

Session Program

1-4 Dec 2025

**14th MicroTCA Workshop for Industry and
Research**

Tutorials

Tuesday 2 December

09:00

Tutorials: Advanced Tutorial: Hardware Development in MicroTCA Session

09:00–10:00 **Hardware Design in MicroTCA**

Speaker
Behzad Boghrati

10:00–10:30 **EMI consideration for precision analogue electronics in MicroTCA**

Speaker
Frank Ludwig

10:30

09:00

Tutorials: Basic Tutorial Session

09:00–09:05 **Introduction**

Speaker
Kay Rehlich

09:05–09:35 **The Basics**

Speaker
Ralf Waldt

09:35–10:05 **MicroTCA Management**

Speaker
Heiko Koerte

10:05–10:30 **Communication links, clocks and triggers**

Speaker
Kay Rehlich

10:30

11:00

Tutorials: Advanced Tutorial: Firmware and Software Frameworks, FWK and ChimeraTK Session

11:00–11:45 **FWK Firmware Framework**

Speakers
Cagil Guemues, Gianmarco Ricci

11:45–12:30 **Rapid hardware integration with the ChimeraTK software framework**

Speaker
Dr Martin Christoph Hierholzer

12:30

11:00

Tutorials: Timing session Session

11:00–11:30 **The MRF Timing System**

12:30

Speaker

Jukka Pietarinen

11:30–12:00

The White Rabbit based Timing System

Speaker

Dietrich Beck

12:00–12:30

The DESY x2 and x3 Timing Systems

Speaker

Victor Andrei