

Exhibitor Presentation

A Guide for the Virtual Exhibition

Kay Rehlich, DESY

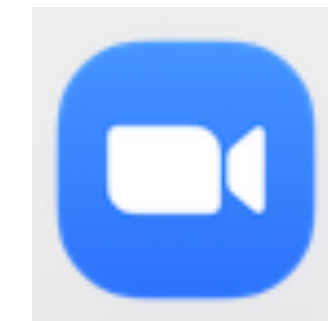
1. Dec. 2020

Using MicroTCA Means Using Products

Experience with other workshops / conferences shows that the exhibitions are not very well visible.

This MicroTCA Workshop tries a new approach:

Every booth / exhibitor has its own **Zoom room**:



Links are available on

https://mtcaws.desy.de/virtual_industrial_exhibition/

“Office hours” are also available

It is possible to create break-out rooms for private conversations

One **Coffee break** is dedicated for each exhibitor

Links will be available in the Chat of Zoom


9 exhibitors are registered —> please visit them

Home Registration Contributions Programme Virtual Industrial Exhibition Past Workshops

Virtual Industrial Exhibition


Welcome to the virtual industrial exhibition stand!

The virtual exhibition will take place during the workshop from 1-3 December 2020 via ZOOM.
Desy will provide every exhibitor with a link to their individual exhibition room.



Exhibitors 2020

[A Guide for the Virtual Exhibition](#)




BEVATECH [Click here to enter the Booth >](#)

Opening hours of virtual booth:

Tuesday	Wednesday	Thursday
14:00-16:00	14:00-16:00	15:00-17:00


Contact person: [Dirk Strehl](#), [Holger Höltermann](#)



CAEN ELS [Click here to enter the Booth >](#)

Opening hours of virtual booth: **13:00 - 18:00**


Contact person: [Dr. Paolo Scarbolo](#)



IOxOS Technologies [Click here to enter the Booth >](#)

Opening hours of virtual booth: **14:00 to 17:30**

Contact person: [Iván García](#)



MicroTCA Technology Lab [Click here to enter the Booth >](#)

Opening hours of virtual booth:

Exhibition Day 1

Tuesday 1.12.2020

	Start	Title	nVent	Bevatech	N.A.T	TechLab	CAENels	powerBridge	IOxOS	SP Devices
	12:30				12:30...13:00					10:00...11:00
	13:00	Session 1		14:00...			13:00...			
	14:30	Coffee 30 min + Tutorial							14:00 ...	
	15:00	Session 2		...16:00				15:00...		
	16:15	Coffee 30min + Exhibition nVent + Tutorial								
	16:45	Session 3					...18:00	...17:00	... 17:30	17:30...
	18:05	Coffee				18:00...				...18:30
	18:15	Q&A of sessions 1...3 of this day				...19:00				

Exhibition Day 2

Wednesday 2.12.2020

	Start	Title	nVent	Bevatech	N.A.T	TechLab	CAENels	powerBridge	IOxOS	SP Devices
	11:30	Q&A of sessions 1...3 of first day			11:00 ...	11:00...12:00				10:00...11:00
	12:30	Coffee + Exhibition N.A.T			... 13:00					
	13:00	Session 4		14:00...			13:00...		14:00 ...	
	14:20	Coffee 30min + Exhibition TechLab								
	14:50	Session 5		...16:00				15:00 ...		
	16:05	Coffee 30min + Exhibition CAENels								
	16:35	Session 6					...18:00	... 17:00		
	17:55	Coffee				17:55...			... 17:30	
	18:10	Q&A of sessions 4...6 of this day				...19:00				

