



# CERN openlab Technical Workshop

## Wednesday, January 22, 2020

**Computing Architectures for ML, Data Acquisition and Processing: Part 1 - 503/1-001 - Council Chamber (10:30 AM - 12:40 PM)**

time	[id] title	presenter
10:30 AM	[1] FPGA-based Machine Learning Inference for CMS with the Micron Deep Learning Accelerator	JAMES, Thomas Owen
10:45 AM	[2] Prototyping of a DL-based Particle Identification System for the DUNE Neutrino Detector	RODRIGUEZ ALONSO, Manuel Jesus
11:00 AM	[3] Partner talk: Micron DLA	VITEZ, Marko
11:25 AM	[4] Data Analytics and IoT for Industrial Control Systems	SIROKY, Filip
11:40 AM	[33] WinCC Open Architecture Next Generation Archiver (NGA)	HENNESSEY, Anthony
11:55 AM	[5] Fast deep neural network inference on FPGAs	SUMMERS, Sioni Paris
12:10 PM	[7] Neuromorphic Computing	Dr VLIMANT, Jean-Roch
12:25 PM	[43] Fast Simulation with GANs	VALLECORSIA, Sofia

# Thursday, January 23, 2020

## Computing Architectures for ML, Data Acquisition and Processing: Part 3 - 503/1-001 - Council Chamber (9:00 AM - 10:30 AM)

time	[id] title	presenter
9:00 AM	[16] Partner talk: Intel OneAPI	PEREZ, Francisco
9:25 AM	[31] GPU Usage Status & Plans in ATLAS	KRASZNAHORKAY, Attila
9:40 AM	[41] First experience of CMS reconstruction with OneAPI	BOCCI, Andrea
9:50 AM	[15] DAQDB: a key-value store for data acquisition	LEHMANN MIOTTO, Giovanna
10:05 AM	[14] Deep Learning for de-noising DUNE data on Power	VALLECORSA, Sofia
10:15 AM	[32] LHCb Machine Learning Challenges	USTYUZHANIN, Andrey