Session Program

May 19 – 21, 2025

ML4FE Workshop, University of Hawaii

Technology

Mon, May 19

8:30 AM

Technology
Session | **Location:** | **Convener:** Keisuke Yoshihara

08:30 – 09:00 **Overview of challenges and goals**

Speaker
Ryan Herbst

09:00 – 09:20 **ASICs**

Speaker
Christian Herwig

09:20 – 09:40 **Heterogeneous computing/TDAQ & hls4ml**

Speaker
Javier Duarte

9:40 AM

10:40 AM

Technology
Session | **Location:** | **Convener:** Jennifer Ott

10:40 – 11:00 **Photonics**

Speaker
Sajjad Moazeni

11:00 – 11:20 **Mixed-Signal Interfaces and Compute Fabrics for tinyML Systems**

Speaker
Boris Murmann

11:20 – 11:40

Front-end Waveform Readout Electronics and Data Acquisition to enable AI Edge Computing

Speaker
Luca Macchiarulo

11:40 – 11:55 **Discussion/Overflow**

11:55 AM