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LUMI High-performance computing

Wednesday, 1 June 2022 08:30 (2h 30m)

Speakers: the LUMI training team

The workshop consists of four parts:

General introduction to EuroHPC LUMI - Jørn Dietze (LUST)
Programming for LUMI GPUs - Jussi Heikonen (CSC, FI)
How to use LUMI (Run jobs and use software) - Jørn Dietze (LUST)
How to access LUMI (Puhuri portal by the NeIC Puhuri project) - Ahti Saar (UT, EE) and Jarno Laitinen (CSC, FI)
Programming for LUMI GPUs: While utilizing GPUs is nothing new in HPC it is still a field in active development and especially when AMD hardware is targeted. We'll discuss the various approaches available for LUMI keeping in mind portability and legacy codes. HIP/Cuda together with directive based models and frameworks will be covered. Finally, we'll present some emerging tools for Fortan.

Agenda:

08:30 - 09:00 General introduction to EuroHPC LUMI

09:00 - 09:30 How to access LUMI (Puhuri portal by the NeIC Puhuri project)

09:30 - 10:00 How to use LUMI (Run jobs and use software)

10:00 - 10:15 Break

10:15 - 10:45 Programming for LUMI GPUs

10:45 - 11:00 General discussion

Size of poster

Session Classification: Workshops