



Forum **TERATEC** **23**

Unlock the future

31 MAI & 1^{er} JUIN 2023 • Au Parc Floral, Paris

Un événement organisé par

 **infoprodigital**





Trends in supercomputing architectures in the exascale era: heterogeneity, modularity, disaggregation



**EUROPEAN TECHNOLOGY
PLATFORM FOR HIGH
PERFORMANCE COMPUTING**

A blurred photograph of a modern office or conference hall with people walking. The image is overlaid with a semi-transparent white box containing the text "Unlock the future".

**Unlock
the future**

Workshop chairs



Pascale Bernier-Bruna



ETP4HPC / Eviden

- ETP4HPC
Communication
Manager / Eviden
Communication
Manager in charge of
collaborative projects

Jean-Philippe Nominé



**• ETP4HPC /
CEA**

- CEA HPC Fellow
- HPC Strategic
Collaborations
Manager
- CEA Simulation and
Information
Sciences Division

Enguerrand Petit



Intel

- Industry Technical
Specialist HPC & AI



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|-------|---|---|---|--|
| 09:30 | Introduction | | Pascale Bernier-Bruna | |
| 09:35 | JUPITER - The path to Exascale in Europe |  | Benedikt Von St. Vieth Head Of Division High-Performance Computing Systems | Forschungszentrum Jülich Jülich Supercomputing Centre (JSC) |
| 10:00 | Architecture, management and administration of large supercomputing centres and of their software stack: CEA approach on the path to Exascale |  | Gilles Wiber Head of the HPC System and Networks Department, CEA Jean-Philippe Nominé | CEA |
| 10:20 | Extreme scale dataflows in the compute continuum for the next generation of giant astronomical observatories |  | Damien Gratadour Senior research scientist | CNRS - Observatoire de Paris |
| 10:45 | Specialized Architectures and Computational Pipelines |  | Romain Klein Technical Director EMEA | Rescale |
| 11:10 | BREAK | | | |
| 11:30 | Modularity and disaggregation: vision, utility and consequences |  | Jean-Laurent Philippe CTO Intel EMEA | Intel |
| 11:55 | The Computing Continuum, a vision for post-exascale High Performance Computing |  | Jean-Pierre Panziera Chief Technology Director for High Performance Computing | Eviden, an Atos business |
| 12:20 | The emergence of HPC new technologies, new constraints and different deployment environments: an opportunity for modular and/or disaggregated systems |  | Xavier Le Vaillant Industry Technical Specialist HPC & AI | 2CRSI |
| 12:45 | Q&A, conclusion | | Enguerrand Petit Jean-Philippe Nominé Pascale Bernier-Bruna | |

COFFEE BREAK

**We start again at
11:30**





Question time

Thank you to our speakers!

