

## MTCA and PCI Express and PCI Express Hot Swap under Linux

*Tuesday 9 December 2014 16:15 (45 minutes)*

The MTCA use the PCI Express bus as a central bus of data transmissions.

The AMC module to be visible to the user application has to be enabled in PCI Express bus and right configured.

One of especially important features of this bus is a possibility of hot replacement of the devices without rebooting an operating system.

The PCI Express Hot-Swap service is being used relatively long. However, the MTCA system makes its own amendments into general architecture of the PCI Express Hot-Swap and in the methods and ways of use.

Our experience of the adjustment, starting and testing as well as use of the PCI Express Bus and PCI Express Hot-Swap in MTCA architecture will be presented.

**Primary author:** Mr PETROSYAN, Ludwig (DESY)

**Presenter:** Mr PETROSYAN, Ludwig (DESY)

**Session Classification:** Tutorials by experts