

UM CERN REU Progress #1

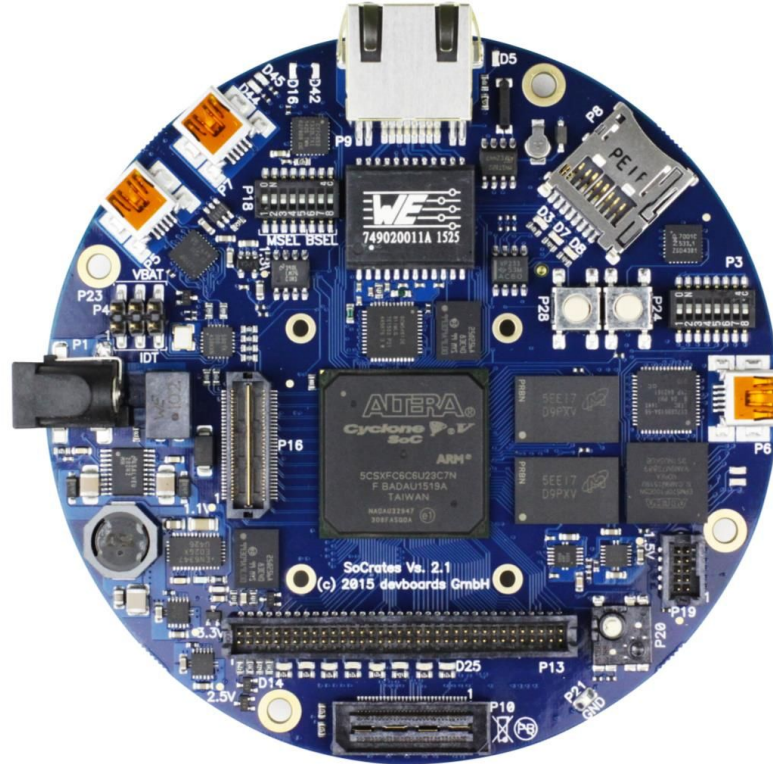
Sharon Tseng

LHCb

Event Filter Farm hard drives

Develop a vibration monitoring system for the hard-disks using vibration sensors, ADCs and a SoC FPGA

Altera SoCrates II Cyclone V FPGA



REU Goals

- Increased familiarity with FPGAs
 - Interfacing between ARM Processor & FPGA fabric
 - Choosing commercial components
 - Understand how CERN operates as a research organization
 - More knowledge about future specializations
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