

SATELLITE WORKSHOP - Photon Science

MicroTCA Workshop



Thursday, 24 January 2019, seminar room 4a, bldg.1, DESY

This meeting introduces new users to the electronics standard **MicroTCA**, which has been established as a technology of choice for accelerator control and beam diagnostics in many facilities around the world.

MicroTCA based systems can also be used for the control of photon beamlines and for fast data acquisition systems. In this workshop we will introduce the general concept of MicroTCA and show its advantages over existing systems.

We will present several boards and their use cases, run live demonstrations and highlight first applications in photon science.

Organizers: MicroTCA technology Lab, Martin Tolkiehn

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PROGRAMME

14:00	Cagil Gümüs	MicroTCA Technology Lab	Welcome and Introduction to the MicroTCA Technology Lab
14.15	Vollrath Dirksen	N.A.T. GmbH	Introduction to MTCA
15:15	Paolo Scarbolo	CAEN ELS	Photon Beam Monitoring in MTCA.4 and Applications
15:35	Fini Jastrow	DESY	MTCA at FLASH

15:50 Coffee break (30 Min.)

16:20	Aaron Gornott	MicroTCA Technology Lab	Camera Read-out with MicroTCA
16:35	Kay Rehlich	DESY	Timing in MTCA
16:50	Jan Marjanovic	MicroTCA Technology Lab	Digital and analog I/O solutions in MicroTCA
17:05	Laurent Weber	Teledyne SP Devices	Latest MTCA High-Performance Digitizer Technology
17:20	Martin Killenberg	DESY	ChimeraTK -- A software tool kit for hardware access and control application development

17:35 Coffee break (15 Min.)

17:50	Jan Timm	DESY	DAQ System for energy dispersive detectors
18:05	Martin Tolkiehn	DESY	Plans for a new motor controller in MTCA
18:20	Martin Tolkiehn	DESY	Discussion on future developments

19:00 End of the workshop