

**[Online] Parallel
programming with MPI and
OpenMP @ VSC Belgium**

Report of Contributions

Contribution ID: 1

Type: **not specified**

MPI session 2

Monday, March 21, 2022 1:00 PM (2 hours)

Messages and point-to-point communication
Non-blocking communication

Contribution ID: 2

Type: **not specified**

MPI session 1

Monday, March 21, 2022 10:00 AM (2 hours)

MPI overview

Process model and language binding

Contribution ID: 3

Type: **not specified**

MPI session 3

Tuesday, March 22, 2022 10:00 AM (2 hours)

Collective communication

Error handling

Contribution ID: 4

Type: **not specified**

MPI session 4

Tuesday, March 22, 2022 1:00 PM (2 hours)

Groups and communicators

Contribution ID: 5

Type: **not specified**

MPI session 5

Thursday, March 24, 2022 10:00 AM (2 hours)

Virtual topologies

Derived data types

Contribution ID: 6

Type: **not specified**

MPI session 6

Thursday, March 24, 2022 1:00 PM (2 hours)

Parallel I/O

Contribution ID: 7

Type: **not specified**

MPI session 7

Friday, March 25, 2022 10:00 AM (2 hours)

One-sided communication

Shared-memory one-sided communication

Contribution ID: **8**

Type: **not specified**

MPI session 8

Friday, March 25, 2022 1:00 PM (2 hours)

Process creation and management

Best practices

Contribution ID: 9

Type: **not specified**

OpenMP session 1

Monday, March 28, 2022 10:00 AM (2 hours)

Introduction to OpenMP
Programming and execution model

Contribution ID: **10**

Type: **not specified**

OpenMP session 2

Monday, March 28, 2022 1:00 PM (2 hours)

Workshare directives

Data environment and combined constructs

Contribution ID: **11**

Type: **not specified**

OpenMP session 3

Tuesday, March 29, 2022 10:00 AM (2 hours)

OpenMP 4.x features

OpenMP pitfalls and optimization

Contribution ID: 12

Type: **not specified**

OpenMP session 4

Tuesday, March 29, 2022 1:00 PM (2 hours)

Detecting race conditions

Wrap-up