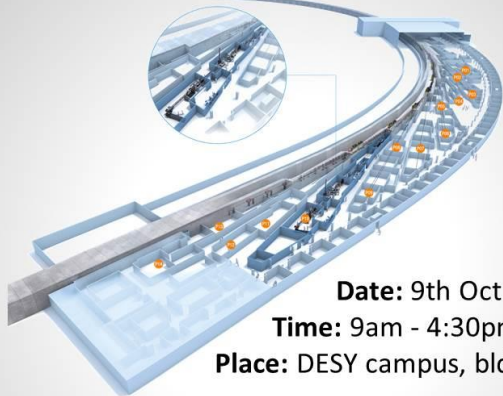


# Welcome

Thomas Walter  
09.10.2018

Workshop for Beamline Scientists and Engineers

## Workshop for Beamline Scientists and Engineers



**Date:** 9th Oct 2018

**Time:** 9am - 4:30pm

**Place:** DESY campus, bldg. 3

**Part 1:** Beamline Electronic Instrumentation by CAEN ELS

**Part 2:** MicroTCA for Beamlines by DESY - MicroTCA Technology Lab

Registration: <https://indico.desy.de/indico/e/BeamlineWorkshop>



- 09:00 Opening Hour
- 10:00 Welcome Thomas Walter (DESY MicroTCA Lab)
- 10:10 Short History of the CAEN Group and CAEN ELS
- 10:25 History and Evolution of the CAEN ELS picoammeters for photon BPMs
- 10:40 Charge-Integration picoammeters AH401D and TetrAMM-CI
- 10:50 Standard picoammeters AH501D and TetrAMM
- 11:05 Coffee Break
- 11:30 Worldwide Applications of the CAEN ELS picoammeters
- 11:40 Applications for CAEN ELS picoammeters at DESY/PETRA III Beamlines
- 11:55 BEST - Beamline Enhanced Stabilization Technology and encoder integration
- 12:15 CAEN ELS picoammeters for MicroTCA
- 12:30 Lunch Break

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- 13:30 What is MicroTCA? Short Introduction to the technology and the lab - Thomas Walter
- 13:45 Possible Applications for MicroTCA in Photon Science Martin Tolkiehn
- 14:00 High-speed digitizing in MTCA with the DS800 board Johannes Zink
- 14:15 Motor driving in MTCA - Christoph Kampmeyer
- 14:30 The Piezo driver board PZT4 - Konrad Przygoda
- 14:45 Camera read-out with MicroTCA (incl. live demo) Sven Stubbe
- 15:00 Coffee Break
- 15:30 Digital and analog I/O solutions in MTCA - Jan Marjanovic
- 15:45 Timing and Synchronization in MicroTCA - Kay Rehlich
- 16:00 DAQ System for energy dispersive detectors - Jan Timm
- 16:15 Upcoming projects - Thomas Walter

Open Lab

**7th MicroTCA Workshop**  
for Industry & Research

**5 – 6 Dec 2018**  
CFEL, DESY, Hamburg

**Main topics 5-6 Dec:**

- Application in industry
- Application in research
- New products
- Interoperability
- Software
- Industrial Exhibition

**Pre-Workshops 4 Dec:**

- Integration workshop
- Tutorials on a wide range of topics
- Up-to-date information on courses and schedule can be found on the workshop website

