

Monday 24 June

Open platform programming and accelerated devices

MR5, Pavilion A, Centre for Mathematical Sciences

- Morning session

- 9.00 - 9.30: Registration and coffee
- 9.30 - 10.15: Overview of open platform programming methods for exascale computing (Tom Deakin, Bristol)
- 10.15 - 11.00: Optimizing N-body codes for Aurora and Intel PVC GPU Architecture (Steve Rangel, Argonne Natl. Lab)
- 11.00 - 11.30: Coffee
- 11.30 - 11.45: Dawn of a new era: Introducing Cambridge's new PVC cluster (Kacper Kornet, Cambridge)
- 11.45 - 12.45: SYCL demonstrations
 - 11.45 - 12.15: The OneAPI ecosystem: Intel Advisor, SYCLomatic and you (Stephen Blair-Chappell)
 - 12.15 - 12.45: AdaptiveCpp (Aksel Alpay, Heidelberg)

- Afternoon sessions:

- 2.00 - 2.45: Portable and reproducible benchmarking for exascale systems (Tuomas Koskela, UCL)
- 2.45 - 3.45: The Kokkos ecosystem and its SYCL backend (Daniel Arndt, Oakridge Natl. Lab, remote)
- 3.45 - 4.15: Coffee
- 4.15 - 5.00: Kokkos demonstration (Arnaud Durocher, CEA)
- 7pm - : Workshop dinner (Galleria, 33 Bridge St, Cambridge)