



October 7th and 8th Paris, France

90th HPC User Forum Agenda

Institut Imagine: 24, boulevard du Montparnasse, Paris



Tuesday, October 7th

9:00 - 10:00 Registration and Coffee

10:00 - 10:30 Welcome/Introductions:

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

(Session Leader: Piyush Mehrotra)

New Developments in HPC and AI, Part I:

10:30 - 11:00 CEA Site Update, Gilles Wiber, Deputy Head to the HPC Division at CEA-DAM

11:00 - 11:30 Getting France Ready for Exascale Computing & AI, Stéphane Requena, CTO-GENCI

11:30 - 11:45 Vendor Update, Tommaso Macri, QuEra

11:45 - 12:15 Beyond Computing Limits: The AI Journey at CINECA, Daniele Cesarini, Project Manager & HPC Technology Specialist at CINECA

12:15 - 13:30 Lunch

(Session Leader: David Martin, Lawrence Berkeley National Laboratory)

New Developments in HPC and AI, Part III:

13:30 - 14:00 EuroHPC and AI Factories, Josephine Wood, EuroHPC JU, Head of Unit Strategy and Governance

14:00 - 14:20 The Network as a Scientific Instrument, David Martin, Science Engagement Engineer, ESnet, Lawrence Berkeley National Laboratory

14:20 - 14:50 HPC at ECLAIRION, Arnaud Lépine, Group CEO, HPC Capital & Eclairion

14:50 - 15:05 Vendor Update, Bruno Lecointe, Eviden

15:05 - 15:30 Coffee Break

(Session Leader: Jean-Philippe Nominé, CEA)

Exascale Computing:

15:30 - 16:00 JUPITER State of Matters, Benedikt von St. Vieth, Head of Division HPC, Cloud and Data Systems and Services

16:00 - 16:30 History and Lessons Learned from the ECP Project, Doug Kothe, Oak Ridge National Lab (Former Director of the DOE's Exascale Computing Project)

16:30 - 16:45 Vendor Update, Matthew Shaxted, Parallel Works

16:45 - 17:15 Japanese Vision on Post-exascale, Satoshi Matsuoka, RIKEN Center for Computational Science *(live remote presentation)*

17:15 - 18:00 Exascale Panel: What Comes After Exascale? *(Moderator: Earl Joseph)*

- Doug Kothe, US DOE
- Satoshi Matsuoka, RIKEN
- Prof. Dr. Estela Suarez, Jülich Supercomputing Centre
- Dr. Sadaf R. Alam, The University of Bristol's Director of Advanced Computing Strategy
- Daniele Cesarini, Project Manager & HPC Technology Specialist at CINECA

18:00 - 19:00 Aperitif

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Wednesday, October 8th

8:00 - 8:25 Registration and Coffee

8:25 - 8:30 Welcome and Meeting Logistics

(Session Leader: Rupak Biswas, NASA)

8:30 - 9:00 Developing a Sustainable UK AI Research Resource: Isambard-AI One Year On,
Dr. Sadaf R. Alam, The University of Bristol's Director of Advanced Computing Strategy

9:00 - 9:30 From Data to Decisions: AI and High-Performance Computing in Modern Care,
Prof. David Morquin, MD, PhD, CHU de Montpellier (Montpellier University Hospital),
ERIOS-CHU Montpellier

9:30 - 9:45 SiPearl Update, Craig Prunty, SiPearl

9:45 - 10:15 Using Exascale from an Application Point of View, Martin Berzins, University of Utah

10:15 - 10:30 Coffee Break

(Session Leader: Emmanuelle Vergnaud (Teratec))

Quantum Computing:

10:30 - 10:55 Quantum Benchmarks BACQ, Damien Nicolazic, Quantum Computing Engineer,
EVIDEN

10:55 - 11:20 Quantum TGCC RUBY, Jean-Philippe Nominé, CEA

11:20 - 11:35 Vendor Update, Rémi de La Vieuville, Alice and Bob

11:35 - 12:00 HPC-Quantum Computing: Challenges in Adoption and Accessibility, Ariana Torres
Knoop, Lead Quantum Computing SURF

12:00 - 12:25 Making Quantum Count: An Industrial Application to Drive Value, Akshat Tandon,
AI Researcher (QML Lead), Airbus AI Research

12:25 - 12:50 Quantum Applications at NASA, Rupak Biswas, NASA

12:50 - 12:55 Closing Remarks, CEA and HPC User Forum

12:55 - 13:40 Lunch

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