

JSC at the 3rd JLESC Workshop

From June 29 to July 1, the 3rd JLESC workshop took place in Barcelona, organized by Barcelona Supercomputing Center. This event was the first one in 2015 of the biannual meetings of the Joint Laboratory on Extreme Scale Computing (JLESC) and the first one with Jülich Supercomputing Centre (JSC) as full partner of JLESC. 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), and, since the beginning of this year, RIKEN AICS (Japan) and JSC. The key objective of JLESC is to foster international collaborations on state-of-the-art research related to computational and data focused simulation and analytics at extreme scales. Within JLESC, scientists from many different disciplines as well as from industry address the most critical issues in advancing from petascale to extreme scale computing. The collaborative work is organized in projects between two or more partners. This includes mutual research visits, joint publications and software releases. Every six months, all JLESC partners meet during a workshop to discuss the most recent results and to exchange ideas for further collaborations. With more than 100 scientists and students from the six JLESC partners, the meeting in Barcelona covered a broad range of topics crucial for today's and tomorrow's supercomputing. Together with the other participants, 19 staff members from JSC could catch up on cutting-edge research from the fields



of resilience, I/O and programming models as well as numerical methods, applications, data analytics and performance tools. 8 scientists and students from JSC and German partner universities presented their research and results during contributed talks and Prof. Thomas Lippert highlighted central HPC aspects of the Human Brain Project in his keynote. Prof. Morris Riedel and his group at JSC and University of Iceland gave insight into their research on data analytics during the associated JLESC summer school "Storage, IO and Data Analytics". From December 2 to 4, 2015 the 4th JLESC workshop will be organized by JSC at the Gustav-Stresemann Institut e.V. in Bonn, continuing this successful series of internationally recognized and valued meetings. For more information visit the official JLESC website under <http://publish.illinois.edu/jointlab-esc>.

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