

Session Program

4-6 Mar 2025

2025 CERN openlab Technical Workshop ***Heterogeneous Computing, Platforms and*** ***HPC***

CERN, 503/1-001 - Council Chamber

Wednesday 5 March

10:45

Heterogeneous Computing, Platforms and HPC

Session | **Location:** CERN, 503/1-001 - Council Chamber

10:45–11:00

Real-time Data Processing for Level 1 Trigger Scouting at CMS using a CXL Memory-lake Architecture

Speaker

Thomas Owen James

11:00–11:30

Micron CXL and SSD Solutions

Speaker

Luis Ancajas

11:30–11:45

The Openlab Heterogeneous Architectures Testbed (HAT) Project

Speaker

Luca Atzori

11:45–12:05

Intel Solutions on AI and HPC Convergence

Speaker

Jean Laurent Philippe

12:05–12:50

Lunch break

12:50–13:10

Evaluating HPC Architectures for Scientific Computing: Performance, Scalability, and Energy Efficiency

Speaker

Elisabetta Boella

13:10–13:25

Benchmarking and Energy Studies with HEPsScore

13:25–13:40

Next Generation Archiver for WinCC OA

Speaker

Rafal Kulaga

13:40–13:55

Data Analytics for Industrial Control Systems

Speaker

Abhit Patil

13:55–14:15

SIEMENS talk

14:15–14:25

Integration of Oracle Cloud Resources into CERN IT Business Continuity & Disaster Recovery

Speaker

Miroslav Potocky

14:25-14:35

Cost Optimization and Sustainability for Public Cloud Provider

Speaker

Ricardo Rocha

14:35-15:05

Coffee Break and Poster Session

15:05-15:20

Kubernetes and Oracle: What Happened in 2024 and What's Next?

Speakers

Antonio Nappi, Miroslav Potocky

15:20-15:35

ORACLE Technologies

Speaker

Dr Cris Pedregal-Martin

15:35