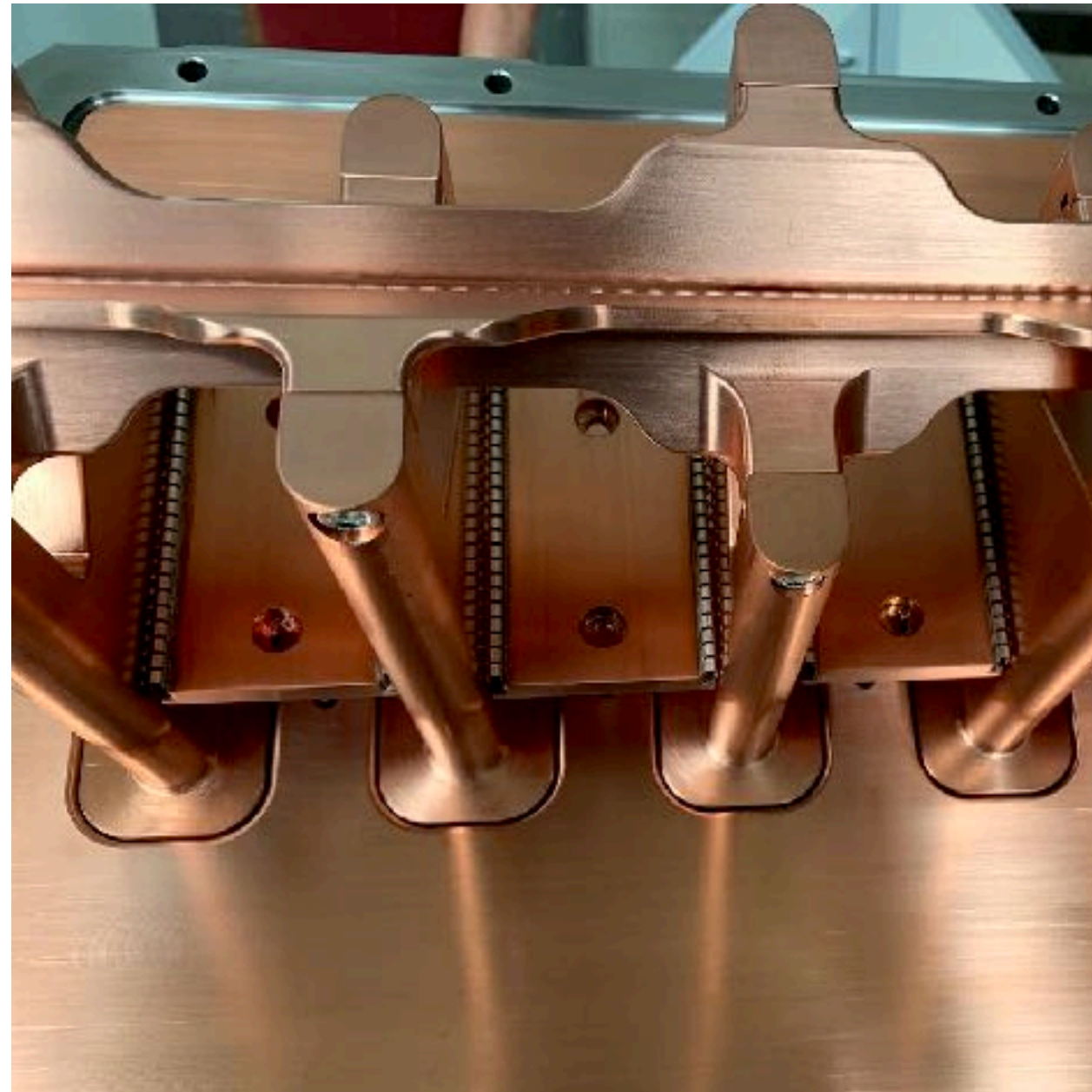
Exhibition Day 3

Thursday 3.12.2020

	Start	Title	nVent	Bevatech	N.A.T	TechLab	CAENels	powerBridge	IOxOS	SP Devices
	11:30	Q&A of sessions 4...6 of second day			11:00...11:30	11:00...12:00				10:00...11:00
	12:30	Coffee + Exhibition powerBridge								
	13:00	Session 7					13:00 ...		14:00 ...	
	14:15	Coffee + Exhibition IOxOS								
	14:45	Session 8		15:00...				15:00 ...		
	16:00	Coffee + Exhibition Teledyne SP Devices								
	16:30	Session 9		...17:00				... 17:00		
	17:45	Coffee, End				17:45...	... 18:00		... 17:30	
	18:00	Q&A of sessions 7...9 of this day				...18:30				

Bevatech

ACCELERATORS & VACUUM



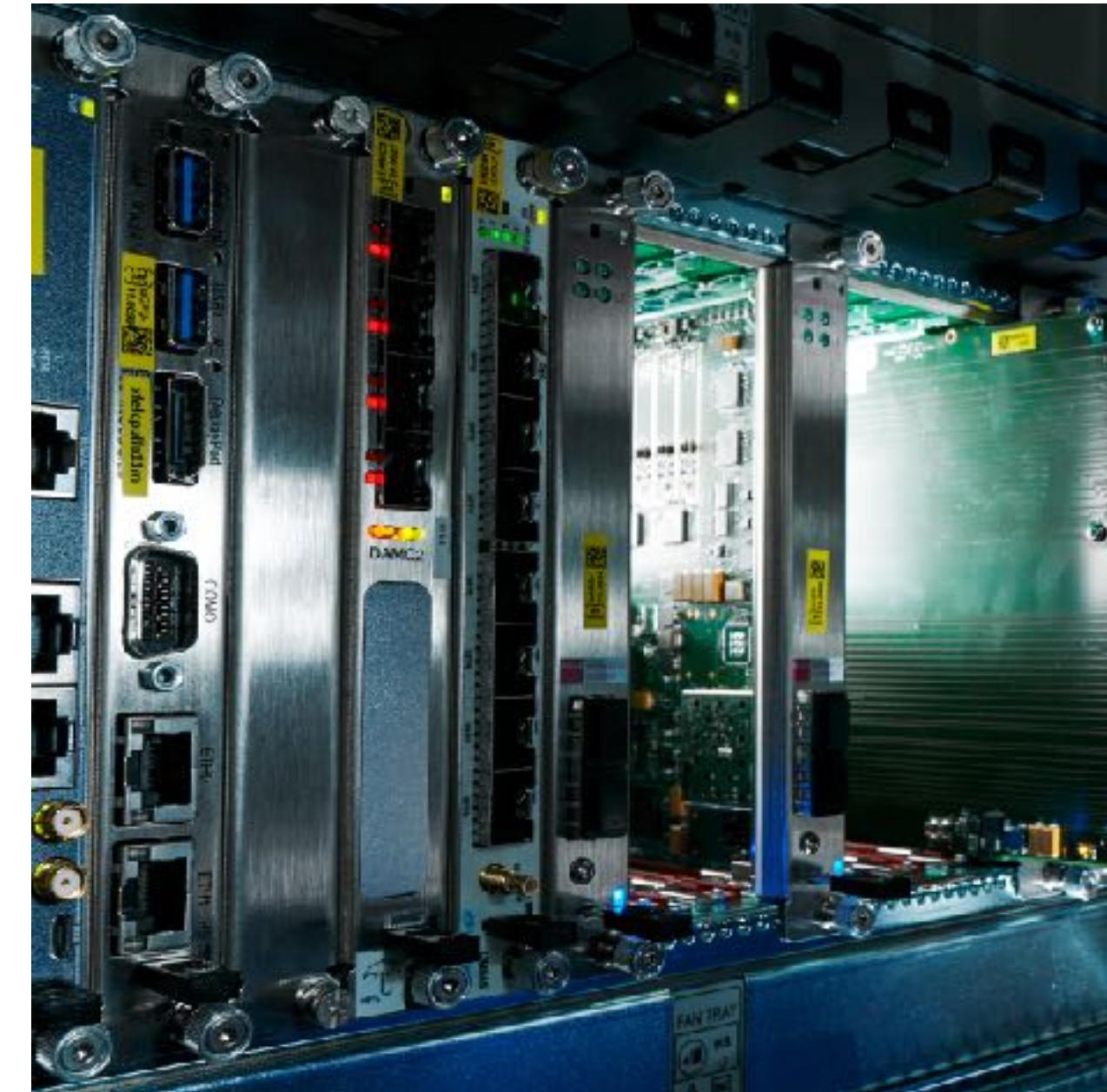
- Complete LINAC Systems
- RF Cavities
- Beam Diagnostic
- Vacuum Technology
- Tumor Therapy

