



October 7th and 8th Paris, France

90th HPC User Forum Agenda



Tuesday, October 7th

9:00 - 10:00 **Registration and Coffee**

10:00 - 10:30 **Welcome/Introductions**

- Jean-Philippe Nominé, Jacques-Charles Lafoucriere, CEA-DAM, Piyush Mehrotra, Rupak Biswas and Earl Joseph
- HPC Market Update, Earl Joseph, Hyperion Research

(Session Leader: Piyush Mehrotra)

10:30 - 12:30 **New Developments in HPC and AI**

- CEA Site Update, Gilles Wiber, Deputy Head to the HPC Division at CEA-DAM
- Getting France Ready for Exascale Computing and AI, Stéphane Requena, CTO - GENCI
- Using Exascale From an Application Point of View, Martin Berzins, University of Utah
- Vendor Update, QuEra
- Argonne Site Update, David Martin, Manager, Argonne National Laboratory
- Beyond Computing Limits: The AI Journey at CINECA, Daniele Cesarini, Project Manager & HPC Technology Specialist at CINECA

12:30 - 13:30 **Lunch**

(Session Leader: David Martin, Argonne National Laboratory)

13:30 - 15:00 **New Developments in HPC and AI**

- EuroHPC and AI Factories, Josephine Wood, EuroHPC JU, Head of Unit Strategy and Governance
- Vendor Update, Hammerspace
- HPC at ECLAIRION, Arnaud Lépiniois, Group CEO, HPC Capital & Eclairion
- Vendor Update, Eviden

15:00 - 15:15 **Coffee Break**

15:15 - 18:00 **Exascale Computing and Beyond**

- JUPITER State of Matters, Benedikt von St. Vieth, Head of Division HPC, Cloud and Data Systems and Services, and Thomas Eickermann, Deputy Director of JSC, Head of Division Communication Systems and Services
- Vendor Update 4
- CERN Open Lab Update, Maria Girone, CERN
- History And Lessons Learned from the ECP Project, Doug Kothe, Oak Ridge National Lab (Former Director of the DOE's Exascale Computing Project)
- Japanese Vision on Post-exascale, Satoshi Matsuoka, RIKEN Center for Computational Science
- Exascale Panel: What Comes After Exascale?
 - Doug Kothe, US DOE
 - Satoshi Matsuoka, RIKEN
 - Prof. Dr. Estela Suarez, Jülich Supercomputing Centre
 - Maria Girone, CERN

18:00 - 19:00 **Aperitifs**

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Wednesday, October 8th

8:00 - 8:30 **Registration and Coffee**

8:00 - 8:05 **Welcome and Meeting Logistics**

(Session Leader: Rupak Biswas, NASA)

8:05 - 10:15 **Application Domain: AI for Health and Humanities**

- AI at Bristol, Dr Sadaf R. Alam is the University of Bristol's Director of Advanced Computing Strategy
- Assessing the Psychological Nature of Large Language Models, TBD
- Towards a Reliable AI Infrastructure For Health Research in France, Dr. David Morquin, ERIOS-CHU Montpellier
- Vendor Update, Alice and Bob
- Quantum Benchmarks BACQ, Frédéric Barbaresco, Senior THALES Expert in Artificial Intelligence at the Technical Department of THALES Land Air Systems

10:15 - 10:30 **Coffee Break**

(Session Leader: Emmanuelle Vergnaud (Teratec))

10:30 - 12:30 **Quantum Computing**

- Quantum TGCC RUBY, CEA
- HPC-Quantum Computing: Challenges in Adoption and Accessibility, Ariana Torres Knoop, Lead Quantum Computing SURF
- Quantum Market Update, Bob Sorensen, Hyperion Research
- Vendor Update, Parallel Works
- Making Quantum Count: An Industrial Application to Drive Value, Emanuele Marsili, Quantum computing Scientist at Airbus
- Quantum Applications at NASA, Rupak Biswas, NASA

12:30 - 12:35 **Closing Remarks CEA and HPC User Forum**

12:35 - 13:30 **Lunch**

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