on the Open SKY130 Process**Speaker**

Nishan Niraula

19:05-19:10

FEB2 Analog Performance for the ATLAS LAr Calorimeter: Bridging Performance to Design**Speaker**

Rui Xu

19:05-19:10

Open-Source Waveform-Sampling ASIC Development: Design and Prototype Implementation in GF180MCU**Speaker**

Vikas Kumar

19:10-19:15

Diagnostic tools for a cold atomic tritium beam for Project 8 cyclotron radiation emission spectroscopy (CRES) neutrino mass measurements**Speaker**

Meg Wynne

19:10-19:15

In-Situ Cryogenic Magnetometry With Helium-3 NMR For Neutrino Mass Measurements**Speaker**

Paul Kolbeck

19:15-19:20

SpikePID: Neuromorphic Cluster Counting in Future Drift Chambers

Speaker

Ho Fung Tsoi

19:15–19:20

Design of Lamina-based Microchannel Plate Gamma-ray Detectors Incorporating Surface Direct Conversion

Speaker

John Shelton

20:00