40_CS_RAA_R2

Job Reference

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Position

EPI co-design researcher (R2)

Data de tancament

Divendres, 15 Març, 2019

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Job title: EPI co-design researcher (R2)

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

Carry out research in the context of the vector unit of the European Processor Initiative (EPI).

Key Duties

- Use and modify a microarchitecture simulator
- Present research results in presentations, reports and papers
- Interact with the whole EPI team
Requirements

- **Education**
  - Master in Computer Sciences or equivalent

- **Essential Knowledge and Professional Experience**
  - Computer architecture
  - High-performance computing
  - Experience with architecture simulation and performance analysis tool
  - C/C++

- **Additional Knowledge and Professional Experience**
  - Knowledge of typical HPC workloads (E.g. linear algebra)

- **Competences**
  - Writing of technical reports and papers
  - Development of source code in a collaborative environment
  - Fluency in English
  - Interest in pursuing a PhD degree will be appreciated

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 - 2 years 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: 01/05/2019

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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