

# aIXcelerate

## Agenda

### Tue, Oct 11

#### Intel<sup>®</sup> MPI, MPI Autotuning, Intel<sup>®</sup> Math Kernel Library

**13:00 – 13:45** Welcome and Introduction to the RWTH Compute cluster

**13:45 – 15:00** Tuning with Intel<sup>®</sup> MPI

**15:00 – 15:30** Coffee Break

**15:30 – 16:30** Hands on

**16:30 – 16:45** *Coffee Break*

**16:45 – 17:30** Intel<sup>®</sup> Math Kernel Library

### Wed, Oct 12

#### Intel<sup>®</sup> Trace Analyzer and Collector

**09:00 – 10:00** Intel<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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