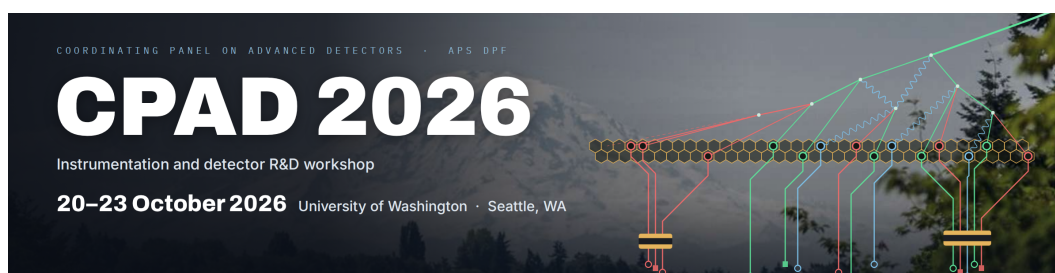


Session Program

20-23 Oct 2026



CPAD 2026 at Seattle

RDC 4 Readout & ASICs

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

Thursday 22 October

14:00

RDC 4 Readout & ASICs

Session | **Location:** Alder Hall, Auditorium | **Conveners:** Paul Keener, Lorenzo Rota

14:00–14:20

The Analog Photon Processor ASIC

Speaker

Adrian Nikolica

14:20–14:40

Final validation of the ETROC2 for the CMS MTD Endcap Timing Layer (ETL) upgrade

Speaker

Jongho Lee

14:40–15:00

An Open-Source Waveform Digitizer ASIC

Speakers

Keisuke Yoshihara, Vikas Kumar

15:00–15:20

Development and Characterization of Power-Management ASICs for the ePIC Silicon Vertex Tracker

Speaker

Shirsendu Nanda

15:20–15:40

SMuRF and SPECTRA: scalable readout for superconducting sensors from the CMB to rare-event searches

Speaker

Zeeshan Ahmed

15:40–16:00

On-detector ML for Real-Time Waveform Processing: Applications to Dual-Readout Calorimetry and Drift Chambers

Speaker

Qibin Liu

16:00

16:30

RDC 4 Readout & ASICs

Session | **Location:** Alder Hall, Auditorium | **Conveners:** Adrian Nikolica, Lorenzo Rota

16:30–16:50

Cryogenic Front-End ASICs in 65 nm CMOS for Low-Noise Readout of Charge or Light Signals in Noble Liquid Detectors

Speaker

Prashansa Mukim

16:50–17:10

GAMPix: Grid-Activated, Power-Pulsed Pixel Readout for Noble-Element TPCs - First ASIC Results

Speaker

Bahrudin Trbalic

17:10–17:30

A Cryogenic Charge Imager for Continuous Operation in Liquid Noble Gases**Speaker**

Peng Miao

17:30–17:50

LArPix and Related Developments in Scalable Electronics for Noble Liquid Detectors**Speaker**

Daniel Andrew Dwyer

17:50–18:10

Network Intelligence for Fault Tolerance is NIFTY**Speaker**

Dr Rebecca Carney

18:10–18:30

Towards a Multi-Kiloton Pixelated Liquid Argon Time Projection Chamber**Speaker**

Roger Guo Huang

18:30