CIMNE
EXCELENCIA SEVERO OCHOA
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ANNOUNCEMENT FOR PROVISION OF THE WORKPLACE

VAC-2022-05 – Research engineer in computational fluid dynamics

Number of places: 1

Category: PhD Student (PHD1)

Workplace: Barcelona

Yearly Salary (gross): According to MSCA-ITN Call (34.754,88€)
Weekly working hours: 40 h/week

Contract type: Temporary

Duration: 1 month

Functions to be developed:

Development of advanced discretisation methods for the simulation of incompressible flows, with special emphasis on efficient solvers for large-scale problems.

Required skills:

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

Other valued skills (not mandatory):

- Previous knowledge of incompressible flows is not compulsory but it 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%

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- 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 28th January, 2022 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.