

JOB VACANCY ANNOUNCEMENT

VAC-2024-48 – Research engineer in computational mechanics

Number of places: 1

Category: Innovation Trainee – IT 2

Workplace: Barcelona

Salary (gross): 22.997,69 € / year

Weekly working hours: 40h/week

Functions to be developed:

Develop, implement and validate nonlinear constitutive models in Kratos Multiphysics for monotonic and cyclic loading applicable to composite and metallic materials.

Document the work done in periodic reports and presentations.

Present the work done in conferences, workshops or training events.

Required skills:

- Experience programming in Kratos Multiphysics
- Previous publications in Q1 journals in the field of composite materials and/or fatigue.
- Proven record of participation in competitive projects.
- Fluent in written and spoken English.
- Active participation in innovation projects.
- Support in the development of proposals and projects.
- Contribution to the development of products, software, or services according to project or contract expectations.
- Collaboration in establishing and maintaining relationships with companies and/or governmental or public institutions.
- Contribution to the writing and publication of applied research papers, reports for industry or public institutions (including confidential reports), professional practice guides, technical guidelines, technical books, expert opinion papers, etc.

Other valued skills (not mandatory):

- Fluent in Spanish and/or Catalan.

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- Availability to travel occasionally for short research stays, conferences or project meetings.

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: 10%
- Training and development: 10%
- Professional experience: 30%
- Knowledge of the Catalan language: 5%
- Knowledge of the English language: 20%
- Selective tests and interview: 25%

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 October 4th, 2024 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](#).