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## **Six of the world's largest supercomputing centers meet in Barcelona to discuss the challenges of future supercomputers**

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# Joint Laboratory for Extreme-Scale Computing



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*-Marc Snir will talk about US Government programs to promote new supercomputing systems, Thomas Lippert, about the EU Flagship “Human Brain Project” and Akira Ukawa will explain the point of view from Riken, Japan*

(Barcelona, 2015/06/23) - Top researchers from six of the largest supercomputing centers in the world, together in the Joint Laboratory for Extreme-Scale Computing (JLESC), will meet next week in Barcelona to

discuss the software challenges for future supercomputers. The workshop will take place from June 29th to July 1st and will be followed by the JLESC Summer School on Storage, IO and Data Analytics (July 2-3).

The workshop will start on Monday afternoon with a session that will include two keynotes about US and European Union strategic governmental programs to boost research and supercomputing, and a third one on the point of view of Riken's Advanced Institute for Computational Science, in Japan.

The first keynote (Monday, 29 June at 15.10h) will be given by Marc Snir, from Argon National Laboratory (US), who will talk about the progress of the US Department of Energy program to build state-of-the-art supercomputers together with industry. The second one (Monday, 29 June at 16.00h) will be held by Thomas Lippert, Head of Jülich Supercomputing Centre (Germany), who will explain the progress of the Human Brain Project, one of the European Commission research flagships, together with Graphene. Akira Ukawa, deputy director, will present Riken's perspectives.

The meeting will continue with technical sessions on five main topics: application and numerical libraries, parallel programming, runtime and tools, resilience, Big Data, I/O and visualization and cloud for HPC.

## **JLESC**

The Joint Laboratory for Extreme Scale Computing includes researchers from the [French Institut National de Recherche en Informatique et en Automatique \(INRIA\)](#), the University of Illinois at Urbana-Champaign's [National Center for Supercomputing Applications](#) (US), [Argonne National Laboratory](#) (US), [Barcelona Supercomputing Center \(Spain\)](#), [Jülich Supercomputing Center](#) (Germany) and [Riken/AICS](#) (Japan). More information on: <http://publish.illinois.edu/jointlab-esc/>

## **Barcelona Supercomputing Center**

Barcelona Supercomputing Center (BSC) is the national supercomputing centre in Spain. BSC specializes in high performance computing (HPC) and its mission is two-fold: to provide infrastructure and supercomputing services to European scientists, and to generate knowledge and technology to transfer to business and society.

BSC is a Severo Ochoa Center of Excellence and a first level hosting member of the European research infrastructure PRACE (Partnership for Advanced Computing in Europe). The center also manages the Spanish Supercomputing Network (RES).

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Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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