



Press release

Paris, June 22, 2026

Teratec Forum 2026: HPC, Simulation, AI, Quantum Computing – the conference programme is taking shape

20 & 21 October 2026 – Palais des Congrès de Paris



At a time when Europe's industrial competitiveness and digital sovereignty hinge on mastery of high-performance computing technologies, the Teratec 2026 Forum brings together key players in HPC, numerical simulation, AI and quantum computing on 20 and 21 October at the Palais des Congrès in Paris. Its programme, comprising six workshops, three round-table discussions and keynote speeches, is underpinned by a central conviction: AI is no longer merely a subject of research; it is an operational tool whose mastery – in terms of accuracy, trust and sovereignty – determines the performance of organisations.

A forum at the heart of strategic issues

On 22 May 2026, Emmanuel Macron announced at the CEA's Très Grand Centre de calcul (in Bruyères-le-Châtel) an additional investment of 1.55 billion euros in quantum technologies and semiconductors through France 2030, bringing the total national investment in quantum technology to nearly 4 billion euros. Five months later, the Teratec Forum 2026 will bring together the key players who are actively driving this effort forward.

“The investment announced by the President of the Republic sends a strong signal: HPC, AI and quantum computing have become matters of national and European sovereignty. This is precisely the conviction that has driven the Teratec Forum since its creation 20 years ago. This 2026 programme, with its experts, hardware, application and service providers, users across all industries, research laboratories and institutions, is a concrete demonstration of this,” says Patrice Perret-Herscovici, CEO of Infora Events.

AI in industry: accuracy, trust and deployment

Several sessions explore the practical integration of artificial intelligence into industrial and scientific processes and examine the conditions under which it can be relied upon.

● Trust in high-performance computing: ensuring accuracy in the age of AI- 20 Oct, 4.00 pm

Chaired by Norbert Bourneix (Safran) and Pierre Louat (Synopsys)

Featuring: Christophe Calvin (CEA), Bruno Gaudin (Synopsys), Bruno Lathuillière (EDF), Damien Laval (Naval Group), Théo Mary (LIP6), Renaud Mercier (Safran), Pablo De Oliveira Castro (UVSQ), Augustin Parret Freaud (Safran)

In the age of AI, HPC must adapt to reconcile its growing needs for computing power and precision. The workshop will provide an overview of the key challenges in numerical quality and explore ways to ensure the robustness of simulations and harness mixed-precision computing.

● AI in industry: from design to production - 20 Oct, 4.00 pm

Chaired by Mathilde Mougeot (enSIIE & ENS Paris Saclay) and Vivien Clauzon (Michelin)

Featuring: Cyril Baudry and Nicolas Bousquet (EDF), Laurent Di Valentin (Stellantis), Aurélie Lecain (L-Acoustics), Jayant Sen Gupta (Airbus AI Research), Olivier Vo Van (SNCF)

From design to production, this workshop explores the practical integration of AI into industrial processes. It covers the design, simulation, validation, production and deployment

of models. Feedback from real-world experience to understand the challenges of performance, trust and implementation.

• **Edge-to-Super Computing : Strengthening Scientific Research and Digital Twins - 21 Oct, 9.00 am**

Chaired by Christelle Piechurski (Nvidia) and Stéphane Requena (GENCI)

With: François Bodin (IRISA), Damien Gratadour (CNRS), Lionel Matias (Thales), Huw Day (University of Bristol)

This workshop will highlight innovations related to the integration of Edge, AI and HPC, a key driver for scientific research and digital twins. It will address the challenges and opportunities in this field and present hybrid architectures designed to optimise simulations and decision-making.

Technological sovereignty and defence

Technological mastery and defence issues form a significant part of the programme, covering topics such as European quantum strategy, critical systems and data protection.

• **Technological independence/mastery and data protection - 20 Oct, 10.10 am**

Featuring: Cristos Datiskas (Programme Manager, EuroHPC), François Pellegrini (Professor, University of Bordeaux), Bruno Lecointe (Senior Vice-President, Head of HPC, AI, and Quantum, Bull), Sylvain Mousset (Head of the Technologies & Innovation Office, ANSSI) and Thierry Betmont (Technical Director, Thales Digital Services).

This round-table discussion will examine choices regarding architecture, software, hardware and data management that enable a balance between security, innovation and competitiveness. The discussions will also address the role of international cooperation and standards in this context.

