



Close-out: 11th MicroTCA Workshop for Industry & Research (2022)

Holger Schlarb, Group leader MSK/DESY
DESY, 08.12.2022

11th MicroTCA Workshop for Industry & Research

Statistics

| | 2022 | 2021 | 2020 | 2019 | 2018 | 2017 | 2016 | 2015 | 2014 | 2013 | 2012 |
|--------------|------|------|------|------|------|------|------|------|------|------|------|
| Participants | 190 | 189 | 200 | 198 | 188 | 183 | 159 | 177 | 188 | 191 | 180 |
| Institutes | 26 | 29 | 37 | 34 | 22 | 27 | 25 | 31 | 30 | 30 | 25 |
| Companies | 23 | 21 | 23 | 25 | 31 | 24 | 28 | 36 | 39 | 39 | 29 |
| Exhibitors | 13 | 9 | 9 | 12 | 14 | 13 | 14 | 14 | 16 | 16 | 12 |
| Talks | 44 | 40 | 44 | 43 | 43 | 38 | 38 | 45 | 44 | 53 | 42 |

First of all: **many thanks to the speakers!**

- **Well prepared & clear talks**
- **Very informative**
- Thanks for *mostly* staying in schedule

Newcomers ~ 30 %
High recurrent ~ 35 %

Close out 11th MicroTCA Workshop

- **Finally again face-to-face (160) + virtual participation (30)**
 - Indispensable for building network:
 - Get known to each others... who is who
 - Build up trust !!!
 - Understand background, capabilities, focus and goals ...
 - Innovative space ... (Billion Euro Projects were born during dinners...)
 - Hybrid should be keep also in the future...
 - Format looks still adequate (~ 2 keynotes / short compact talks but many 42)
 - Try to cover ecosystem diversity / variety of developments
 - Often we receive... not too much new / bit to early / may next year
 - However we many newcomers and they don't now from your developments
 - Setup again to opportunity for posters ...
 - Tutorial tracks → Still very important & well received ($\Sigma \sim 70$)
 - Specialized pre-sessions → Timing & Open FW & ACAP tool chain ...???

Close out 11th MicroTCA Workshop (Virtual)

- Few take away (personal view)

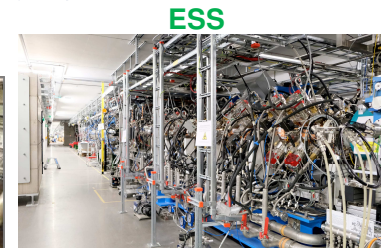
- Many new developments & implementations & new projects within last 12 month
- Update from large scale facilities
- New community → new challenges
- Significantly more “expert”
 - higher integration levels
 - more complex “Use Cases”
- More and more topics related to
 - System integration
 - Larger scale deployments
 - SW/FW/Tools developments (fct. / perf.)
- Critical topic:
 - availability of electronic components
 - EoL & obsolescence managements
- Update on: Next Gen. MicroTCA & Timing & MSoC's & Q.-Comp.



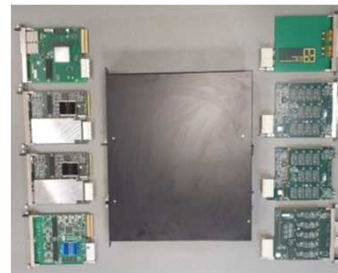
@Tobias Hoffmann
VLT



@Axel Winter



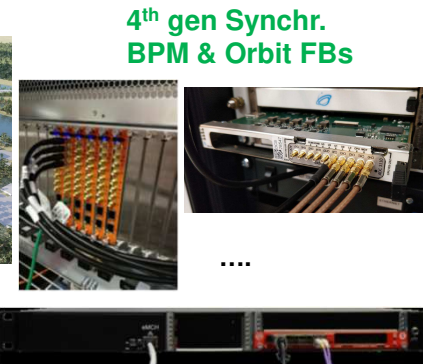
@Timo Korhonen



@Mathias Richerzhagen



@Wouter de Cock



Close out 11th MicroTCA Workshop

- **Outreach and dissemination**

- Support for regional / country focused MTCA WS
 - Expressed interest from US to host WS (may Summit format)
- Prior to large conference (typically half/full day)
 - ICALEPS 2023 (Oct.) [Cape Town, South Africa]
 - Real Time 2024 (Apr.) [Quy Nhon, Vietnam]
- Reach out for media & journals reporting from our efforts
- Research / Areas with growth potentials:
 - Photon science experiments & beamlines
 - Related to Plasma Fusion Reactors (of all kinds)
 - Astrophysics Observatories & Gravitational wave
 - Universities
- **Talent management & Education & Next generation**
 - Many new faces, young engineers & scientist jointed ! THIS IS ESSENTIAL!

Thank you to Industry Exhibitors



Thanks to

Advisory committee:

| | |
|----------------------------|--------------------------------|
| Kay Rehlich (Chair) | DESY |
| Holger Schlarb (Chair) | DESY |
| Tobias Hoffmann | GSI |
| Thomas Holzapfel | powerBridge |
| Christian Ganninger | nVent - Schroff GmbH |
| Heiko Koerte | N.A.T. |
| Rong Liu | Beijing DAQ Technology Co. Ltd |
| Xinpeng Ma | IHEP |
| Dariusz Makowski | Lodz Uni. of Technology |
| Alex Malcolm | VadaTech Inc. |
| Jan Marjanovic | Atom Computing |
| Fumihiko Tamura | J-PARC Center, Japan |
| Daniel Tavares | LNLS |
| Axel Winter | MPI Plasmaphysik |

Valuable input for shaping the workshop!!!

Local organization:

| | |
|----------------|------|
| Hanna Kunze | DESY |
| Gohar Ayvazyan | DESY |



Hanna Kunze



+ Romain Seibert & Johannes Voss

Close out 11th MicroTCA Workshop



Next workshop date:
5-7.12.2023
(Tu-Th)

11th MicroTCA Workshop for Industry & Research

**Thank you for joining
&
Save return Journey**