

ANNOUNCEMENT FOR PROVISION OF THE WORKPLACE

VAC-2022-08 – RESEARCH ENGINEER

Number of places: 1

Category: Research Engineer 4

Workplace: Barcelona

Yearly salary (gross): 26835,73€

Weekly working hours: 40

Contract type: project linked

Duration: 1 year (renewable)

This contract is part of the R+D+i project PID2020-119598RB-I00, funded by MCIN/AEI/10.13039/501100011033/

Functions to be developed:

Research assistant, code development (PFEM, DEM) and application to geotechnical engineering problems in the context of the project “Principles and Applications of Soil Mechanics for Anchoring offshore renewable energy installations”

Required skills:

- MSc degree level in Geotechnical Engineering
- Programming and scripting in C++, MATLAB, FISH, Python;
- Experience in simulation with discrete element methods and continuum numerical methods
- English

Other valued skills (not mandatory):

- Working knowledge of constitutive models for soils
- Knowledge of permeation grouting technologies
- Knowledge of slope stabilization and protection techniques
- Research experience (e.g. doctoral training)
- Presentation skills
- Participation in scientific conference organization

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:

- **Publication and career track:** 30%
- **Previous research and academic experience in the field of the position:** 30%
- **Programming skills:** 20%
- **Language skills:** 10%
- **Communication/Teaching skills:** 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 **4th February, 2022** 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.