• **Quantum Computing in Europe: Cross-cutting Strategies and Synergies - 20 Oct, 16.00**

Chaired by Loïc Le Loarer (SGPI), Jean-Philippe Nomine (CEA) and Emmanuelle Vergnaud (Teratec)

This workshop will provide an overview of developments in the European framework supporting quantum computing. Drawing on presentations of various national situations and strategies, it will enable participants to identify and discuss possible avenues for strengthening, alignment and collaboration to make Europe a major player in quantum computing

- **Defence AI: from engineering to critical operational systems - 21 Oct, 9.00 am**

Chaired by Patrick Fabiani (Dassault Aviation) and Thierry Collette (Thales)

Featuring: Mickaël Brossard (Thales), Loïc Cudennec (AMIAD), Martin de Gourcuff (Harmattan AI), Patrick Fabiani (Dassault Aviation), Bruno Ricaud (KNDS France), Sébastien Rousset (Naval Group)

This workshop will explore the integration of AI into defence systems, from engineering to the operational environment. It will address issues of robustness, trust and deployment in command support or in complex, highly constrained collaborative environments. It will shed light on the ethical, legal and technological frameworks required for controlled and supervised operational AI.

Regions, climate and skills

Other sessions broaden the discussion to include the applications of high-performance computing in regional development, the environment and skills development.

- **Smart cities and regions: the role of AI, from models to the frontiers of physics and high-performance computing - 21 Oct, 9.00 am**

Chaired by Paco Chinesta (ENSAM) and Dominique Baillargeat (CNRS & CREATE)

Workshop with: Armand Albergel (Suez), Gustavo Boriolo and Christophe Lienard (Bouygues), Mathieu Bredif (IGN), Daniele Di Lorenzo (Duoverse), Romain Chassagne (BRGM).

Workshop round table with: Martin Canter (FARI – AI for the Common Good Institute, Brussels), Gilles Grandjean (BRGM), Charlotte Halpern (Sciences Po), Franck Poquin (Angers Departmental Council)

This workshop will explore digital twins to optimise cities and regions using AI, physical models and HPC. It will address the management of complex systems, from optimisation to crisis management. A discussion among stakeholders to reconcile technological performance with societal acceptability.

- **Environment, Climate & Risks - 21 Oct, 14.00 pm**

With: Catherine Lambert, President, CERFACS; Philippe Drobinsky, Research Director, CNRS; Matthieu Secher, Research Engineer in Hydraulics and Sedimentology, EDF

This round table highlights the role of HPC, AI and data in the analysis, prevention and management of natural disasters. It will draw on real-world examples to stimulate discussion amongst stakeholders in the field. A debate will focus on the actions to be taken and the progress expected in addressing environmental challenges.

● **Acculturation, training, transformation: three key areas of focus in the digital age –**
20 Oct, 2.00 pm

Featuring: Féthi Ben Ouezdou, Director of the Aix-en-Provence Campus, ENSAM; Philippe Wiczorek, MIAI cluster director, Université Grenoble-Alpes; Frédéric Gimenez, CDO & Digital Factory Managing Director, TotalEnergie, and Valentin Delis, Senior Lecturer, ensIEE

In the face of the rapid growth of digital technology, AI and quantum technologies, training and acculturation are becoming strategic priorities for citizens, businesses and public authorities. This round-table discussion will explore the new learning models required to support technological and societal transformations. Schools, regional authorities, institutions and industry representatives will share their initiatives to develop skills, inspire careers and accelerate organisational transformation. A forward-looking discussion on the human and educational challenges of the digital revolution.

Information :

Forum Teratec - 20 et 21 octobre 2026
Palais des congrès - Paris

<https://forum-teratec.com/>

Program : forum-teratec.com/conferences/conferences/

About the 21st edition of the Teratec Forum

The Teratec Forum is the annual gathering for stakeholders in the high-performance computing sector in France and Europe. Every year, it brings together researchers, industry representatives, institutions and start-ups to discuss issues relating to HPC, numerical simulation, artificial intelligence and quantum computing. Created by the Teratec association and co-organised with Infora Events, it serves as a leading platform for scientific exchange, technology demonstrations and collaboration opportunities.

Press agency - Earlycom for Forum Teratec 2026

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