

**Introduction to
supercomputing at JSC -
Theory and Practice**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Welcome

Monday, 11 November 2024 13:00 (10 minutes)

Presenter: ZHUKOV, Ilya (JSC)

Contribution ID: 2

Type: **not specified**

Hands-On

Tuesday, 12 November 2024 09:00 (3 hours)

Contribution ID: 3

Type: **not specified**

Hands-On

Wednesday, 13 November 2024 09:00 (2 hours)

Contribution ID: 4

Type: **not specified**

Hands-On

Thursday, 14 November 2024 09:00 (2 hours)

Contribution ID: 5

Type: **not specified**

Introduction to JSC

Monday, 11 November 2024 13:10 (30 minutes)

Presenter: MOHR, Bernd (JSC)

Contribution ID: 6

Type: **not specified**

HPC in a nutshell

Monday, 11 November 2024 13:40 (40 minutes)

Presenter: ZHUKOV, Ilya (JSC)

Contribution ID: 7

Type: **not specified**

User portal and job monitoring

Monday, 11 November 2024 14:40 (40 minutes)

Presenter: ZJUPA, Jolanta (JSC/FZJ)

Contribution ID: 8

Type: **not specified**

JupyterLab —Supercomputing in your Browser

Tuesday, 12 November 2024 14:40 (45 minutes)

Presenter: GOEBBERT, Jens Henrik (Forschungszentrum Jülich, Jülich Supercomputing Centre)

Contribution ID: 9

Type: **not specified**

JUST: Juelich Storage Cluster

Monday, 11 November 2024 16:20 (40 minutes)

Presenter: GRAF, Stephan (JSC)

Contribution ID: **10**

Type: **not specified**

JSC Systems —JUWELS, JURECA & JUSUF

Monday, 11 November 2024 15:20 (40 minutes)

Presenter: ALVAREZ, Damian

Contribution ID: 11

Type: **not specified**

HPC Software —Modules, Libraries & Software

Tuesday, 12 November 2024 13:00 (30 minutes)

Presenter: PARTZSCH, Ruth (JSC)

Contribution ID: 12

Type: **not specified**

Batch usage on JSC

Tuesday, 12 November 2024 13:30 (50 minutes)

Presenter: PASCHOULAS, Chrysovalantis (JSC)

Contribution ID: 13

Type: **not specified**

GPU accelerators at JSC

Wednesday, 13 November 2024 13:00 (1 hour)

Presenter: HERTEN, Andreas (JSC)

Contribution ID: 14

Type: **not specified**

Deep Learning on Supercomputers

Wednesday, 13 November 2024 14:30 (1 hour)

Presenter: STRUBE, Alexandre (JSC)

Contribution ID: 15

Type: **not specified**

HPC Software - Debuggers and Performance Analysis Tools

Wednesday, 13 November 2024 15:50 (1h 10m)

Presenter: KNOBLOCH, Michael (Forschungszentrum Jülich GmbH)

Contribution ID: 16

Type: **not specified**

Parallel debuggers (demo)

Thursday, 14 November 2024 13:00 (1 hour)

Presenter: KNOBLOCH, Michael (Forschungszentrum Jülich GmbH)

Contribution ID: 17

Type: **not specified**

Intel tuning for JUWELS and JURECA

Thursday, 14 November 2024 14:20 (1 hour)

Presenter: BOCKHORST, Heinrich (Intel)

Contribution ID: **18**

Type: **not specified**

JUWELS & JURECA Tuning for the platform

Thursday, 14 November 2024 15:40 (40 minutes)

Presenter: KÜVEN, Patrick (ParTec)

Contribution ID: 19

Type: **not specified**

Evolution of the Sequana System Architecture

Presenter: WARSCHKO, Thomas (Eviden)

Contribution ID: 20

Type: **not specified**

Wrap-up

Thursday, 14 November 2024 16:20 (10 minutes)

Presenters: ZHUKOV, Ilya (JSC); ZJUPA, Jolanta (JSC/FZJ)

Contribution ID: 21

Type: **not specified**

Hands-On: Remote Visualization

Thursday, 14 November 2024 11:00 (1 hour)

Presenter: ZILKEN, Herwig (FZJ/JSC)

Contribution ID: 22

Type: **not specified**

Proper Pinning Prevents Pretty Poor Performance

Wednesday, 13 November 2024 11:30 (30 minutes)

Presenter: HATER, Thorsten (JSC)

Contribution ID: 23

Type: **not specified**

Uniform Resource Access, Data Access and Cloud Resources at JSC

Tuesday, 12 November 2024 16:15 (45 minutes)

Presenter: HAGEMEIER, Björn (Forschungszentrum Jülich GmbH)

Contribution ID: 24

Type: **not specified**

LLview: best practices (demo)

Tuesday, 12 November 2024 15:45 (30 minutes)

Presenter: GUIMARAES, Filipe (JSC/FZJ)

Contribution ID: 25

Type: **not specified**

Anaconda usage at JSC (discussion)

Wednesday, 13 November 2024 11:00 (30 minutes)