

Introduction and training "Intel KNL Many-Core - usage and profiling"

JSC , 12.-15. Sep. 2017

Preliminary Agenda

Tuesday, Sep 12th 2017

11:00 - 12:30	Welcome and Introduction to Hardware and Tools
12:30 - 13:30	Lunch break
13:30 - 14:15	VTune intro
14:15 - 15:00	VTune hands-on, examples provided or own code
15:00 - 15:30	Coffee break
15:30 - 17:00	VTune more details

Wednesday, Sep 13th 2017

09:00 - 09:45	Advisor intro
09:45 - 10:30	Advisor hands-on, examples provides or own code
10:30 - 11:00	Coffee break
11:00 - 12:30	Advisor "Roofline Session"
12:30 - 13:30	Lunch break
13:30 - 17:00	Hands-on with own code + collection of questions

Thursday, Sep 14th 2017

09:00 - 12:30	Hands-on continued + answers to questions
12:30 - 13:30	Lunch break
13:30 - 14:30	Intel Advisor on leading edge: what's coming? DRAM and Cache traffic analyzers and rooflines. Cache simulation and co-design capabilities
14:30 - 15:00	Coffee break
15:00 - 16:00	How to deal with template-oriented code in C++
16:00 - 17:00	Hands-on template-oriented code in C++

Friday, Sep 15th 2017

09:00 - 09:45	Inspector intro
09:45 - 10:30	Inspector Hands-on
10:30 - 11:00	Coffee break
11:00 - 12:00	Wrap-up and Outlook