



**THE INTERNATIONAL MEETING FOR HPC, BIG DATA AND SIMULATION**

## **TERATEC FORUM 2016: PACKED WITH EVENTS!**

The **TERATEC Forum** has just closed its doors at the Ecole Polytechnique after two particularly rich and intense days: visitors and conference attendees filled the aisles and lecture halls to meet the market players and, during the plenary sessions and technical workshops, review the latest trends in HPC, Big Data and Digital Simulation.

During the opening of the plenary sessions Thierry Mandon, Secretary of State for Higher Education and Research, stressed the "*major importance of mastering HPC and digital simulation technologies for research and for the economy*"...following on from Jean-Claude Juncker, President of the European Union who, in 2015 at the Elysée, reminded us of "*the power of mega data and high performance computing, as catalysts for economic growth, innovation and digital conversion in all economic sectors and for businesses of every size*".



Thierry MANDON



The plenary sessions

**Mission accomplished for the 2016 TERATEC Forum which, over two intense days, held an array of events:**

- **The plenary sessions** stood out by the diversity of their speeches, with major industrial users and suppliers on the one hand (CGG, Michelin, Amazon,...) and, on the other hand, eminent scientists (David Keyes, Valérie Masson-Delmotte) - not to mention the SMEs, with the Optis speech and the SIMSEO presentation, the national programme aimed at SMEs and intermediate-sized businesses (ETIs) for the use of digital simulation.
- **The workshops were a great success**, reviewing emerging technologies (virtualisation, data analytics, connected objects, specialised computing architectures) and new application areas (agriculture, health, materials, multimedia) for HPC, simulation and Big Data. It was the perfect opportunity for the audience to forge links, sharing both experiences and solutions, with research centres or industrial partners.
- During an evening event, **the 2<sup>nd</sup> Digital Simulation Awards** rewarded the champions of digital simulation.
  - The **Start-up Award** was given to **REALIZ3D** for its tablet 3D model.

- The **SME Award** was received by **NEXIO** for its clean technology to facilitate the use of electromagnetic simulation.
- The **Innovation Award** was attributed to **NUMTECH** for its quality measurement and forecasting service of "our air".
- The **Big Business/SME Collaboration Award** was given to **ONERA** and **ANDHEO** for their intelligent coupling method between thermal/fluid simulation codes.
- The **Simulation Grand Prize** was awarded to **DIOTA**, who proposed augmented reality for industrialists.
- The **Simulation Personality Award** was given to **Jean Gonnord**, former head of the CEA digital simulation programme, who is heavily involved in the European HPC and Big Data plans.



*The winners of the 2016 Awards*



*The exhibition*

- **The exhibition**, where there were over 70 exhibitors including many newcomers, was an opportunity to discover the latest developments in technological solutions and services. Of note were the themed areas such as the **European Research Café**, whose aim was to give visibility to European HPC projects: from new architectures (Mont Blanc and FIPS/M2DC projects), software-oriented projects (COLOC) to projects assisting the parallelisation of code (POP project) and cross-disciplinary measures for the development of a European HPC strategy (EXDCI project). Over these two days, **the SimSEO area** presented the different components that make up its simulation dissemination programme in France. Taking place before a panel of entrepreneurs, awareness-raising sessions underlined the importance of these technologies focussing on the challenges and use of digital tools in the manufacturing and construction industries, and the evolutions that today make them more accessible to businesses of all sizes.

G rard ROUCAIROL, President of Teratec, ended his speech on the importance of the announcement by the European Commission of a major programme on HPC/Big Data convergence, the acceleration of applications and uses and on the future prospects of high performance computing beyond the Exaflop.

As is the case each year, the Teratec Forum therefore fulfilled its role of revealing trends in high performance computing, digital simulation and Big Data.

## YOUR NEXT MEETING



**27 & 28 June 2017**  
**Ecole Polytechnique - Palaiseau**

Exhibition press release on: [Teratec Forum](#)

PRESS contact: [Colette REY](#)  
 Tel.: +33 (0)9 51 70 20 57  
 Mobile: +33 (0)6 14 73 97 43  
 Email: [colette.rey@c-reycom.com](mailto:colette.rey@c-reycom.com)

TERATEC contact: [Jean-Pascal JEGU](#)  
 Tel.: +33 (0)9 70 65 02 10  
 Mobile: + 33 (0)6 11 44 49 59  
 Email: [jean-pascal.jegu@teratec.fr](mailto:jean-pascal.jegu@teratec.fr)