

CONVOCATÒRIA PER A LA PROVISIÓ DEL LLOC DE TREBALL

VAC-2018-23 – Induced seismicity

Number of positions: 1

Professional category: Master of Science

Work place: UPC-Department of Civil Engineering

Gross annual salary: To agree

Working hours: 25h per week (9-14h)

Contract type: Contract of work and service

Foreseen duration: September 2018-August 2019

Main duties:

1. Thermo-hydro-mechanical modeling of fluid injection into porous and fractured media
2. Analysis of the pressure, temperature and stress changes caused by fluid injection
3. Interpretation of the results for determining the triggering mechanisms of induced seismicity

Requirements (including languages):

1. Background: Civil or Geological Engineer
2. Hydrogeological and Geotechnical knowledge
3. Languages: English

Merits or valuable aspects:

- Publication in scientific journals and/or conference proceedings
- Knowledge of modeling codes for geomechanics and multiphase flow
- Experience in code development
- Awards

Centre Internacional de Mètodes Numèrics a l'Enginyeria (CIMNE)

Edifici C1, Campus Nord UPC, Gran Capità s/n, 08034, Barcelona – Telèfon 93 401 74 95 – cimne@cimne.upc.edu

Qualifying system:

The requirements and merits will be evaluated with a maximum punctuation of 100 points. To obtain this qualification, the following aspects will be evaluated:

1. Academic degrees: 20%
2. Languages (English): 20%
3. Scientific publications: 20%
4. Knowledge of modeling codes of thermo-hydro-mechanical processes: 10%
5. Experience in code development: 5%
6. Awards: 5%
7. Selective activities and interview: 20%

The Curriculum vitae and the motivation letter should be sent to the email address seleccio@cimne.upc.edu, indicating in the subject of the email the name of the position, as defined in the call.

The closing date for applications is 25/07/2018 at 12h.

The short-listed candidates will have to send all the documentation (scanned) required in the “Requirements” and “Merits” sections to seleccio@cimne.upc.edu and may be required to perform selective activities and/or a personal interview.

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