ENGINEERING & CONSULTING



- Beam Lines
- Vacuum
- Design Studies
- RF Research
- Outsourcing

ELECTRONIC & IT



- Micro TCA
- Automation
- Instrumentation & Controls
- Project Management

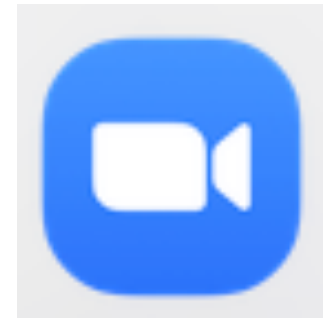
Bevatech



<https://bevatech.com>



Holger Höltermann, Dirk Strehl



<https://desy.zoom.us/j/99707464015>

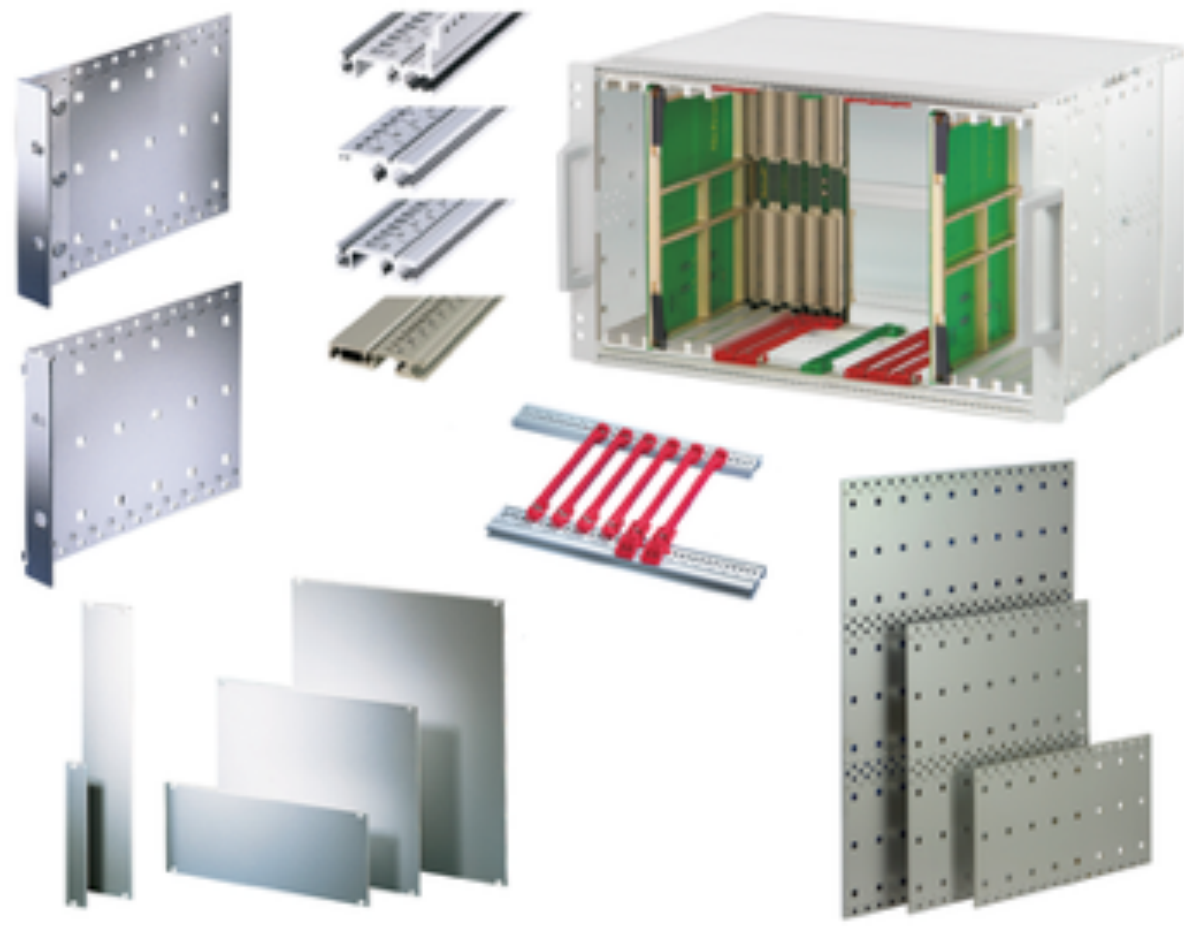


Tu: 14:00...16:00

We: 14:00...16:00

Th: 15:00...17:00

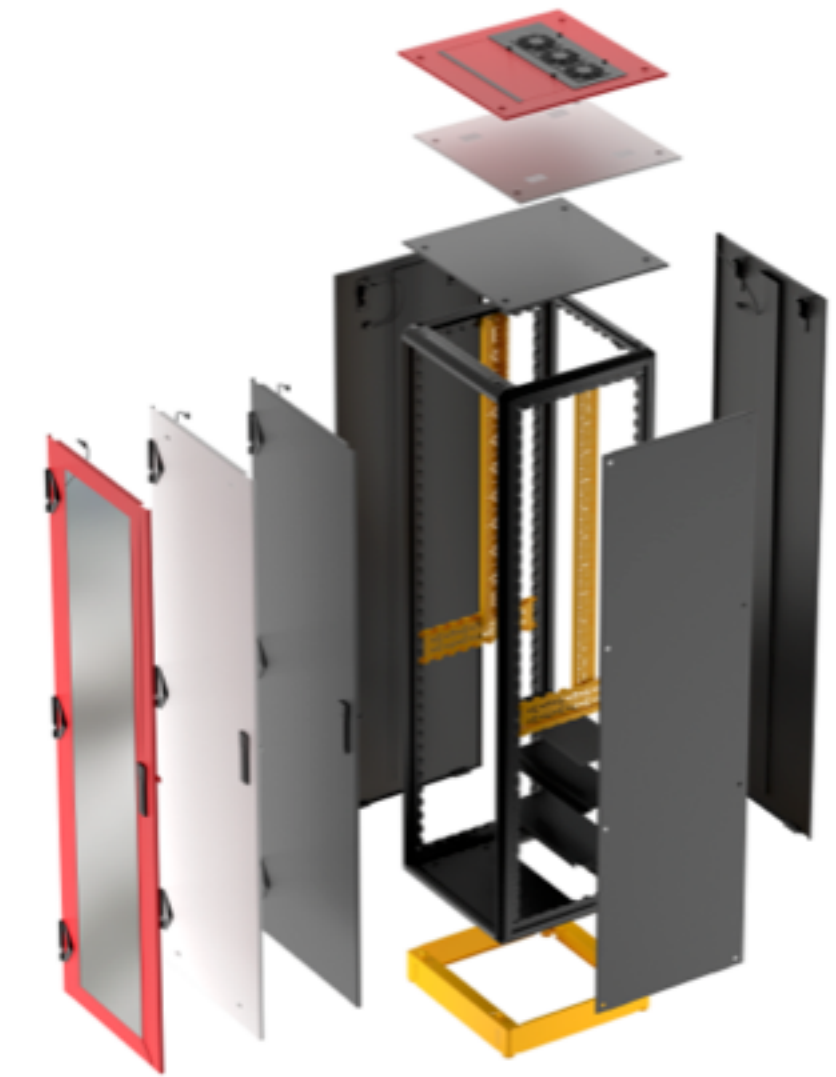
nVent | Schroff



Components



Embedded Systems



Electronics Cabinets

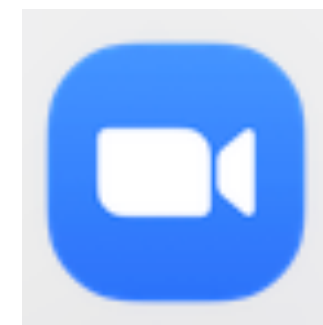
nVent | Schroff



<https://schroff.nvent.com/en-gb/>



Jasmin Gölzenleuchter



<https://desy.zoom.us/j/95686436589>



All Main Coffee breaks

Innovation Communication

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Accelerate Media Processing for ATCA and MTCA

Broad range of audio and video codecs and algorithms

Key features

- simple configuration API so no DSP programming required
- up to eight OCT2224M DSPs
- Xilinx Kintex-7 FPGA
- redundant 1/10G Ethernet connectivity
- integrated media gateway software

Capable of up to:

- 5,120 channels G.729AB/G.711 transcoding
- 112 simultaneous H.264 HD/SD transcodes
- 16,384 TDM/iTDM channels

Let Your **Application** benefit



[Accelerate Media Processing](#) [read more ...](#)



SDR - Software Defined Radio
[read more ...](#)



Accelerate Media Processing
[read more ...](#)



The QorIQ-Family
[read more ...](#)

Board Level Products

System Solutions

Upcoming Events

- ▶ **22nd IEEE RTC 2020**
Virtual Conference, Oct 12-23

Latest News

- ▶ **New SDR Product Line**
Overcomes the limitations of DSPs
- ▶ **NATview 3.2 available**
new release available for download

