74_CS_CAPP_R4

Job Reference

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Position

Computer Architecture for Parallel Paradigmes (CAPP) group manager

Data de tancament

Divendres, 29 Març, 2019
Reference: 74_CS_CAPP_R4
Job title: Computer Architecture for Parallel Paradigmes (CAPP) group manager

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 YouTube Channel
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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 Computer Architecture for Parallel Paradigm group at the Barcelona Supercomputing Center aims to research on computer architecture for high performance computation, big data, low power and resilience architectures. More specifically, we are interested to research in low power and resilience vector architecture and out of order architectures to be used in exascale computers. The CS department is looking for a group manager to lead this group, both from managerial and research/technical points of view.

Key Duties
• Management of the CAPP group inside the CS department at BSC; the candidate will report to the CS department directors.
• Envision and supervision of research and development activities.
• Leading of funded projects in the CAPP group.
• Active role in looking for public and private funding, ensuring the financial sustainability of the CAPP group.
• Contribution to the strategic activities of the department.
• Participation in strategic roles in international initiatives.

Requirements

• Education
  o PhD on Computer Sciences or related

• Essential Knowledge and Professional Experience
  o Experience on leading research groups (5 years of experience)
  o Experience on European funded projects or similar (3 years of experience)
  o Experience in research contracts with industry
  o Research and development experience in the area of Computer Architecture
  o Expertise in vector, out of order, low power and fault tolerant architectures

• Additional Knowledge and Professional Experience
  o Knowledge in parallel programming
  o Knowledge in HDL
  o Knowledge in hardware simulation

• Competences
  o Fluency in spoken and written English
  o Ability to interact with people

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 - 31/3/2024 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: 1/4/2019
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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