

Tim Wilksen - The MicroTCA-Based Accelerator Control System For The European XFEL - First Experiences With A Production System

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The MicroTCA-based Accelerator Control System for the European XFEL has been in operation as a production system since more than one and half a year now. A brief review and some experiences with focus on the used MicroTCA technology will be presented. Nowadays available hardware and software implementations using the MicroTCA platform however might not be sufficient to cope with higher data rates expected with future upgrades to the European XFEL accelerator facility. In the context of modern data management and analysis methods some ideas and requirements to enhance current concepts of a MicroTCA-based accelerator control system will be discussed.

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