



HPC User Forum Agenda

87th HPC User Forum

October 24 & 25, 2024 – HLRS/University of Stuttgart
Meeting Address: Nobelstrasse 19

Thursday, October 24, 2024

- 12:00 Lunch
- 13:00 Welcome/Introductions
- Bastian Koller & Michael Resch, HLRS, Rupak Biswas and Earl Joseph
 - HPC/AI Market Update, Earl Joseph, Hyperion Research
- 13:30 Welcome and Update on the German HPC/AI Strategy, VDI/VDE speaking on behalf of the German Ministry of Science and Education, the Funding Agency
- 13:45 Update on HLRS, Bastian Koller, HLRS
- 14:15 Perspective on the HPC Community, Michael Resch, HLRS/University of Stuttgart
- 14:45 Break
- 15:15 Industrial Panel on Using HPC & AI
- TRUMPF, Martin Barthau
 - NCSA and Industry, Brendan McGinty
 - Seedbox, Dennis Dickmann
 - SSC-Services, Marvin Hubl
- 16:30 HPC and QC at NASA, Rupak Biswas, NASA
- 17:00 Vendor Update: Lenovo
- 17:15 ECMWF Computing Site Update, Oliver Treiber
- 17:45 Vendor Update: Dr. Tommaso Macri, QuEra
- 18:00 Networking Time & After-Meeting Socializing; Optional CAVE demo

Friday, October 25, 2024

- 8:15 Arrival coffee
- 8:25 Welcome/Logistics
- 8:30 Fortissimo Plus (FFplus) Program Update
- 9:00 GenAI Startups, Using HPC & AI in Industries: Seedbox, Dennis Dickmann
- 9:30 Vendor Update: Xiuxing Xie, KAYTUS
- 9:45 HPC site updates:
- NCAR, Thomas Hauser
 - Isambard-AI: Delivering Leadership-class AI Applications, Prof. Simon McIntosh-Smith, University of Bristol / Isambard-AI
 - ALCF Resources and Argonne Initiatives in AI for Science and Integrated Research Infrastructure, David Martin, Argonne National Laboratory
- 10:50 Accelerating Graph Neural Networks, Siegfried Benkner, University of Vienna
- 11:15 Vendor Update: Standards-based Data Platforms for HPC & AI, Floyd Christofferson, Hammerspace
- 11:25 Break
- 11:45 HPC site updates (continued):
- Digital Twins of the Universe, Professor Mark Wilkinson, DiRAC
 - UIBK, Dr. Peter Thomas
- 12:45 The Use of Quantum Computing Around the World, Bob Sorensen, Hyperion Research
- 13:15 Meeting Wrap-up and Plans for Future HPC User Forum Meetings, Bastian Koller, Michael Resch, Rupak Biswas and Earl Joseph
- 13:25 Meeting Ends
- 13:30 Lunch