

Keynote: Fusion Research with MicroTCA applications

Wednesday 4 December 2019 11:00 (30 minutes)

This presentation will provide an overview of the usage of MicroTCA systems at nuclear fusion facilities around the world. Many DAQ systems for fusion diagnostics at KSTAR (Daejeon, Korea) and Wendelstein 7-X (Greifswald, Germany) are currently based on the MicroTCA standard and their numbers are growing steadily. Also ITER, the next generation Tokamak, has committed to support MicroTCA as part of their DAQ portfolio. After a brief overview about nuclear fusion in general and typical diagnostic challenges, this talk will highlight a number of examples for existing MicroTCA-based systems and also provide an outlook regarding the future plans for MicroTCA at those facilities.

Primary author: Dr WINTER, Axel (MPI Plasmaphysik)

Presenter: Dr WINTER, Axel (MPI Plasmaphysik)

Session Classification: Session 2: Facility status reports