

# ANNOUNCEMENT FOR PROVISION OF THE WORKPLACE

## VAC-2023-61 – Research Engineer for modelling of Multiphase flow problems (DECIMA project)

**Number of places:** 1

**Category:** RENG3

**Workplace:** Barcelona

**Salary (gross):** 1.666,50€/year

**Weekly working hours:** 2h/week

**Duration:** 12 months

### Functions to be developed:

- Support in developing two-phase flow model for inkjet printing
- Consulting regarding development of Machine Learning algorithms

### Required skills:

- PhD in civil, mechanical engineering or very close engineering discipline
- Knowledge of FEM
- C++/Python programming
- Knowledge of Machine Learning
- Knowledge and track record in multiphase flow modeling

### Other valued skills (not mandatory):

- Ability to write research papers
- English language
- Experience in programming in Kratos Multiphysics

### 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:

- Publication and career track: 30%
- Previous research and academic experience in the field of the position: 30%
- Programming skills: 30%
- Language skills: 5%
- Communication/Teaching skills: 5%

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 10<sup>th</sup>, 2023 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.

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