



Oliscience

- Young and passionate startup of committed professionals
- Originating from the CERN@Nikhef BIC (Business Incubator Centre)



• Coached by the Amsterdam Centre for Entrepreneurship



• Based at the Startup Village (Science Park)



Oliscience team

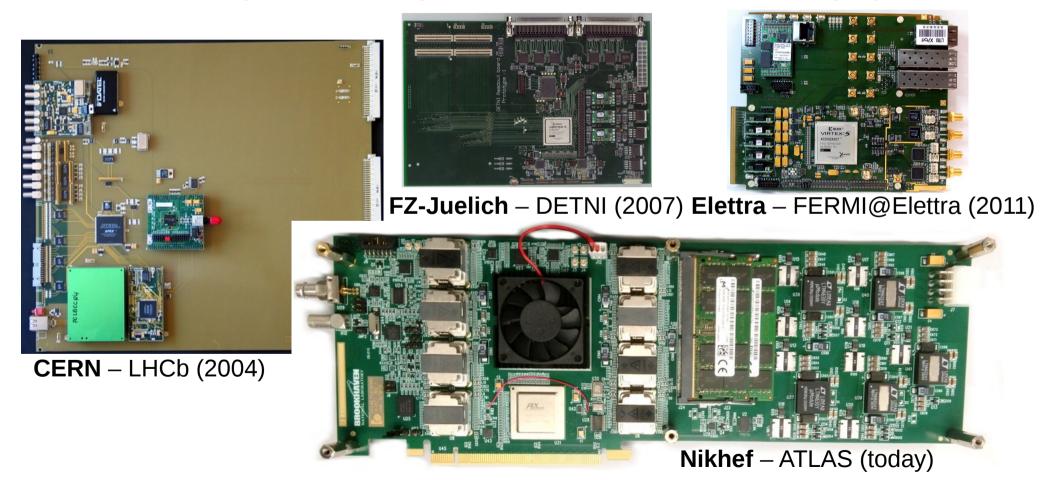


12-01-2018



Who am I

• In the engineering world most commonly known as a "Digital Designer" or... "the FPGA guy"

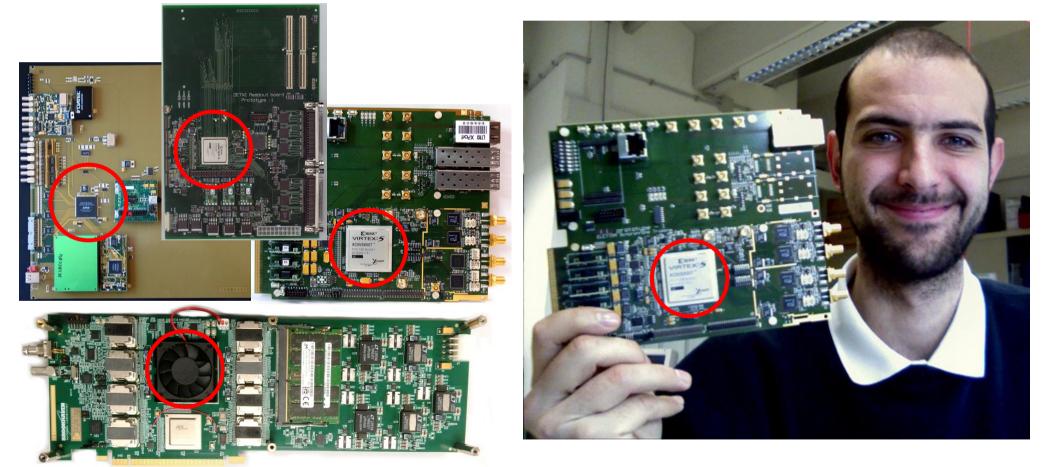


ATTRACT meeting at Nikhef



FPGAs

Field Programmable Gate Arrays key components widely used in high-end technology markets

