

Previewing the 14th Forum Teratec, exhibitors will present their latest innovations: the future is being invented today!
Meet us at the Ecole Polytechnique in Palaiseau

<http://www.teratec.eu/forum/>

In addition to plenary conferences, roundtables and workshops, networking moments and awarding of Trophies, the Forum Teratec is also an exhibition area hosting nearly 70 exhibitors who will present their latest innovations in Big Data, Artificial Intelligence and Simulation in preview.

Bruyères-le-Châtel, June 04, 2019 – Latest new technologies that will be at the heart of our daily lives in the near future are emerging today. For 14 years, the big names in industry and digital technology as well as innovative startups have been meeting at Forum Teratec to present and exchange on their projects.

This year, they will be there again to present the following new products in preview:

- ✓ **ACTIVEEON** : Activeeon has been awarded the “Innovation Open Source software Prize” for its scalable and elastic solution leveraging cloud capacity, in December 2018. Major announcement of June 2019: INRA announces the acceleration of metagenomic analysis on a dynamic resource pool up to 1,000 virtual cores with Activeeon. See the video
- ✓ **ALDWIN-ANEO** : The development of a new drug is a long and costly process. Accelerating this process and reducing costs is therefore a major challenge. At Forum TERATEC 2019, we will show how the combination of remote visualization and cloud computing allows (us) to overcome these limitations and reduce the time for result acquisition while improving the user experience.
- ✓ **AMIES** : AMIES boosts, supports and enhances scientific collaborations between companies and departments of French mathematics laboratories. Mathematics indeed leads to innovations of numerical economy and Industry 4.0.
- ✓ **ATOS** : **NEW: myQLM** – the myQLM program is a python environment that enables quantum computing researchers, students and developers to develop and simulate quantum programs on their own desktops (or, workstations), in order to democratize access to quantum simulation and encourage innovation in quantum computing.
- ✓ **COMSOL** : Comsol launches –COMSOL Compiler™ and Comsol Client: COMSOL Compiler™ gives specialists the freedom to distribute their simulation applications through standalone executable files. COMSOL Client for Android™ allows engineers, scientists, and students to run simulation applications from an Android™ device.
- ✓ **CYLLENE** : The Group is in attendance to Forum Teratec next to its partner IBM showcasing this new solution and its consistent integration in Cyllene global offer with roll out of a computing platform allowing Group’s Clients to favor artificial intelligence projects. Based on IBM AC922 technology, it offers a perfectly adapted calculation speed to Deep & Machine Learning projects and permits (or, brings) pricing range flexibility without users have to care about administration or tools implementation.
- ✓ **EMG2 – BITTWARE** : Meeting the needs of high-performance computing, EMG2 (www.emg2.com) and BittWare/Molex (www.bittware.com) offer innovative hardware acceleration solutions using FPGA technology. Our enterprise-class PCIe boards and TeraBox FPGA servers feature Intel and Xilinx technology, bringing extreme computing capabilities such as 100+ Gb/s networking and interconnect,

board memory (DDR4/QDRII), and on-package HBM2. Used along with CPU/GPU for a heterogeneous solution, or as an alternative, our FPGA solutions can be tailored to specific application requirements.

- ✓ **FMJH** : Fondation Mathématique Jacques Hadamard was established in 2010 as part of *Programme d'Investissements d'Avenir*. Its role is to support and organize mathematical research and education on the Saclay campus. You are welcome to use FMJH's platform to publish your offers of internships, PhDs research contracts and jobs. It will help you recruit high profile mathematicians (400 per year at Master's level, 80 per year at PhD level). FMJH's sponsoring program PGMO, presently focused on optimization and data science, invites you to join with your own research initiative. In 2016, PGMO was awarded the AEF prize for University-Enterprise cooperation, in the Research-Innovation category.
- ✓ **IFP Energies Nouvelles** : IFPEN and Convergent Science Inc. (CSI), partnering since 2015, have developed **CONVERGE, an innovative software dedicated to the simulation of two-phase reactive flows** that allows, in particular, to accurately simulate combustion in gasoline or diesel internal combustion engines. Aimed at helping users, **IFPEN and ATOS/BuLL have developed a free SaaS (the DataFuelFactory)** to generate a set of data liaised with the use of new generation fuels (Bio-fuel, Ethanol, hydrogen, etc.), all necessary for simulation. This SaaS gives automotive manufacturers access to IFPEN's know-how in the characterization and modeling of new-generation fuels.
- ✓ **TECHNICAL SYSTEMS INTEGRATORS : High Performance Computing as a Self-Service (HPCaaS™)**: Self-Service Portal and PCIe HPC Network Framework for HPC Infrastructure Lifecycle Management, Commissioning and Orchestration (PCIe) of Layer 0 through Layer 7 will be introduced. .
- ✓ **TWEAG** : Founded by compiler writers, mathematicians and distributed systems experts from academia, Tweag is an Everything as Code company. With Nix, we are keen to bring to HPC the increased development velocity and reduced cost of container-based programming without induced performance losses.
- ✓ **UCIT** : We will present for the first time on our booth the new version of our flagship software Analyze-IT. This innovative tool processes the logs from clusters and provides more than a hundred key metrics allowing you to see how they are used and how they perform, with a deep insight into their current state – contention, congestion – over time, as well as on users' behavior. From such analysis, our team can assist you with the optimization of your present cluster as well as sizing evolutions it will require.

Not to be missed: 2CRSI - ALTAIR ENGINEERING - ANSYS - AS PLUS GROUPE EOLEN - ATEMPO - BECHTLE DIRECT - CRAY COMPUTER - DDN STORAGE - DELL EMC - ESI GROUP - EUROPEAN HPC CENTRES OF EXCELLENCE - EXASCALE COMPUTING RESEARCH LAB - FUJITSU SYSTEMS Europe - GENCI - HEWLETT PACKARD ENTERPRISE - INRIA - INTEL - LEGATO Project - MELLANOX TECHNOLOGIES - MICRO SIGMA - MICROSOFT - MINES PARISTECH - MSC SOFTWARE - NEC - QUOBYTE - WESTERN DIGITAL - NUMSCALE - NVIDIA - OPENIO - PARATOOLS - PNY TECHNOLOGIES - RESCALE - SAFRAN ENGINEERING SERVICES - SUSE SOFTWARE - TOTALINUX - T-SYSTEM - XILINX and all new projects highlighted in the European Research Café area.

To discover all of these new features, your visit to the 14th Forum TERATEC is essential. **A shuttle bus will be at disposal for journalists upon request.**

Feel free to let us know at the following email address: teratec@kanirp.com

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