**Advisory Committee**

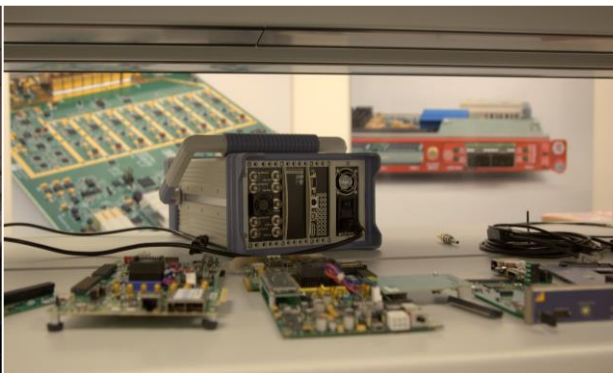
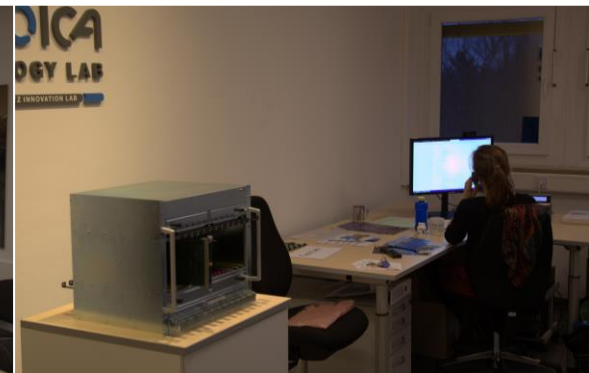
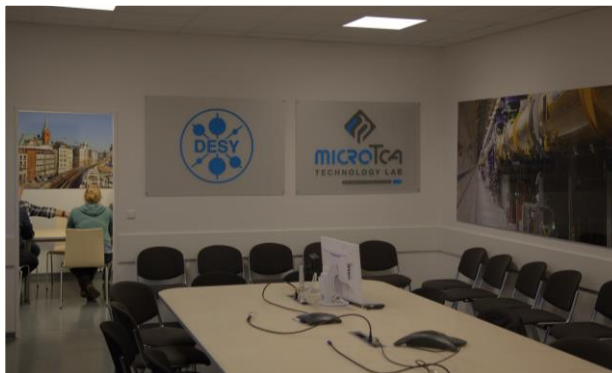
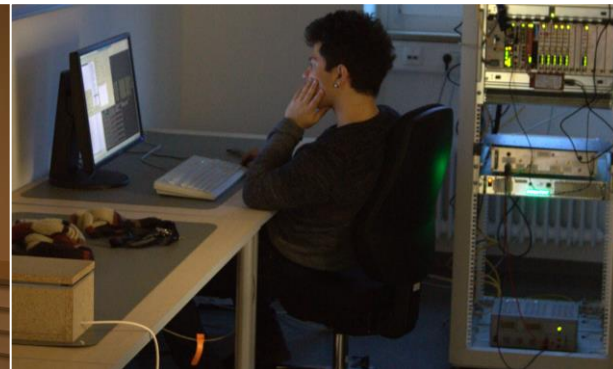
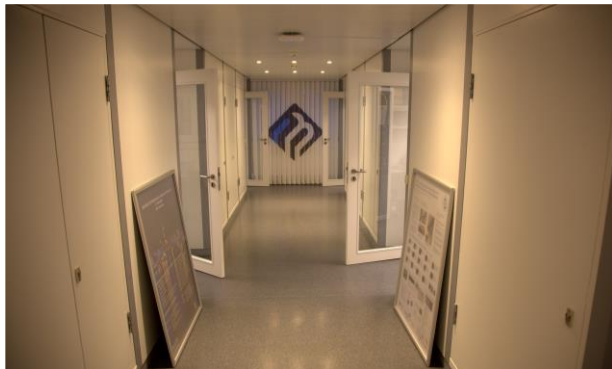
Vollrath Dirksen (N.A.T.), Thomas Holzapfel (PowerBridge), Tobias Hoffmann (GS), Hironori Horinouchi (EMBECK), Matthias Kiratz (Struck GmbH), Ray Larsen (SLAC), Dietmar Mann (InVent), Kay Röhlich (DESY), Holger Schlarb (DESY), Axel Winter (MP Plasmaphysik)

Information & Registration: <http://mtcaws.desy.de>

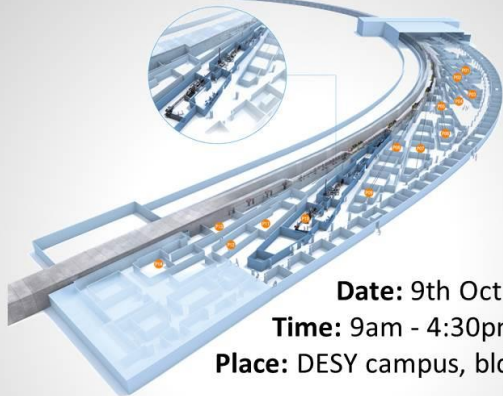


<http://mtcaws.desy.de/>

<https://techlab.desy.de/services/training/>



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