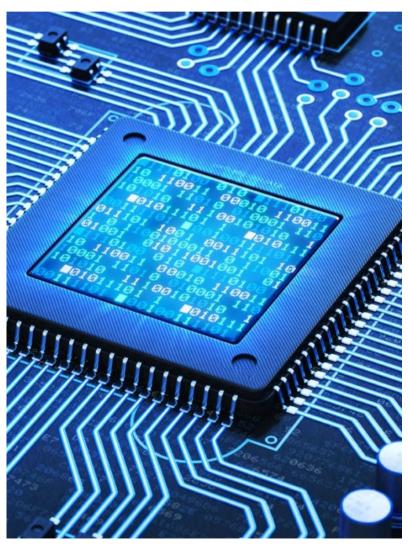




Gateware

"Intelligence" inside the FPGA





Empower experts





we develop, drive and promote the large OpenCores community

- Research institutions
- Universities
- High-tech corporates

engage them on our portal and foster common practices



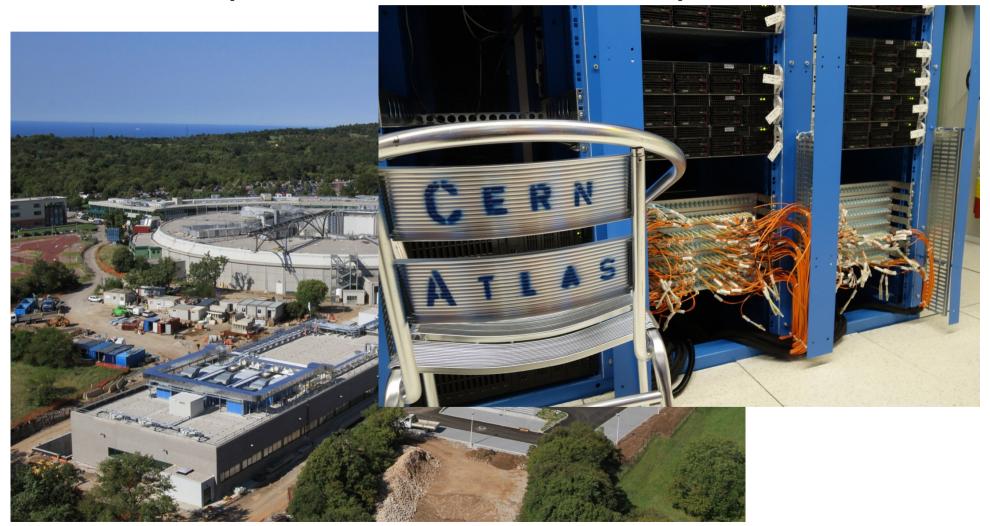
we want to help the next big innovators in the detector / imaging sector to make the right technological decisions

- Avail from a pool of professionals
- Access to the reference forum
- Strong partnership with Nikhef

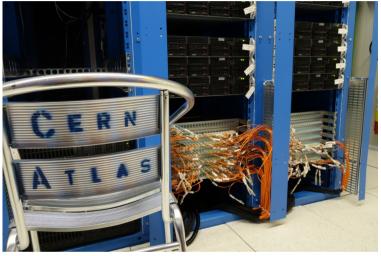
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- Big data (co-processing)

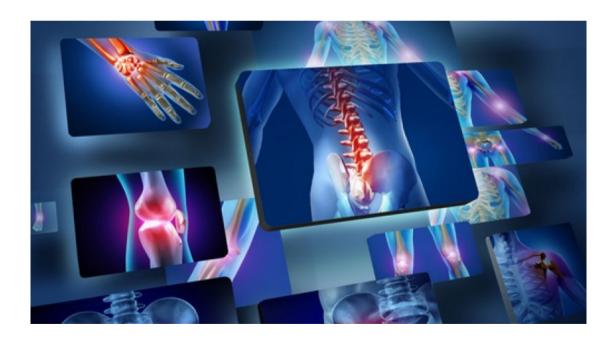








- Science (detectors / accelerators)
- Big data (co-processing)
- Medical imaging (real time processing / DAQ)









- 2018 will be an exciting year for FPGA fanatics
- FPGAs are getting everywhere (more than ever) \rightarrow Intel bought Altera [end 2015] Vilia is in the cloud (AWS) with IBM [2017]
 - \rightarrow Xilinx is in the cloud (AWS) with IBM [2017]
- Market is clearly rocketing
- There is a evident wave approaching us

 → that will also hit the frontiers of detector and
 imaging technologies

Oliscience is ready to catch it first



- Already exploring partnerships
 - \rightarrow CERN [in the DAQ area]
 - \rightarrow UMC Utrecht [in the co-processing area]
 - \rightarrow Politecnico di Torino [for the methodology and tools]
- with a horizon of 5+ years, focus on:

 \rightarrow explore the tools, techniques, methods to merge and cross-contaminate sectors using FPGAs

 \rightarrow lead the effort to define architectures and methodologies applicable to high-end markets

early introduction of best practices for our partners may shape the way of doing FPGA development in the future.