



Contribution ID: 18

Type: **not specified**

## **Customized Off-The-Shelf Technologies for building system platforms for Big Physics experiments**

*Tuesday 13 March 2012 09:00 (20 minutes)*

The current challenges has put even more focus on keeping projects using the latest technology to meet the needs of measurement, diagnostic, and control systems. Using Commercial off-the-shelf (COTS) systems to take advantage of innovations in the computer industry and the hundreds of millions of dollars devoted to R&D –domain experts can now benefit from FPGAs as wells as multicore CPUs and GPUs without being specialists on these technologies. Through collaborations between industry and research facilities, engineers can customize these technologies while keeping costs low to achieve faster computing and loop rates.

At this presentation we will give an overview and historic background of platforms options and examine the technological tools available today and what's the direction in to the future

**Primary author:** Mr JOHANSSON, Leif (National Instruments)

**Presenter:** Mr JOHANSSON, Leif (National Instruments)

**Session Classification:** Vortrage 3

**Track Classification:** Vorträge