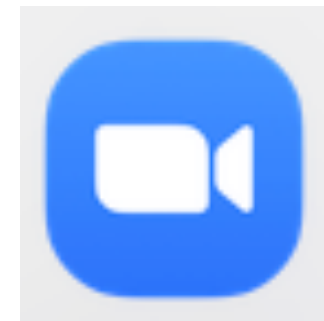
N.A.T



<https://www.nateurope.com>



Heiko Körte



<https://desy.zoom.us/j/98657717819>



Tu: 12:30...13:00

We: 11:00...13:00

Th: 11:00...11:30

And all main coffee breaks

MicroTCA Technology Lab

microTCA
TECHNOLOGY LAB

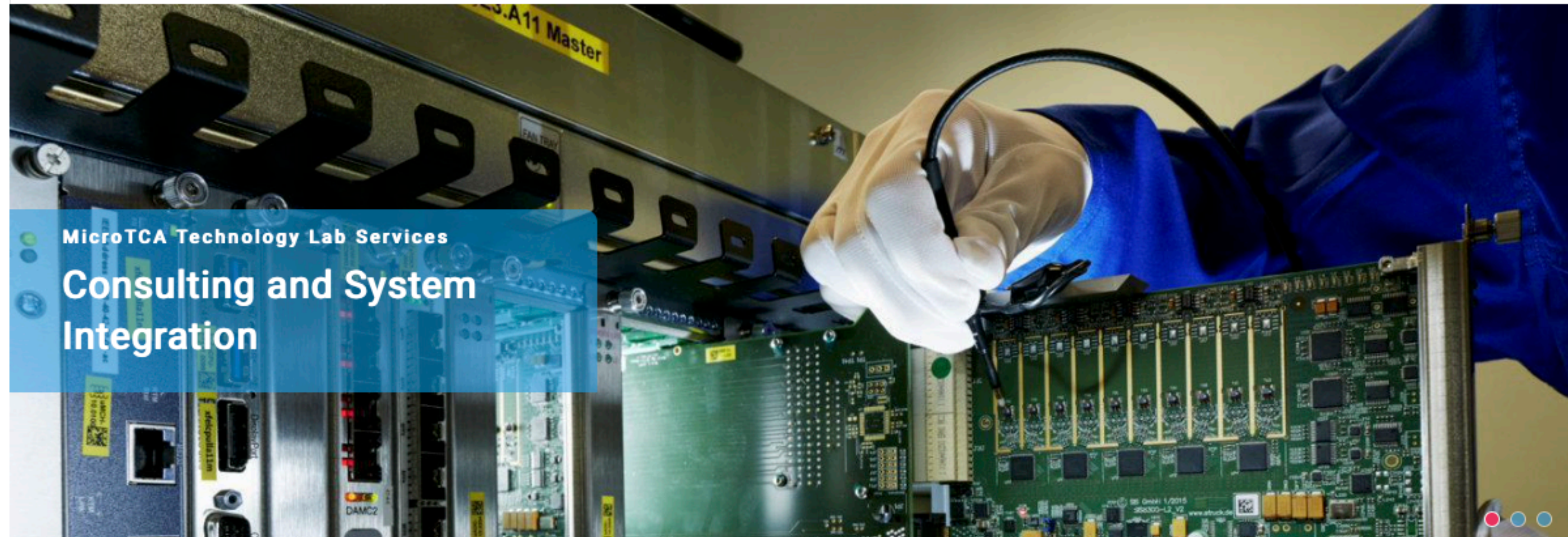
ABOUT
US

PRODUCTS

SERVICES

EVENTS

RESOURCES



MicroTCA Technology Lab Services
**Consulting and System
Integration**

10 GIGE VISION PROCESSING

Learn more about our FPGA/SoC-based system
to operate GigE Vision cameras: [DIPC-7050](#)



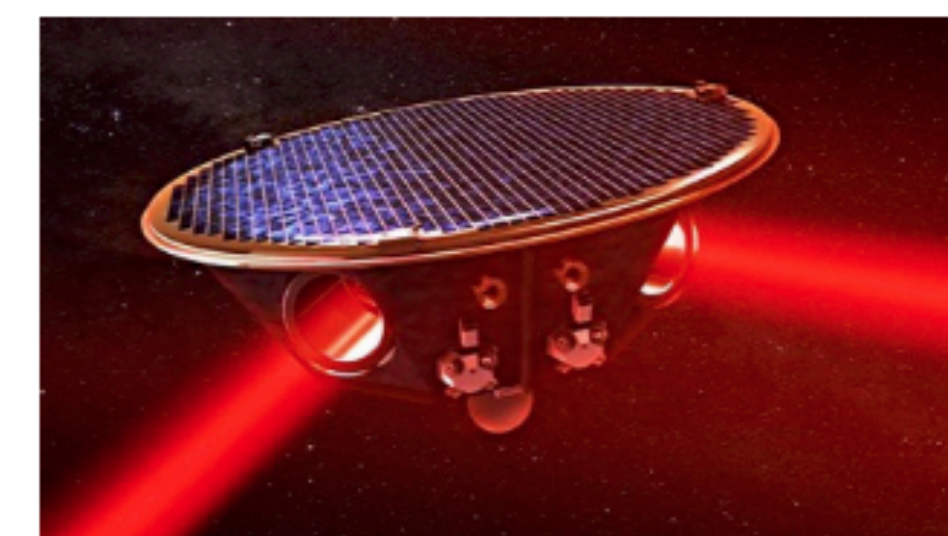
UPCOMING TRAININGS

- Basic Training in MicroTCA.4 for
beginners: [3 - 4 February 2021](#)
- Advanced Trainings for deep MicroTCA.4
knowledge: [24 - 25 February 2021](#)



GRAVITATIONSWELLEN- FORSCHUNG MIT DESY- KNOW-HOW

MicroTCA Technology Lab im Quantum-
Universe-Cluster bekommt Förderung zur
Teilnahme an ESA-Weltraummission



