

ANNOUNCEMENT FOR THE PROVISION OF THE WORKPLACE

VAC-2019-24 – ROM Model Development in Kratos

Number of positions: 1

Professional Category: PhD Student – PHD 2

Place of work: Campus Nord UPC - Barcelona

Annual gross salary: 20.807,87€

Working schedule: 40 hours/week (from 9am to 2pm and from 3pm to 6pm)

Contract type: pre-doctoral contract

Contract period: 3 years

Scope and functions:

1. Collaboration on research projects on Reduced Order Modelling using Kratos (including collaboration in project-related deliverables)
2. Performing research on the topic of ROM
3. Writing technical papers
4. Writing of PhD thesis

Required skillness:

1. Master of Science in Computational Mechanics
2. Knowledge of C++ and Python
3. Basic knowledge of SVD-based ROM models
4. Basic knowledge of Kratos

Merits:

- Provable experience in Kratos
- Provable experience in Numerical Methods
- Provable programming skills

International Centre for Numerical Methods in Engineering (CIMNE)

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Evaluation method:

The required skillness and merits will be valued with a maximum score of 100 points. To obtain this note, the values obtained in the following sections will be summed up:

1. Academic qualifications (50 %)
2. Knowledge of programming languages (10 %)
3. Professional Experience (10 %)
4. English knowledge (10 %)
5. Previous knowledge in ROM related techniques (10 %)
6. Remote or presencial interview (10 %)

Candidates must complete the "Application Form" form on our website <http://www.cimne.com/vpage/2/People/Job-Offers>, indicating the reference of the vacancy and attaching the required documents.

The deadline to submit the CVs will be the 31 July 2019 at 12h.

The preselected candidates can be requested the documentation in the sections of "Requirements" and "Merits" and may be called for the performance of selective tests (which may have an eliminatory character) and / or personal interviews.