

# aIXcelerate

## Agenda

### Tue, Oct 11

#### Intel® MPI, MPI Autotuning, Intel® Math Kernel Library

- 13:00 – 13:45** Welcome and Introduction to the RWTH Compute cluster
- 13:45 – 15:00** Tuning with Intel® MPI
- 15:00 – 15:30** Coffee Break
- 15:30 – 16:30** Hands on
- 16:30 – 16:45** *Coffee Break*
- 16:45 – 17:30** Intel® Math Kernel Library

### Wed, Oct 12

#### Intel® Trace Analyzer and Collector

- 09:00 – 10:00** Intel® Trace Analyzer and Collector: Part 1
- 10:00 – 10:30** *Coffee Break*
- 10:30 – 12:00** Hands on
- 12:00 – 13:30** *Lunch*
- 13:30 – 14:30** Intel® Trace Analyzer and Collector: Part 2
- 14:30 – 15:00** Hands on
- 15:30 – 16:30** Hands on
- 16:30 – 16:45** *Coffee Break*
- 16:45 – 17:30** Intel® VTune Amplifier XE and MPI

### Thur, Oct 13

#### Hybrid Parallelization

- 09:00 – 10:00** Hybrid Parallelization: MPI+OpenMP
- 10:00 – 11:00** Tuning Hybrid Applications
- 11:30 – 12:00** Hands on
- 12:00 – 13:30** *Lunch*
- 13:30 – 14:45** Hands on
- 14:45 – 15:00** Wrap-up