



TERATEC Forum 2013

JUNE 25 & 26, 2013 - ECOLE POLYTECHNIQUE - PALAISEAU, FRANCE - 8th EDITION

**THE INTERNATIONAL MEETING FOR SIMULATION
AND HIGH PERFORMANCE COMPUTING**

TERATEC FORUM 2013: HPC AT THE HEART OF INNOVATION

More than ever, numerical simulation has become a source of leverage for corporate innovation and competitiveness. The increasing numbers of applications and ever-easier access have led to a "democratization" of high-performance computing.

The 8th Teratec Forum, which has just come to a close, confirmed the strategic importance of HPC in the industrial and service sectors, and its expansion to small and medium enterprises.

Everyone involved in high-performance simulation, from major operators and simulation companies to the government, users, and small businesses, officially endorsed its important role. Meanwhile, General Commissioner for Investments Louis Gallois defined high-performance simulation as a strategic priority for investing in the future of digital technologies.

"Numerical technology is one of the highest investment priorities for the future," stated Louis Gallois at the plenary session closing, *"And high-performance computing and simulation are at the core of this priority."*

"Numerical simulation is one of the key factors for a productive recovery in France," added Gérard Roucairol, president of Teratec. *"France is in an exceptionally strong position; an unprecedented concentration of skills can be found within its borders, covering the entire value chain from hardware to software applications,"* he concluded.

The plenary sessions on the first day opened with a broad forecast by Stanford professor Charbel Farhat.



Charbel FARHAT, Stanford University

During these sessions, the accomplishments and expectations of the most advanced users were considered in light of the strategies of technology suppliers. On the second day, the various workshops demonstrated the importance and diversity of HPC applications in a wide range of fields.

Large companies like Airbus, Air Liquide, EdF, Michelin, Total, and Unilever, major organizations including the US Department of Energy (DoE), EBI (European Bioinformatics Institute), and CERN, and many technology companies (Allinea, Bull, Enginsoft, Intel, SAP, etc.) presented their vision and initiatives in these fields.

Several major themes were analyzed in great depth, such as HPC in healthcare with the participation of professors Le Bihan (NeuroSpin) and Soler (IRCAD), hardware simulation with contributions from the CEA and CECAM, complex systems, sustainable cities, and Big Data (using intensive computing to process very large volumes of data), with certain workshops drawing audiences of more than 200 enthusiastic participants.

As each year, Scilab Enterprises gathered its users together for the ScilabTEC event.



(Crédit photos CEA/CADAM)

Finally, nearly **1,100 professional attendees** have participated in the various sessions and visited the main exhibit hall to learn about the products and services offered by 65 exhibitors, software publishers and manufacturers, service companies, laboratories and professional organizations, who presented their most recent innovations over the 2 days, giving a comprehensive overview of a rich and constantly improving range of solutions.

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**Note your next Rendez-vous
Teratec Forum, in June 2014**



**All information on: Forum Teratec
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