Severo Ochoa PostDoc Trainee Position in Naval and Marine Engineering Group (VAC-2020-61)

The International Centre for Numerical Methods in Engineering (CIMNE, www.cimne.com) is a research centre, created in 1987 by consortium between the Catalan Government and the Universitat Politècnica de Catalunya (UPC-BarcelonaTech), devoted to the development and application of numerical methods to a wide range of areas in engineering. CIMNE has been selected as a Severo Ochoa Centre of Excellence for the period 2019-2023. This is the highest level of recognition of excellence and leadership awarded to a research centre in Spain.

CIMNE is offering a research position that will be funded by the Severo Ochoa Programme.

Position details

Number of vacancies: 1
Category: Post Doc Trainee (PDOC2)
Location: Barcelona
Yearly salary (gross): 31.915,64 EUR
Working hours: Full time
Duration: 2 years
Starting date: No later than November 2021

Functions to be developed:

CIMNE is looking for a **Postdoc Trainee** to be part of the Research and Technical Development (RTD) Group on Naval and Marine Engineering. The Group's activities are related to the development and application of computational methods and assessment tools in the fields of naval architecture, marine and ocean engineering.

The functions assigned to the candidate will be:

- Plan and conduct high quality research
- Collaborate with various research groups across Europe and elsewhere
- Document and disseminate the research results within CIMNE and externally
- Publish in high impact journals
- Participate in research projects and contracts with industry of interest to the RTD Group
- Collaborate in the preparation of competitive RTD research proposals

cimne@cimne.upc.edu
+34 93 401 74 95
CIMNE - Edifici C1 Campus Nord
UPC C/ Gran Capità, S/N 08034
Barcelona, Spain

ANNOUNCEMENT FOR THE PROVISION OF A WORKPLACE

Requirements

- Having obtained a PhD degree in Engineering at the moment of the signature of the contract.
- Experience in marine/offshore renewable energy engineering research.
- Good publication record in international journals and international conferences.
- Advanced knowledge of English, both written and spoken.
- Experience (demonstrable) in C++ programming of computational methods as well as implementing and tailoring already existing engineering software.
- Experience in experimental work such as data acquisition and signal processing.

Other valued skills

- Previous research and/or academic experience in the field of the position
- Good communication/Teaching skills
- Experience in parallel programing using MPI and with scripting languages (such as Tcl/Tk or Python).

Evaluation procedure

The requirements and merits will be evaluated with a maximum mark of 100 points. Such maximum mark will be obtained by summing up the points obtained in the following items:

- Publication and career track (40%)
- Previous research and/or academic experience in the field of the position (20%)
- Programming skills (20%)
- Language skills (10%)
- Communication/Teaching skills (10%)

How to apply

Candidates must complete the "Application Form" on our website, indicating the reference of the vacancy and attaching the following documents **in English**:

- Curriculum vitae, including Researcher's ID or ORCID No.
- A motivation letter.
- Academic transcripts from all Undergraduate, MSc and PhD degrees.
- Name and institutional contact information of two possible referees

The deadline for registration to the offer ends on October 16th, 2020 at 12 noon.

Application will be reviewed by CIMNE Severo Ochoa selection committee.

The shortlisted candidates may be called for an interview. They may also be required to provide further supporting documentation.

CIMNE is an equal opportunity employer committed to diversity and inclusion. We are pleased to consider all qualified applicants for employment without regard to race, colour, religion, sex, sexual orientation, gender identity, national origin, age, disability or any other basis protected by applicable state or local law. CIMNE has been awarded the HRS4R label.

cimne@cimne.upc.edu
+34 93 401 74 95
CIMNE - Edifici C1 Campus Nord
UPC C/ Gran Capità, S/N 08034
Barcelona, Spain