

ANNOUNCEMENT FOR PROVISION OF THE WORKPLACE

VAC-2023-14 – Research Engineer in Computational Fluid Dynamics

Number of places: 1

Category: Research Engineer – RENG 5

Workplace: Barcelona

Salary (gross): 22.219,99 €

Weekly working hours: 40h/week

Contract type: Temporary

Duration: 6 months

Functions to be developed:

Benchmarking and validation of face-centred finite volume solvers for large-scale problems involving laminar and turbulent incompressible flows.

This contract is part of the project I+D+i PID2020-113463RB-C33, financed by MCIN/AEI/10.13039/501100011033/.



Required skills:

- Master degree (or equivalent) in computational mechanics, computational science and engineering, applied mathematics or closely related field.
- Knowledge of finite volume and discontinuous Galerkin methods.
- Knowledge of incompressible flows.
- Good programming skills (Fortran).
- Written and oral proficiency in English.

Other valued skills (not mandatory):

- Knowledge of parallel computing (OpenMP/MPI).
- Authorship or coauthorship of journal publications and/or contributions to international conferences will be positively evaluated.

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:** 20%
- **Language skills:** 10%
- **Communication/Teaching skills:** 10%

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 March 7th, 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.