

Advanced MPI

(PRACE Training Course)

October 19-21, 2021

VSB - Technical University of Ostrava
ONLINE

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Message Passing Interface (MPI) is a dominant programming model on clusters and distributed memory architectures. This course is focused on users with some experience with MPI that want to deepen their knowledge. The course briefly recapitulates basic concepts and describes them in more detail. Then, more advanced concepts will be described (e.g., one-sided communication, parallel file I/O). Attendees will be able to immediately test and understand all these constructs in hands-on sessions.

Tuesday October 19, 2021

9:00 - 15:00 (lunch break included)

- Process model, point-to-point communication (short summary)
- Non-blocking communication (recapitulation)
- Collective communication (blocking, non-blocking)

Wednesday October 20, 2021

9:00 - 15:00 (lunch break included)

- Groups and communicators
- Virtual topologies
- Derived datatypes
- Fortran and MPI

Thursday May 27, 2021

9:00 - 13:00

- One-sided communication
- Shared memory one-sided communication
- Parallel file I/O



More information & registration
events.it4i.cz/event/117/



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