76_CASE_ER_R3

Job Reference

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Position

Senior Developer in Geophysics - R2

Data de tancament

Diumenge, 31 Març, 2019

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Job title: Senior Developer in Geophysics - 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.

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Context And Mission

As part of an international project involving several EU countries and Mexico, the applicant's mission will be to develop, test and optimize modelling and inversion codes for exploration geophysics. Of specific importance in knowledge and experience with seismic full waveform inversion (FWI) in 3D. Last but not least we expect excellent scientific results from this project, which should involve publications in internationally recognized journals, presence in the best conferences and writing of internal deliverables of the project.

Key Duties
- Design of tests for comparison of FWI HPC codes
- Modelling and inversion of complex seismic datasets
- Management of deliverables and milestones of the project
- Collaboration with partners in EU and Mexico

Requirements

- Education
  - PhD in physics or geophysics
  - Degree in STEM

- Essential Knowledge and Professional Experience
  - Geophysics - 4 years
  - Seismic Inversion - 2 years

- Competences
  - C, FORTRAN

Conditions

- The position will be located at BSC within the CASE 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 - 24 months 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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