

ANNOUNCEMENT FOR THE PROVISION OF A WORKPLACE

Severo Ochoa PhD Position in Hydrogeology Group (VAC-2021-09)

The International Centre for Numerical Methods in Engineering (CIMNE, www.cimne.com) is a research centre, created in 1987 by consortium between the Catalan Government and the Universitat Politècnica de Catalunya (UPC-BarcelonaTech), devoted to the development and application of numerical methods to a wide range of areas in engineering. CIMNE has been selected as a Severo Ochoa Centre of Excellence for the period 2019-2023. This is the highest level of recognition of excellence and leadership awarded to a research centre in Spain.

CIMNE is offering a research position that will be funded by the Severo Ochoa Programme.

Position details

Number of vacancies: 1

Category: PhD (PHD3)

Location: Barcelona

Yearly salary (gross): 16.246,05 EUR

Working hours: Full time

Duration: 3 years

Starting date: No later than May 2021

Functions to be developed by the applicant

CIMNE is looking for a **PhD Researcher** to be part of the Research and Technical Development (RTD) Group on Hydrogeology. The Hydrogeology Research Group conducts research in the fields of subsurface hydrology and bio-geochemistry. The Group works on the characterization and numerical modeling of flow and transport in porous and fractured media by hydraulic and geochemical data.

The functions assigned to the candidate will be:

- Complete a PhD on Environmental Engineering at the Universitat Politècnica de Catalunya (UPC-BarcelonaTech). The candidate is expected to complete the PhD thesis in a maximum of three years.
- Collaborate with various research groups within CIMNE and worldwide.
- To publish a minimum of two papers in JCR journals during the PhD period.

Requirements

1. To be eligible for the scholarship grant the applicants have to meet the conditions to be enrolled to the doctoral program previously mentioned at the moment of the signature of the contract.
2. Candidates who have already been awarded a PhD are not eligible to apply.
3. Excellent academic record.
4. High working knowledge of English.

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Other valued skills

- Previous research and/or academic experience in Hydrogeology and groundwater modeling
- Language skills "MATLAB and Python"
- Experience in groundwater modelling using MODFLOW

Evaluation procedure

The requirements and merits will be evaluated with a maximum mark of 100 points. Such maximum mark will be obtained by summing up the points obtained in the following items:

- Academic record (60%)
- Previous research and academic experience in the field of the position (20%)
- Programming skills (10%)
- Language skills (10%)

How to apply

Candidates must complete the "Application Form" form on our website, indicating the reference of the vacancy and attaching the following documents **in English**:

- Curriculum vitae
- A motivation letter
- Academic transcripts from all Undergraduate and MSc degrees
- A letter issued by the competent organism at origin University accrediting that the Undergraduate and MSc degrees give access to PhD studies
- Name and institutional contact information of two possible referees

The deadline for registration to the offer ends on February 12th, 2021 at 12 noon.

Application will be reviewed by CIMNE Severo Ochoa selection committee.

The shortlisted candidates may be called for an interview. They may also be required to provide further supporting documentation.

CIMNE is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law. CIMNE has been awarded the HRS4R label.