Job Reference

400_22_CASE_F_R0

Position

Master Student for the Fusion Group (R0)

Data de tancament

Dilluns, 31 Octubre, 2022
Reference: 400_22_CASE_F_R0
Job title: Master Student for the Fusion Group (R0)

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 770 staff from 55 countries.

Look at the BSC experience:
BSC-CNS YouTube Channel
Let's stay connected with BSC Folks!

Context And Mission

The Computer Applications in Science and Engineering (CASE) department is looking for a Master's student to work in the BSC Fusion group (fusion.bsc.es). The successful candidate will become an active member of the group. The group is a multidisciplinary team that includes mathematicians, physicists and computer scientists. The research project will be decided based on the successful candidate's research interests and the projects' needs.

Key Duties

- Computer-based modeling using state-of-art simulations tools.
- Development and validation of simulations tools.

**Requirements**

- **Education**
  - Degree in physics, physics engineering or computer science.
  - Master's degree in plasma physics, fusion, material physics, nuclear engineering, HPC, mathematics or numerical modelling for science is advantageous.

- **Essential Knowledge and Professional Experience**
  - Experience in programming/modeling, especially in FORTRAN.
  - Knowledge of plasma physics, fusion, nuclear engineering, material physics and/or HPC is advantageous.
  - Previous experience in research projects is favorable.

- **Additional Knowledge and Professional Experience**
  - Excellent communication skills including a good command of the English language (written and spoken) are required.

- **Competences**
  - Flexible team player capable of working with others but also independently.
  - Problem-solving, pro-active, result-oriented work attitude.
  - Capability to work in an international and fast-paced work environment towards tight deadlines.

**Conditions**

- The position will be located at BSC within the CASE Department
- We offer a part-time contract, a good working environment, a highly stimulating environment with state-of-the-art infrastructure, flexible working hours, extensive training plan, fully support to the relocation procedures
- Duration: 1 year
- 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: 01/11/2022
Applications procedure and process

All applications must be made through BSC website and contain:

- A full CV in English including contact details
- A Cover Letter with a statement of interest in English, including two contacts for further references - Applications without this document will not be considered

In accordance with the OTM-R principles, a gender-balanced recruitment panel is formed for every vacancy at the beginning of the process. After reviewing the content of the applications, the panel will start the interviews, with at least one technical and one administrative interview. A profile questionnaire as well as a technical exercise may be required during the process.

The panel will make a final decision and all candidates who had contacts with them will receive a feedback with details on the acceptance or rejection of their profile.

At BSC we are seeking continuous improvement in our recruitment processes, for any suggestions or feedback/complaints about our Recruitment Processes, please contact recruitment [at] bsc [dot] es.

For more information follow [this link](https://www.bsc.es/ca/join-us/fellowships/40022casefr0)

Deadline

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

OTM-R principles for selection processes

BSC-CNS is committed to the principles of the Code of Conduct for the Recruitment of Researchers of the European Commission and the Open, Transparent and Merit-based Recruitment principles (OTM-R). This is applied for any potential candidate in all our processes, for example by creating gender-balanced recruitment panels and recognizing career breaks etc.

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.

For more information follow [this link](https://www.bsc.es/ca/join-us/fellowships/40022casefr0)

Barcelona Supercomputing Center - Centro Nacional de Supercomputación

Source URL (retrieved on 22 oct 2022 - 04:38): https://www.bsc.es/ca/join-us/fellowships/40022casefr0