**63_CS_PM_RE1**

**Job Reference**

63_CS_PM_RE1

**Position**

EPEEC Compiler Support (RE1)

**Data de tancament**

Diumenge, 31 Març, 2019  
Reference: 63_CS_PM_RE1  
Job title: EPEEC Compiler Support (RE1)

**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  
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**Context And Mission**

The Programming Models group at BSC is seeking a candidate to work on the support for the EPEEC EU project compiler development. The candidate will participate on the support for several compiler extensions for C/C++ and FORTRAN, adapted to the needs of the EPEEC applications. The candidate will also be involved on the study and analysis of the applications, and will also participate on the project trainings, and dissemination of the work through conference and journal publications.

**Key Duties**

- Provide compiler support for C/C++, FORTRAN and compiler transformations targeting EPEEC
applications
- Give support to the EPEEC application analysis and evaluation
- Participate in general compiler maintenance
- Participate in trainings and publications

Requirements

- Education
  - Bachelor or master in computer science

- Essential Knowledge and Professional Experience
  - Excellent computing skills in programming languages (C/C++, FORTRAN), and experience on Linux environments

- Additional Knowledge and Professional Experience
  - Compiler internal representation and code transformations

- Competences
  - Fluency in English is essential
  - Capacity to interact and build strong relations with the team and project partners
  - Excellent written and verbal communication skills
  - Ability to take initiative, prioritize, and work under set deadlines and pressure
  - Ability to work independently and in a team

Conditions

- The position will be located at BSC within the Computer Sciences 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
- Duration: Temporary - 1 year renewable
- 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: 01/04/2019

Applications Procedure

All applications must include:

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

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