

# HPCSET 2015 : 2<sup>nd</sup> International Workshop on High Performance Computing Simulation in Energy/Transport Domains

July 16<sup>th</sup>, 2015 - Frankfurt, Germany

Current and future supercomputers provide a huge computational power but their architectures are more and more complex to counteract the low power increasing of cores. From the application point of view, the main challenge is to use efficiently these supercomputers in order to provide large multiphysics and multiscale accurate and robust numerical simulations. The gap between current supercomputers and the HPC applications need to be reduced which is a scientific challenge.

The **2<sup>nd</sup> International Workshop on High Performance Computing Simulation in Energy/Transport Domains (HPCSET 2015)** workshop will take place the **16<sup>th</sup> of July 2015 in Frankfurt** during the **ISC High Performance 2015 conference** (<http://www.isc-hpc.com>). The main objective of this workshop is to bring together all relevant researchers working on High Performance Numerical Simulation in the Energy/Transport domains to share their new scientific results and problematic in for example (but not limited to) the following topics:

- New algorithmic approaches for high performance scientific computing
- Numerical libraries
- Data-intensive computing
- Scientific visualization,
- Performance analysis, profiling,
- Verification and Validation
- Large numerical simulations

**Authors are invited to submit an abstract**, two pages long, including figures, for an oral presentation of 30 minutes duration to [thien\\_hiep.le@onera.fr](mailto:thien_hiep.le@onera.fr)

## Scientific Committee

- Christophe Calvin (CEA)
- Christophe Denis (EDF - Ens Cachan)
- Thiên Hiệp Lê (ONERA)
- Alain Refloch (ONERA)

## Important dates

- **Deadline paper submission** : 1<sup>st</sup> of January 2015
- **Notification of acceptance** : 15<sup>th</sup> of January 2015

The speakers will be required to register and to attend the ISC conference.