

ANNOUNCEMENT FOR PROVISION OF THE WORKPLACE

VAC-2021-01 – PhD positions in Geomechanics

Number of places: 2

Category: PhD Student (PHD 3)

Workplace: Barcelona

Salary (gross): 16.246,05€

Weekly working hours: 40

Contract type: Temporary

Duration: 1 year, with the possibility of annual renewal up to a maximum of 4 years

Functions to be developed:

The research involves the study and the numerical modelling of the thermo-hydro-mechanical (THM) behaviour of argillaceous rocks and other clayey materials. It includes

- constitutive and code development
- applications to engineering problems
- contribution to the worldwide discussion of the work
- scientific dissemination of results

Required skills:

We are looking for a highly motivated and creative candidate. Ideally, the candidate should hold a degree in Civil Engineering, Geological Engineering, Applied Mathematics or other relevant fields.

- Excellent academic record
- Background in numerical methods and continuum mechanics and Geomechanics subjects
- Programming skills
- Good working knowledge of English, both written and spoken

Other valued skills (not mandatory):

- Previous experience in research
- Good communication skills, written and oral

Qualification system:

The requisites and merits will be evaluated with a maximum note of 100 points. Such maximal note will be obtained summing up the following points:

- Academic record: 20%
- Previous research and academic background in the field of the position: 35%
- Programming skills: 15%
- Language skills: 15%
- Communication/Teaching skills: 5%
- Personal interview: 10%

Candidates must complete the "Application Form" form on our website, indicating the reference of the vacancy and attaching the required documents.

The deadline for registration to the offer ends on January 20, 2021 at 12 noon.

The preselected candidates may be requested to send the documentation required in the "Requirements" and "Merits" sections, duly scanned, and may be called to go through selection tests (which might be of eliminatory nature) and / or personal interviews.