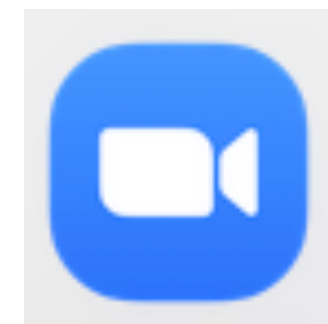
MicroTCA Technology Lab



<https://techlab.desy.de>



Andreas Brunzel, Sven Stubbe



<https://desy.zoom.us/j/99287674564>



Tu: 18:00...19:00

We: 11:00...12:00, 17:55...19:00

Th: 11:00...12:00, 17:45...18:30

And all main coffee breaks

CAENels

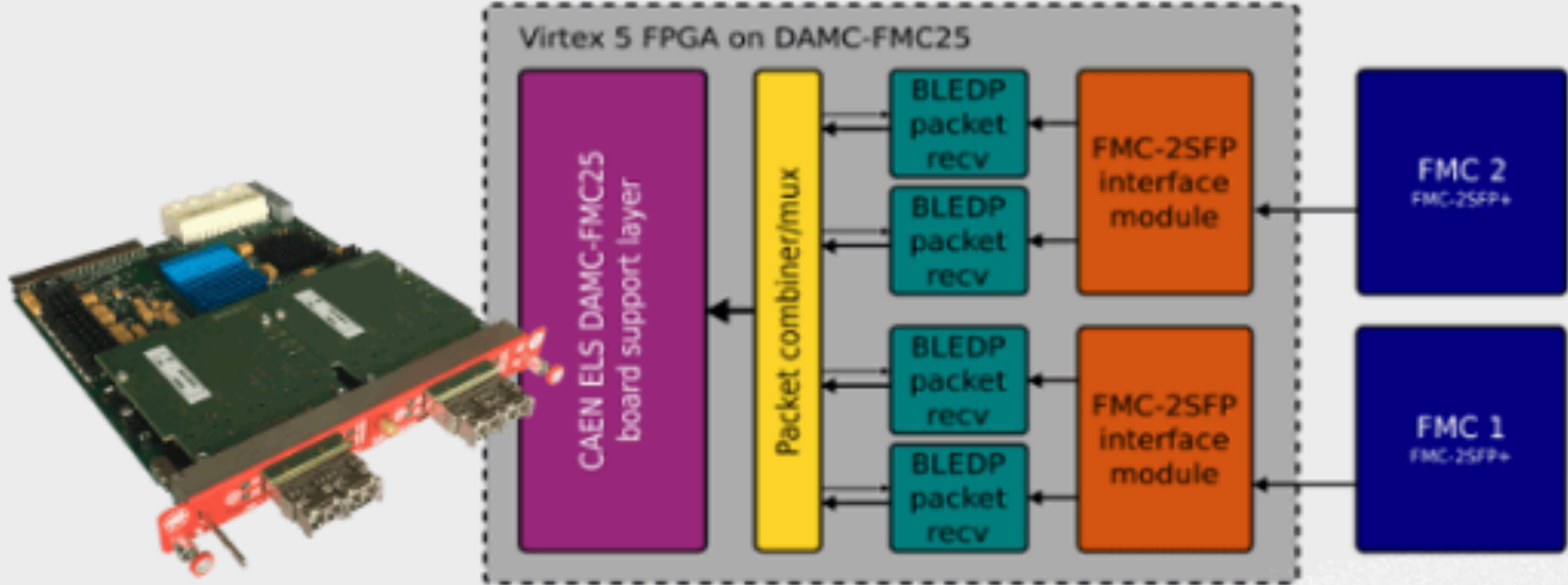


FMC and MicroTCA Solutions

FPGA Mezzanine cards and MicroTCA catalogue and custom systems

From standard solutions to complete systems: hardware, firmware and driver developments

- Data Acquisition
- Current Input devices (FMC-PICO-1M4 and AMC-PICO-8)
- Motor Drivers
- Fast Communication modules (SFP+)
- Carrier Boards
- Custom Application Requirements



2020.10.16 - Ready to deliver 8 MW of Power to APS-U



Power Supply Systems



Precision Current Measurements



Beamline Electronic Instrumentation



FMC and MicroTCA

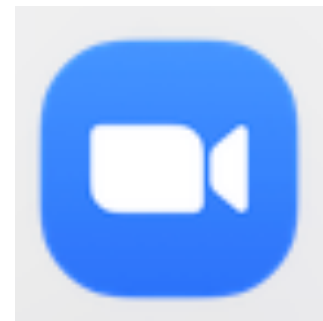
CAENels



<https://www.caenels.com>



Paolo Scarbolo



<https://desy.zoom.us/j/96763177897>



All days: 13:00 ... 18:00

powerBridge



- AdvancedTCA**
 - Systeme
 - CPU-Boards
 - I/O-Boards
- CompactPCI 3HE**
 - Systeme
 - CPU-Boards
 - I/O-Boards
- CompactPCI 6HE**
 - Systeme
 - CPU-Boards
 - I/O-Boards
- Mezzanines**
 - AdvancedMC-Mod
 - PMC/XMC-Module
 - IndustryPack-Mod
- MicroTCA**
 - Systeme
 - CPU AMC-Module
 - I/O AMC-Module
- Industrie-PCs, Displays und Ser**

News

- powerBridge Computer erweitert das Vertriebsprogramm um MTCA.4 und VMEbus Single Board Computer mit leistungsstarken Xilinx Kintex UltraScale FPGAs und schnellen ADCs/DACs sowie FMC-Modulen von IOxOS Technologies.
- Wir bieten [Schulungen](#) und [Fachvorträge](#) zu ausgewählten Themenbereichen in Ihrem Haus.
- SMART Embedded Computing stellt mit der [MaxCore IPC Platform](#) eine Industrie-PC Lösung vor, die maximale Flexibilität und Leistung durch 15 PCI Express Steckplätze bietet.

Kompetenz für Systeme

Fundierte Know-how Design-Unterstützung Professionelle Fertigung Support Kontinuität

Wir verstehen die Anforderungen unserer Kunden. Erwarten Sie von uns technologie-übergreifendes Denken. Wir offerieren Ihnen Systemlösungen, die Ihre Anforderungen an Leistung, Zuverlässigkeit, Robustheit, Kosten und Produktlebensdauer perfekt erfüllen. Unsere Konzepte basieren auf weltweit etablierten Industriestandards und geben Ihnen die Sicherheit für eine zukunftsorientierte Entscheidung.

