29_CS_WDC_R0

Job Reference

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Position

Master Student collaboration to develop PyCOMPSs application R0s

Data de tancament

Dijous, 15 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 500 staff from 44 countries.

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BSC-CNS Corporate Video

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Context and Mission
The Computer Sciences (CS) department of the Barcelona Supercomputing Center aims at carrying out research and development to influence the way computing machines are built, programmed and used. The Workflows and Distributed Computing group at the Barcelona Supercomputing Center aims at carrying out research on programming models for distributed computing. More specifically, this group is contributing to the BIOEXCEL Center of Excellence with the programming model PyCOMPSs/COMPSs. PyCOMPSs/COMPSs is a task-based, parallel programming model offered to the project applications as a means to execute them in distributed environments. For this research, the group is looking for a master student to collaborate in the development of applications.

Key Duties

- Porting/development of applications in Python with PyCOMPSs
- Tests of the applications in BSC infrastructures
- Attendance to group meetings

The candidate will work closely with other research members on the team of the Workflows and Distributed Computing group.

Requirements

Education

- Computer science degree or similar

Essential Knowledge and Professional Experience

- Programming skills in Python

Additional Knowledge and Professional Experience

- Distributed computing

Competences

- Fluency in spoken and written English, while fluency in other European languages will be also valued

Conditions

- The position will be located at BSC within the Computer Science Department
- We offer a part-time grant, a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible hours, extensive training plan.

Applications Procedure

All applications must include:

- A motivation letter with a statement of interest, including two contacts for further references
● 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.

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