The Speakers

Soner Steiner
VSC

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IT4I

Slides and Labs

- course_material

Agenda DAY1

DAY 1 – THEME: PROGRAMMING WITH ONEAPI

Time	Session name / description	Presenter
09:30	Welcome	Soner/Claudia
09:40	Introduction to oneAPI and DevCloud infrastructure	Soner
10:00	Introduction to the VSC5 Cluster, login and job submit	Soner
10:15	Intro Programming CPU/GPU using SYCL	Georg
11:00	Coffee	
11:15	Advanced Programming CPU/GPU using SYCL	Soner
12:00	Lunch	
13:00	LAB1: INTRODUCTORY SYCL	Georg
14:30	Coffee	
14:45	LAB2: ADVANCED SYCL	Soner
16:00	End of Day 1	

Agenda DAY2

DAY 2 – THEME: PROGRAMMING WITH ONEAPI AND PROFILING

Time	Session name / description	Presenter
09:30	Welcome	Soner/Claudia
09:40	Porting CUDA code to SYCL using the Compatibility Tool	Georg
10:30	HANDS-ON WITH COMPATIBILITY TOOL A hands-on lab session where you can try porting a CUDA code to oneAPI with the help of the Compatibility Tool	Georg
11:00	Coffee	
11:15	OFFLOADING WITH C/C++ and FORTRAN Offloading using OpenMP mainly in C/C++ Offloading using OpenMP in FORTRAN Automatic offloading using DO CONCURRENT	Soner
12:00	Lunch	
13:00	LAB3: HANDS-ON OFFLOADING WITH OPENMP	Soner
14:30	Coffee	
14:45	LAB4: HANDS-ON VTUNE A hands-on lab session where you can use the Vtune and Advisor profilers to assess the performance of some example codes.	Soner
16:00	End of Day 2	

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