International Centre for
Numerical Methods in Engineering

cimne@cimne.upc.edu
+34 93 401 74 95

CIMNE - Edifici C1 Campus Nord UPC
C/ Gran Capità, S/N
08034 Barcelona, Spain

Centre Internacional de Mètodes Numèrics a l'Enginyeria ® Q5850006G

ANNOUNCEMENT FOR PROVISION
OF THE WORKPLACE

VAC-2021-48 – CODE_BRIGHT user's support material for simulations including constitutive models for canister

Number of vacancies: 1

Category: PhD Student (PHD 1)

Location: Barcelona

Yearly salary (gross): 21.953,93 EUR

Working hours: Full time

Duration: 6 months

Functions to be developed:

Preparation of examples and complementary documentation (publications, tutorials, user's guide) for the use of the recently implemented specific constitutive models in CODE_BRIGHT (especially for canister copper).

Required skills:

- Formation at the level of Master in Civil Engineering.
- Knowledge of visco-plastic constitutive models for copper in the context of THM calculations for nuclear waste repository simulations.
- Knowledge of CODE_BRIGHT in terms of developments and use.

Other valued skills (not mandatory):

- English

A Consortium of

UNIVERSITAT POLITÈCNICA DE CATALUNYA
BARCELONATECH
UPC

Generalitat de Catalunya

In cooperation with UNESCO

CIMNE

International Centre for
Numerical Methods in Engineering

cimne@cimne.upc.edu
+34 93 401 74 95

CIMNE - Edifici C1 Campus Nord UPC
C/ Gran Capità, S/N
08034 Barcelona, Spain

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: 35%
- Programming skills: 20%
- Language skills: 5%
- 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 22nd June, 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.