HPC Day 2025 @ HIM

Report of Contributions

Contribution ID: **1**   Type: **not specified**

Preparation for hands-on

Thursday 27 February 2025 08:30 (45 minutes)

HPC Newbies welcome:
- Setup and access
- Learn how to connect with our cluster Himster 2 and log in.

ONLY necessary to attend if you have NO Himster2/Mogon2-account.

Presenter: OTTE, Peter-Bernd (HI-Mainz)

Contribution ID: **2** Type: **not specified**

HPC introduction and machine overview

Thursday 27 February 2025 09:15 (45 minutes)

Get to know our machine:
- Overview Himster 2 / Mogon 2 / Himster 3 / Mono NHR
- home directory
- Lustre parallel file system
- interconnect
- guided tour

(with hands-on)

Presenter: OTTE, Peter-Bernd (HI-Mainz)

Contribution ID: **3**   Type: **not specified**

Cluster wide computation with MPI for Python

Thursday 27 February 2025 11:30 (45 minutes)

with hands-on

Presenter: OTTE, Peter-Bernd (HI-Mainz)

Contribution ID: **5**   Type: **not specified**

Jupyter and Papermill

Thursday 27 February 2025 15:10 (20 minutes)

with hands-on

Presenter: OTTE, Peter-Bernd (HI-Mainz)

Contribution ID: 6   Type: **not specified**

Building und using a container with Apptainer

Thursday 27 February 2025 13:00 (50 minutes)

formerly Singularity,
with hands-on

Presenter: OTTE, Peter-Bernd (HI-Mainz)

Contribution ID: **7**   Type: **not specified**

Research data management + hands-on

Thursday 27 February 2025 14:00 (1 hour)

To properly manage your data, make it Findable, Accessible, Interoberable and Reusable (FAIR) for other scientist, I will explain what is ment by Research Data Management (RDM), how to plan RDM and which Tools are available at the JGU Mainz.

15 min Introduction
45 min hands-on

Presenter: Dr STEINKAMP, Jörg (JGU Mainz)

Contribution ID: **8** Type: **not specified**

Lustre, parallel file system

Thursday 27 February 2025 10:00 (1h 30m)

introduction and best practices, hands-on

Presenter: Dr NOSKOV, Sergey (ZDV)

Contribution ID: **10**   Type: **not specified**

Guided Tour HPC Cluster

Thursday 27 February 2025 15:45 (30 minutes)

Presenter: OTTE, Peter-Bernd (HI-Mainz)