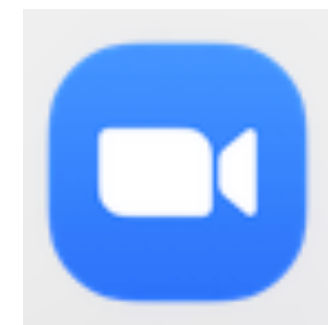
powerBridge



<https://www.powerbridge.de>



Thomas Holzapfel

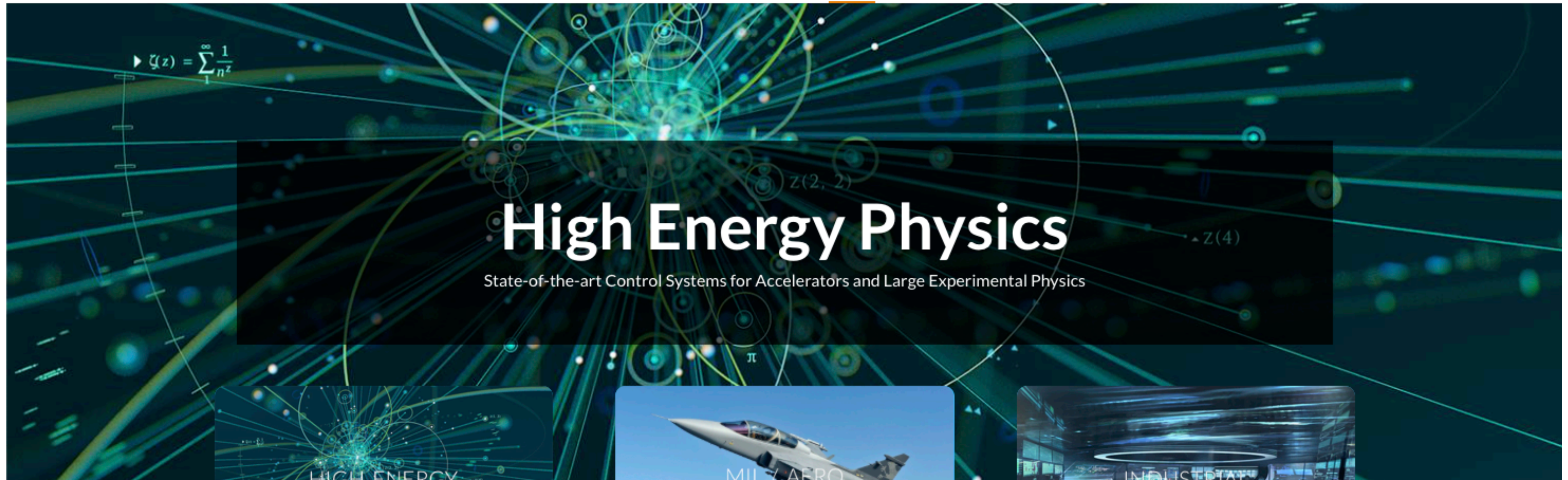


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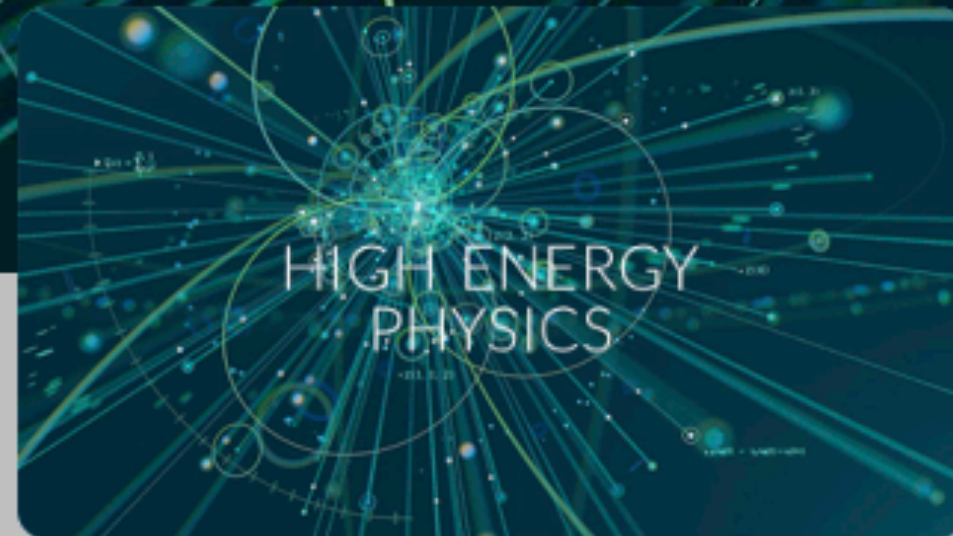
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and Thursday: 12:30 ... 13:00

IOxOS



High Energy Physics

State-of-the-art Control Systems for Accelerators and Large Experimental Physics



Products



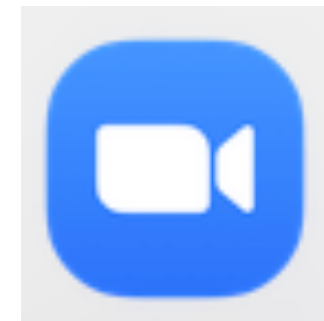
IOxOS



<https://www.ioxos.ch>



Iván García



<https://desy.zoom.us/j/97247835283>



All days: 14:00 ... 17:30

Teledyne SP Devices



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HIGH-PERFORMANCE DIGITIZERS

- 400 MSPS to 10 GSPS sampling rate
- 8 to 14 bits resolution
- Open FPGA and GPU streaming

