

## **Kintex Ultrascale based MTCA digitizer cards, the SIS8300-KU and beyond**

*Wednesday 7 December 2016 16:45 (15 minutes)*

The user demand to develop custom digitizer firmware for the SIS8300 family with the current Xilinx Vivado toolchain required a new post Virtex 6 design. First prototypes of the Kintex Ultrascale based SIS8300-KU 125 MSPS 16-bit MTCA.4 Digitizer came out of stuffing mid of November. Design parameters and first results of the new card will be presented.

Test results from (multi)-GSPS 14/16-bit digitizer chip evaluation cards will be shown and possible upcoming JESD204 designs will be addressed in the outlook.

**Primary author:** Dr KIRSCH, Matthias (Struck Innovative Systeme GmbH)

**Presenter:** Dr KIRSCH, Matthias (Struck Innovative Systeme GmbH)

**Session Classification:** Session 4

**Track Classification:** New products and developments