

JSC becomes full Member of JLESC



The Joint Laboratory brings together researchers from the Institut National de Recherche en Informatique et en Automatique (France), National Center for Supercomputing Applications (USA), Argonne National Laboratory (USA), Barcelona Supercomputing Center (Spain), RIKEN Advanced Institute for Computational Science (Japan) and JSC. The Joint Laboratory brings together researchers from the Institut National de Recherche en Informatique et en Automatique (Inria, France), the National Center for Supercomputing Applications (NCSA, USA), Argonne National Laboratory (ANL, USA), Barcelona Supercomputing Center (BSC, Spain), RIKEN (Japan) and JSC.

The objectives of JLESC are to initiate and facilitate international collaborations on state-of-the-art research related to computational and data focused simulation and analytics at extreme scales. JLESC promotes original ideas, research and publications, as well as open source software, aimed to address the most critical issues in advancing from petascale to extreme scale computing. Research topics include parallel programming models, numerical algorithms, parallel I/O and storage systems, data analytics, heterogeneous computing, resilience and performance analysis. JLESC involves scientists and engineers from many different disciplines as well as from industry

to ensure that the research supported by the laboratory addresses science and engineering's most critical needs and takes advantage of the continuing evolution of computing technologies.

The collaborative work within the joint laboratory is organized in projects between two or more partners. This includes mutual research visits, joint publications and software releases. The results of these projects are discussed during biannual workshops, where also new ideas and collaboration opportunities are presented. The next event will take place in Barcelona from June 29 to July 1, 2015, followed by a two-day summer school on big data. In December 2015, the event will be organized by JSC.

JSC is involved in many new developments related to key extreme-scale applications. This expertise nicely complements JLESC's current work and will bring new problems to the applied mathematics and computer science communities. As this is truly a high-ranking consortium in supercomputing, JSC felt very much honored being invited to join as full partner. JSC is represented in JLESC by the Steering Committee member Prof. Thomas Lippert and the JSC Executive Director Dr. Robert Speck. For more information visit the official JLESC website under <http://publish.illinois.edu/jointlab-esc>

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