178_CASE_GA_R3

Job Reference

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Position

Established Researcher ? R3

Data de tancament

Diumenge, 24 Desembre, 2017

BSC-CNS (Barcelona Supercomputing Center – Centro Nacional de Supercomputación) is the National Supercomputing Facility in Spain and manages MareNostrum, one of the most powerful supercomputers in Europe. The mission of BSC-CNS is to investigate, develop and manage information technology in order to facilitate scientific progress. With this aim, special dedication has been taken to areas such as Computer Sciences, Life Sciences, Earth Sciences and Computational Applications in Science and Engineering.

Look at the BSC experience:

BSC-CNS YouTube Channel

BSC-CNS Corporate Video

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Context and Mission of the role

We are looking for a senior post-doctoral researcher to develop reduced order modelling techniques in the framework of the ongoing applied geophysics projects at BSC. The goal is assessing the HPC potential of such techniques and their development as competitive tools for academic and industrial problems.

Responsibilities

- Be in charge of reduced order modelling R&D at BSC.
- Explore HPC-friendly versions of ROM and study interdisciplinary applications.
- Develop specific tools for ROM applied to geophysics.
- Publish and disseminate results in internationally renowned journals and conferences.

Requirements
**Education**
- Ph.D in Engineering, Physics or Applied Mathematics

**Knowledge and professional experience**
- Fluent in Spanish and/or Catalan and English.
- Skilled in programming languages including C, Fortran, Matlab and/or Python.
- At least one year of post-doctoral experience in the field of ROM.
- Basic knowledge of geophysics.

**Competences**

In order to be successful in this role the candidate should have:

- Team working capabilities, as the position will be carried out in an international, multidisciplinary R&D team
- Capacity to develop his/her work with independence
- Being reliable, competent and honest to deliver results in a timely and presentable fashion, whenever carrying out development for our industrial partners and projects.

**Conditions**

- A competitive salary will be provided, matched to the cost of living in Barcelona, depending on the value of the candidate

**Applications Procedure**

All applications must be done through the BSC website:

http://www.bsc.es/about-bsc/employment/vacancies

Including:

1. A full CV including contact details.

**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.

Barcelona Supercomputing Center - Centro Nacional de Supercomputación