

Press release: "BSC arranges a PRACE code porting and optimization workshop"

For release: 11/08/2009

## **BSC arranges a PRACE code porting and optimization workshop**

*BSC, Barcelona Supercomputing Center, in association with PRACE, the Partnership for Advanced Computing in Europe, will arrange the first BSC-PRACE code porting and optimization workshop in 21-23 October 2009 in Barcelona (North Campus of the UPC, Polytechnical University of Catalonia).*

This workshop is addressed to potential users of future Petascale systems in Europe. Researchers and students from Europe and beyond will receive advanced training in programming models and optimization techniques and they are encouraged to bring their own codes to work with during the hands-on sessions.

The main topics for this training will be code porting to OpenMP 3.0, Cell Superscalar (CellSs) and UPC (Unified Parallel C). All these programming models are developed in order to get the maximum performance for the next generation of petaflops systems. The prerequisites are familiarity with parallel programming and the usage of parallel computers.

**Registration is open until October 12th, 2009.** The number of seats for all participants at the workshop is limited to 25. The workshop is part of the PRACE project's education and training task and its aim is to implement a European High Performance Computing (HPC) education and training programme for scalable scientific computing. The workshop is free of charge. Participants will only have to pay their travel and accommodation themselves.

### **Agenda:**

[http://www.bsc.es/plantillaA.php?cat\\_id=613](http://www.bsc.es/plantillaA.php?cat_id=613)

### **Registration form:**

[http://www.bsc.es/plantillaC.php?cat\\_id=614](http://www.bsc.es/plantillaC.php?cat_id=614)

### **About PRACE:**

The Partnership for Advanced Computing in Europe (PRACE) prepares the creation of a persistent pan-European HPC service, consisting of several tier-0 centres providing European researchers with access to capability computers and forming the top level of the European HPC ecosystem. PRACE is a project funded in part by the EU's 7th Framework Programme. The PRACE project receives funding from the European Community's Seventh.

**About BSC:**

The Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC) was established by a consortium made up of the Ministry of Science and Innovation (MICINN), the Government of Catalonia and the Universitat Politècnica de Catalunya (UPC), and is headed by Professor Mateo Valero.

This Spanish multi-disciplinary supercomputing center houses MareNostrum, one of the most powerful supercomputers in the world. Their mission is to investigate, develop and manage information technology in order to facilitate scientific progress. With this objective, there has been special dedication to research areas such as Computer Sciences, Life Sciences, Earth Sciences and Computer Applications in Science and Engineering. In the context of this multi-disciplinary approach, the BSC has a large number of researchers and experts in HPC (High Performing Computing) who facilitate scientific progress with state-of-the-art supercomputing resources.

For further information about the BSC: [www.bsc.es](http://www.bsc.es).

