

**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 HEPScore

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