

Overview of MicroTCA Technology Lab activities

Wednesday 4 December 2019 17:30 (15 minutes)

In its second year of operation has MicroTCA Technology Lab continued to foster the MicroTCA community and deliver customer-oriented solutions. We observe that the MicroTCA market is growing and more and more institutes are adopting or considering adopting MicroTCA as a platform for future installations.

We present here the projects where MicroTCA Technology Lab was involved last year. To name a few: we have successfully delivered turn-key LLRF systems, certified our GigE Vision FPGA implementation and enhanced it with 10 Gigabit Ethernet version, developed a new Zone 3 class for high-frequency RF signals, productized our MMC implementation in DMMC-STAMP and developed a Zynq UltraScale+ MPSoC-based FMC+ carrier. We have also rethought and redesigned MTCA training courses, to give them more emphasis on the needs of the experimental physics.

Together with our colleagues from IHEP we have organized the first MicroTCA Workshop in China, and we are determined to continue this tradition also in the years to come. We have also participated at several conferences and organized several single-day events.

We conclude this overview with a brief summary of the upcoming projects.

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Session Classification: Session 4: Future of MicroTCA