

Increasing demands for the MicroTCA Carrier Hub (MCH)

Tuesday 1 December 2020 15:15 (15 minutes)

Increasing demands for modularity and bandwidth especially in Physics applications create a constant challenge to meet the requirements of application from the “low end”(i.e. Industrial PLC type of control) to the “high end”(i.e. data acquisition and processing with high-end FPGAs). Existing switched MOSA (modular open system architecture) approaches such as MicroTCA, which are heavily used in Big Physics application like machine control, need to catch up with the increasing demand. Therefore, a new concept for the MicroTCA Carrier Hub (MCH) is needed which allows a flexible mix-and-match of MCH sub-modules and provides state-of-the-art switching technology for slim and fat-pipe fabrics at the same time. The presentation will show how this transition from existing MCHs to future solutions can be smoothly effected while maintaining a maximum on backward compatibility.

Summary

Primary author: KÖRTE, Heiko (N.A.T.)

Presenter: KÖRTE, Heiko (N.A.T.)

Session Classification: Session 2

Track Classification: New Products