116_OP_US_E

Job Reference

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Position

Junior HPC User Support

Data de tancament

Divendres, 30 Novembre, 2018

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Job title: Junior HPC User Support

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 500 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 Operations Department ensures the continuous daily functioning of the RES supercomputers and remote access by users both within Spain and internationally. In addition to all the routine maintenance and operations tasks, the Department staff is also heavily involved in planning and designing new systems and support facilities.

We are offering a position for Junior High Performance Computing User Support. We will accept candidatures interested in a part-time work as well as students of Computer Sciences Engineering Degree within their last year.
Key Duties

- Optimization and porting scientific application to multiple supercomputing platforms.
- Help to the users in their issues with the use of the different compute resources available for them.
- Collaboration with other functional groups within the center on technical matters related to supporting scientific application work.
- Understanding of the workflows from the different groups and helping the researchers to use the computing and storage resources in an efficient way.
- Help to the final users to use the machines with the maximum performance and efficiency.

Requirements

- Education
  - Bachelor in Computer Science, Bioinformatics, Telecommunications, Physics or related discipline.
  - or students of Computer Sciences Engineering Degree within their last year.

- Essential Knowledge and Professional Experience
  - Experience installing, compiling and running applications on UNIX-based systems
  - Experience in using and working in a Linux environment
  - Good knowledge of bash scripting
  - Experience in parallel programming models (MPI, OpenMP, threads,...) is an advantage but not a requirement

- Competences
  - Excellent interpersonal skills to be able to work within a team or independently to complete tasks on schedule.
  - Analytical problem solving ability.
  - Service Attitude.

Conditions

- The position will be located at BSC within the Operations Department
- We offer a full-time contract, a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible hours, extensive training plan, tickets restaurant, private health insurance, fully support to the relocation procedures
- Salary: we offer a competitive salary commensurate with the qualifications and experience of the candidate and according to the cost of living in Barcelona
- Starting date: as soon as possible
Applications Procedure

All applications must include:

- A motivation letter with a statement of interest, including two contacts for further references - COMPULSORY - Applications without this document will not be considered
- A full CV including contact details

Deadline

The vacancy will remain open until suitable candidate has been hired. Applications will be regularly reviewed and potential candidates will be contacted.

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.