



**PRISMA**

DETECTOR LAB

# PRISMA SCHOOL 2016

## High-Speed Data Acquisition Systems for Particle Detectors

**Mainz, 17 – 21 October 2016**

The School addresses to master students, Ph.D. students, and postdoctoral researchers in physics aiming to work with data acquisition systems (DAQ). It will introduce typical concepts and designs of DAQs and associated electronics enabling the handling of high data rates, preserving relevant signal information, or making smart trigger decisions.

### School program

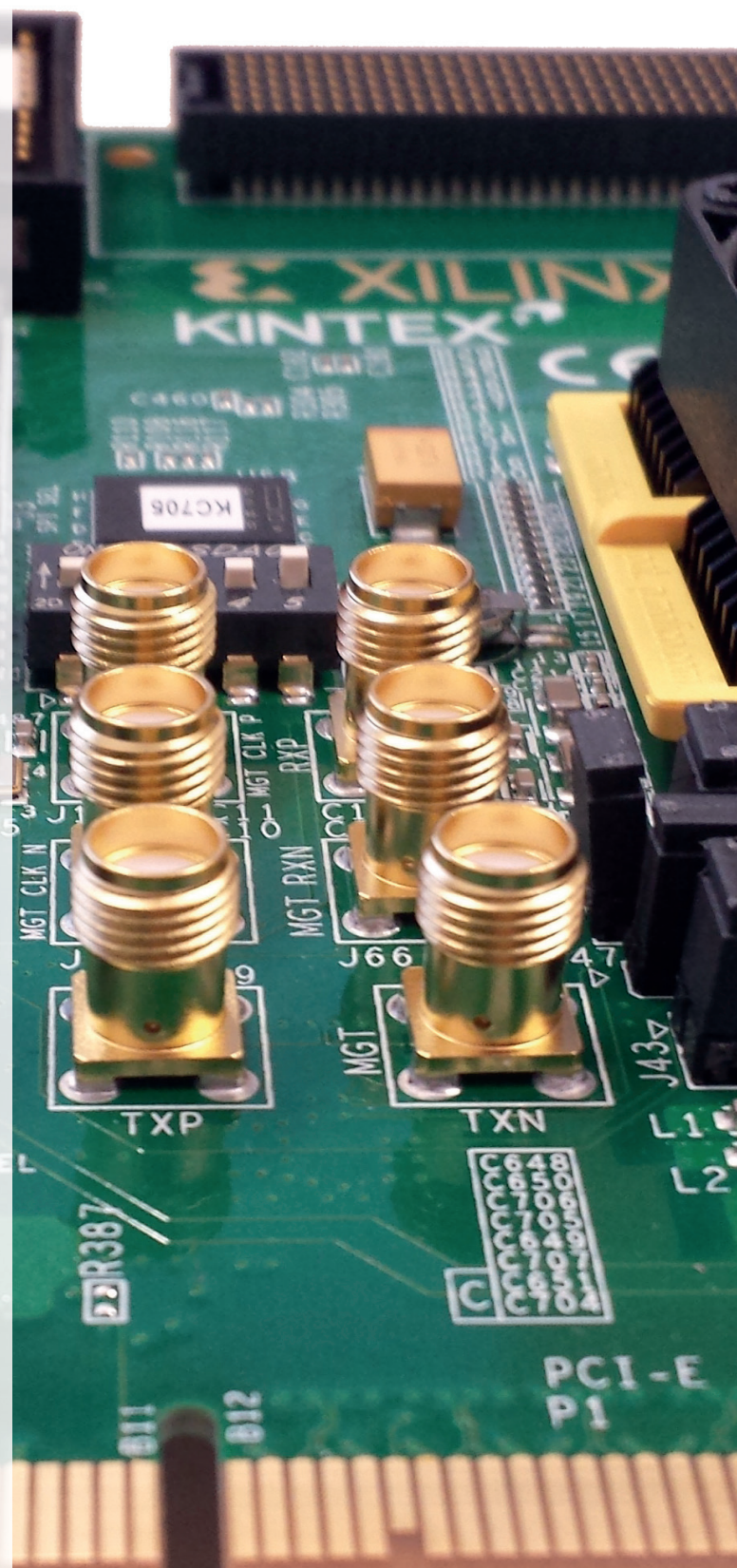
Morning sessions will consist of lectures, which cover the fundamentals and prepare for the afternoon laboratories. Working in small groups, the participants will get acquainted with the subjects through practical exercises: FPGA and GPU programming, circuit simulation and system design.

#### Organized by

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#### Further Information

<https://indico.mitp.uni-mainz.de/event/67>  
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**PRISMA**

Cluster of Excellence  
Precision Physics, Fundamental Interactions  
and Structure of Matter

**Symmetry  
Breaking**



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