

Cloud-FPGA Programming with AWS F1, SDAccel and the CAOS Framework

Tentative Outline:

- Introduction to SDAccel, Amazon F1 Instances and CAOS
- 15m break
- Tools demonstration
 - How to deploy an AWS EC2 F1 Instance
 - Introduction to the proposed algorithm to accelerate
 - How to design using SDAccel on Amazon F1 with the GUI flow
 - How to design using SDAccel on Amazon F1 with the Makefile flow
 - How to design using CAOS on Amazon F1
- 15m break
- Hands-on CAOS and SDAccel
 - The user will be provided with a non-optimized version of an application and will be asked to optimize it for an Amazon F1 instance using one of the presented approaches