

# JOB VACANCY ANNOUNCEMENT

## VAC-2025-14 – Research Engineer in Computational Mechanics

**Number of places:** 1

**Category:** Innovation Trainee 2 - IT2

**Workplace:** Barcelona, Spain

**Salary (gross):** 23.457,64 €

**Weekly working hours:** 40 hours per week

**Duration:** Undetermined

### Functions to be developed:

The candidate is expected to collaborate in ongoing projects on the development of nonlinear constitutive models that account for cyclic loads under the Kratos framework for composite and metallic materials. He/She will also be tasked with the preparation of Journal articles and expected to work in the development of his/her PhD thesis.

### Required skills:

- Degree in Mechanical, Civil Engineering or similar
- Basic knowledge of Nonlinear Solid Mechanics
- Programming capabilities under Python and C++

### Other valued skills (not mandatory):

- Knowledge of the Kratos framework
- Previous experience working with Solid Mechanics
- Knowledge of nonlinear constitutive models, fatigue and/or composite material behaviour
- Articles published in the field

### 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:

- **Academic qualifications:** 20%
- **Training and development:** 15%
- **Professional experience:** 10%

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- Knowledge of the Catalan language: 5%
- Knowledge of the English language: 10%
- Selective tests and interview: 40%

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 February 20<sup>th</sup>, 2025 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.

### Commitment to inclusivity:

At CIMNE, we champion workplace equity, diversity, and inclusion. We're committed to fostering a culture where everyone can thrive, leveraging diverse talents and backgrounds. We welcome all applicants regardless of color, religion, gender, origin, abilities, gender identity, sexual orientation, pregnancy or any other characteristic. Join us in building a community that values, celebrates, and respects every individual.

### HR Excellence in Research:

CIMNE welcomes and supports the principles of European Commission's European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers, embracing a transparent, attractive, and open labour market in research. The centre's Human Resources Strategy for Researchers (HRS4R) includes an action plan with actionable short and long-term actions to support a high-quality working environment for all. Further information can be found [here](#).