HPC Day @ HIM

Report of Contributions

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

Preparation for hands-on

Thursday, 9 February 2023 08:30 (45 minutes)

Setup and access
Learn how to connect with our cluster Himster 2 and log in.

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

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

HPC introduction and machine overview

Thursday, 9 February 2023 09:15 (30 minutes)

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

(with hands-on)

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

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

Cluster wide computation with MPI for Python

Thursday, 9 February 2023 09:45 (45 minutes)

with hands-on

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

Contribution ID: 4   Type: **not specified**

Mathematica on Himster 2

Thursday, 9 February 2023 11:00 (20 minutes)

with hands-on

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

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

Jupyter and Papermill

Thursday, 9 February 2023 10:35 (20 minutes)

with hands-on

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

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

Building und using a container with Singularity

Thursday, 9 February 2023 11:25 (50 minutes)

with hands-on

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

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

Research data management

Thursday, 9 February 2023 13:00 (40 minutes)

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.

Presenter: Dr STEINKAMP, Jörg (ZDV, Uni-Mainz)

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

Lustre, parallel file system

Thursday, 9 February 2023 14:30 (1h 30m)

introduction and best practices, hands-on

Presenter: KELLER, Patrick (ZDV (HPC))

Contribution ID: **9**   Type: **not specified**

JGU campus network, connections to the Internet and mass data transport

Thursday, 9 February 2023 13:45 (45 minutes)

(Dr. Jügern Weiß, ZDV)
Involved in data transfer across the university or around the globe (eg BES3, GSI or CERN)? This is your topic!

Presenter: Dr WEISS, Jürgen (ZDV, Uni-Mainz)