30_CS_HAMASS_R2

Job Reference

30_CS_HAMASS_R2

Position

Recognized Researcher (R2)

Data de tancament

Dilluns, 05 Febrer, 2018

About BSC

The Barcelona Supercomputing Center - Centro Nacional de Supercomputación (BSC-CNS) is the leading supercomputing center in Spain. It houses MareNostrum, one of the most powerful supercomputers in Europe, and is a hosting member of the PRACE European distributed supercomputing infrastructure. The mission of BSC is to research, develop and manage information technologies in order to facilitate scientific progress. BSC combines HPC service provision and R&D into both computer and computational science (life, earth and engineering sciences) under one roof, and currently has over 460 staff from 44 countries.

Look at the BSC experience:

BSC-CNS YouTube Channel

BSC-CNS Corporate Video

Let's stay connected with BSC Folks!

Context and Mission

The Heterogeneous Architectures group within the Computer Science department of Barcelona Supercomputing Center is offering a full-time postdoctoral position. The successful candidate will become part of a dynamic research group (currently eleven PhD students and three senior researchers) with strong connections to industry (ARM, NVIDIA, Bull, Samsung). The group is at the forefront of research in energy-efficient systems architecture, memory systems for HPC and programming model/runtime support for novel architectures.
The main responsibilities of the position will be related to an ongoing research line in programming model and system software support for novel architectures, in particular task-based programming model support for clusters and coherence islands, as part of the ExaNoDe, EuroEXA and LEGaTO projects. The position will be located at BSC within the Computer Science department.

**Key Duties**

- Leadership and broad vision in research
- Mentoring of PhD and Master students
- Play a key role in project proposals, execution, and preparation of deliverables, including for the ExaNoDe, EuroEXA and LEGaTO projects
- Must be willing to travel regularly

**Requirements**

- **Education**
  - PhD in Computer Science or related discipline

- **Knowledge and Professional Experience**
  - Has made contributions through original research, as evidenced by international peer-reviewed publications
  - Strong understanding of computer architecture and parallel programming models (OpenMP and OmpSs).
  - Previous experience in contributing to or managing European collaborative projects and proposals would be a significant advantage
  - Experience with the implementation of task-based runtime systems for heterogeneous architectures and/or distributed memories would be an advantage.

- **Competences**
  - Excellent written and verbal communication skills
  - Ability to conceive, design, implement and adapt a substantial program of research
  - Capacity to interact and build strong relations among diverse members/stakeholder/staff
  - Excellent written and verbal communication skills
  - Ability to take initiative, prioritize and work under set deadlines and pressure
  - Fluency in English is essential

**Conditions**

The position will be located at BSC within the Computer Sciences Department. The contract will be temporary. We offer a full-time contract, a good working environment, flexible hours and a medical assurance. Salary will depend on the qualifications and experience of the candidate. Internal candidatures will be prioritized.

**Applications Procedure**
All applications must include:

- A full CV including contact details

**Diversity and Equal Opportunity Employment**

BSC-CNS is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

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