

[Top HPC centers meet in Bonn at JLESC](#)

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Joint Laboratory for Extreme-Scale Computing



4th JLESC
Workshop
December 2-4, 2015

Top researchers from six of the largest supercomputing centers will get together in Bonn for the 4th Joint Laboratory for Extreme-Scale Computing ([JLESC](#)) Workshop to discuss the challenges for future supercomputers. Several BSC researchers will take part in this event, which will be held from 2-4 December 2015. The workshop will gather top researchers in HPC from Barcelona Supercomputing Center, INRIA, the University of Illinois, Argonne National Laboratory, Julisch Supercomputing Center and Riken AICS to explore research problems related to post Petascale / Exascale Supercomputers and present early results of their joint work.

The 4th JLESC will feature technical sessions on five main topics: Application and Numerical libraries;

Parallel Programming, runtime and tools; Resilience; Big Data, I/O and visualization; Cloud for HPC.

The workshop will present an program with papers accepted or submitted to top level conferences.

A key objective of the workshop is to identify new research collaborations and establish a roadmap for their implementation.

The workshop is open to Illinois, INRIA, ANL, BSC, JSC and Riken AICS faculties, researchers, engineers and students who want to learn more about Post Petascale / Exascale Computing.

[Workshop program, and detail information](#)

About the Joint Lab

In June 2009, the [University of Illinois at Urbana-Champaign](#) and [INRIA](#), the French national computer science institute, formed the Joint Laboratory for Petascale Computing. The JLPC was based at Illinois and included researchers from INRIA, Illinois' Center for Extreme-Scale Computation, and the [National Center for Supercomputing Applications](#). It focused on software challenges found in complex high-performance computers.

The success of the JLPC motivated its extension to other partners. Argonne National Laboratory joined in 2013. Barcelona Supercomputing Center joined in 2014 and Jülich Supercomputing Centre joined in 2015. In June 2014 the JLPC became the Joint-Laboratory on Extreme Scale Computing. The JLESC is still based at Illinois.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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