

## CONVOCATÒRIA PER A LA PROVISIÓ DEL LLOC DE TREBALL

**VAC-2018-08 – Fractured media modeler**

Number of positions: 1

Professional category: Research Engineer

Work place: UPC-Department of Civil Engineering

Gross annual salary: 15.185,52€

Working hours: 24h per week (Monday to Thursday from 9 to 14h and Friday from 10 to 14h)

Contract type: Contract of work and service

Foreseen duration: May-December 2018

Main duties:

1. Thermo-hydro-mechanical modeling of fluid (water, CO<sub>2</sub>, methane) injection in a fractured reservoir.
2. Analysis and interpretation of the results for determining the pressure and temperature injection conditions that minimize the affection to the caprock.

Requirements (including languages):

1. Background: Mining or Civil Engineer.
2. Hydrogeological and Geotechnical knowledge.
3. Minimum experience of 3 years in geotechnical modeling.
4. Languages: English.

Merits or valuable aspects:

- Experience in consultancy.
- Knowledge of modeling codes for geomechanics and multiphase flow.
- Publication in scientific journals and/or conference proceedings.
- Experience as a lecturer.
- Other academic degrees.

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

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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. Specialization courses: 5%
3. Professional experience: 15%
4. Languages (English): 20%
5. Knowledge of modeling codes of thermo-hydro-mechanical processes: 10%
6. Experience as a lecturer: 5%
7. Scientific publications: 5%
8. Selective activities and interview: 20%

The Curriculum vitae and the motivation letter should be sent to the email address [seleccio@cimne.upc.edu](mailto: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 April 3, 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](mailto:seleccio@cimne.upc.edu) and may be required to perform selective activities and/or a personal interview.