

## Timer & Timing for MicroTCA

*Thursday 8 December 2022 09:00 (15 minutes)*

**Content:**

Timing aspects such as precision, synchronization and distribution are more and more getting critical, not only for applications in science but also for those in industry. Beside application specific precision timing modules the global approach through IEEE1588 is getting more and or attention.

The presentation will highlight the clocking options for a new (NG-MTCA ready) MCH Clock module providing IEEE1588 support and will compare these to dedicated precision timer modules. Also aspects such as the requirements for the connected AMCs and the different options for external clocks and triggers are covered.

**Summary:**

Precise and distributable timing is important for many applications in science and industry.

The presentation will provide a brief comparison of the timing options available for different requirements and precision.

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**Session Classification:** Session 7

**Track Classification:** Applications in industry