



NHR @ ISC'23: Visit us in the exhibition hall at our booth #K 1004, or listen to our speakers:

Online Seminar:

Thursday, 11.05.23

2.00-6.00 p.m. online	Beginner's Introduction to Node-Level Computer Architecture and Performance	Georg Hager	NHR@FAU
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Tutorials:

Sunday, 21.05.23

9.00 am – 1.00 pm Hall Y6, 2nd floor	Advanced OpenMP: Performance and 5.2 Features	Christian Terboven	NHR4CES
9.00 am – 1.00 pm Hall Y9, 2nd floor	Quantum Machine Learning	Christian Boehme, Patrick Gelß, Tino Meisel, Robert Schade, Zarin Shakibaei, Lourens van Niekerk	NHR@ZIB NHR@Göttingen

Research Posters:

 Foyer D-G - 2nd Floor

Monday 22 – Wednesday 24, 3.00 - 5.00 p.m. Pitch Session Tuesday 2.30 3:30 p.m.

Best Poster Finalist: Race: Speeding Up Sparse Iterative Solvers Using Cache Blocked Matrix Power Kernels, Christie Alapat, NHR@FAU

HPCSerA - A RESTful API for HPC Systems, Christian Köhler, NHR@Göttingen

Making Applications Run Faster By Slowing Down Processes? Georg Hager, NHR@FAU

Birds of Feather:

Tuesday, 23.05.23

10:15 – 11:15 am Hall E – 2nd Floor	Understanding the Skills and Pathways Behind Research Software Training	Anja Gerbes, NHR@TUD
1:50 – 2:50 pm Hall E, 2nd floor	The HPC PowerStack: A Community-Driven Collaboration Toward Power-Aware, Energy-Efficient, and Sustainable HPC in the Exascale Era	Jan Eitzinger, NHR@FAU,

Wednesday, 24.05.23

10.30 – 11.30 am Hall F, 2nd floor	BoF: IO500: The High-Performance Storage Community	Julian Kunkel	NHR@Göttingen
1.00 – 2.00 pm Hall F, 2nd floor	Securing HPC Without Air Gapping - (SHAG)	Trevor Khwam Tabougua, Julian Kunkel	NHR@Göttingen

Workshops

Thursday, 25.05.23

9.00 a.m. – 6.00 pm Hall Y2, 2nd floor	HPC I/O in the Data Center	Julian Kunkel	NHR@Göttingen
9.00 am to 1:00 pm Hall y3 – 2nd floor	7th Workshop on In Situ Visualization, Talk: A Case Study on Providing Accessibility-Focused In-Transit Architectures for Neural Network Simulation and Analysis	Speaker: Marcel Krüger	NHR4CES
9:00 am to 6:00 pm Hall Y4 – 2 nd floor	2nd Workshop on Communication, I/O, and Storage at Scale on Next-Generation Platforms - Scalable Infrastructures	Speaker: Thomas Steinke	NHR@ZIB



NHR-Sofa-Talks, Exhibition Hall, Booth #K 1004

Monday, 22.05.23

15:15-16:15 HPC Certification, Julian Kunkel (NHR@Göttingen)

16:30-17:30: Visualization; Tim Gerrits (NHR4CES@RWTH)

Tuesday, 23.05.23

10:00-11:00: National HPC-Centres; NHR-Geschäftsstelle (Dörte Sternel)

11:30-12:30: Cluster Cockpit; Jan Eitzinger (NHR@FAU)

12:45 -13:45: Efficient Computing and AI; Charlotte Debus (NHR@KIT)

14:00-15:00: Benchmarking & TCO; Christian Terboven (NHR4CES@RWTH)

15:15 - 16:15 NHR Data Management – Hendrik Nolte, GWDG

16:45-17:45: Jupyter HP-Infrastruktur, Elias Werner, NHR@TUD/ScaDS.AI

16:45-17:45: Security, Trevor Khwam Tabouga, GWDG

Wednesday, 24.05.23

9:00-10:00: Organisation Support: Tickets, Organisation, Arbeitsteilung; Georg Hager

10:00-11:00: Quantum Computing, Christian Boehme, wg. notwendiger Pause

11:00-12:00: Likwid; Thomas Gruber (NHR@FAU)

12:30-13:30: Softwarelizenzen in NHR; Benjamin Juhl (NHR4CES@TUDa)

13:45-14:45 Programming Model Dev., Marc-André Hermanns (NHR4CES@RWTH)

13:45-14:45: Containers, Timon Vogt, GWDG