LEARN MORE



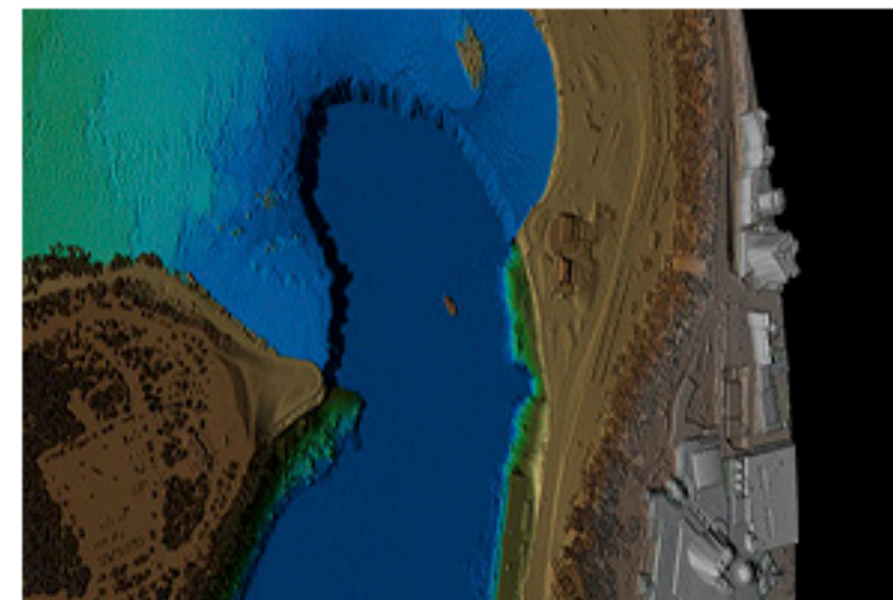
Our Product Solutions

Designed for You.



Products

Learn more about the capabilities and benefits of our hardware, software and firmware modules.



Applications

Learn more about the capabilities and benefits of our applications.



Technology

Learn more about the signal processing IP for digital performance enhancement.

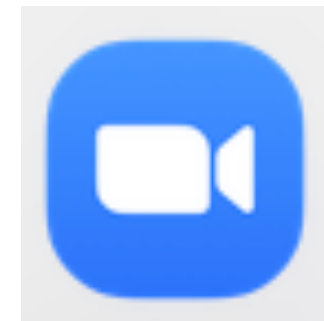
Teledyne SP Devices



<https://www.spdevices.com>



Kacper Matuszynski



<https://desy.zoom.us/j/92017834601>



Tu: 10:00...11:00, 14:30...15:00
17:30...18:30

We: 10:00...11:00, 14:20...14:50

Th: 10:00...11:00, 16:00...16:30

struck innovative systeme

Electronics Inspection Distributors Address/Profile

VMEbus μ TCA/ATCA FMC PCI/Compact PCI PCI Express USB Custom Legacy Manuals/Firmware

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MTCA/ATCA PRODUCT PAGE

xTCA is the latest extension to our product portfolio.

xTCA Electronics	
DS8VM1	MTCA.4 Direct Sampling/Vectormodulator RTM
DWC8300	MTCA.4 Downconverter RTM
DWC8VM1	MTCA.4 Downconverter/Vector Modulator RTM
SIS8100	Advanced FMC Carrier/Gigabit Link Card
SIS8160	Kintex Ultrascale Dual HPC FMC Carrier AMC
SIS8300	MCTA.4 10 channel 125 MS/s 16-bit Digitizer, Virtex 5 FPGA
SIS8300-L	MTCA.4 10 channel 125 MS/s 16-bit Digitizer, Virtex 6 FPGA
SIS8300-L2	MTCA.4 10 channel 125 MS/s 16-bit Digitizer, Virtex 6 FPGA
SIS8300-KU	MTCA.4 10 channel 125 MS/s 16-bit Digitizer, Kintex Ultrascale FPGA
SIS8325	MTCA.4 10 channel 250 MS/s 16-bit Digitizer, Virtex 6 FPGA
SIS8800	MTCA.4 multi purpose scaler, Virtex 6 FPGA
SIS8864	MTCA 64 channel digital I/O, Artix 7 FPGA
SIS8900	MTCA.4 single ended input RTM for SIS8300
SIS8980	MTCA.4 Discriminator RTM

xTCA Electronics

VME INTERFACES

Overview

- PCI/cPCI to VME
- PCI Express to VME
- USB3.0 to VME
- Ethernet to VME
- VME to VME
- AdvancedMC to VME

VME DIGITIZERS

Overview

- 5 GS/s 10-bit
- 250 MS/s 12-bit/14-bit
- 100/125 MS/s 16-bit

VME SCALERS/DIGITAL I/O

Overview

- Multi Purpose Scaler
- Clock Distributor
- Latch/Input Register

MTCA ELECTRONICS

Overview

- 125 MS/s 16-bit Digitizer
- 250 MS/s 16-bit Digitizer
- Multi Purpose Scaler

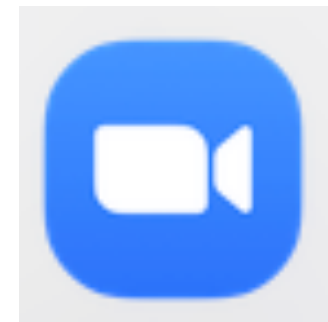
Struck



<https://www.struck.de/xtca.html>



Matthias Kirsch



Please contact via Struck Web Site

