

CALL FOR PRE-DOCTORAL RESEARCHERS

Universidad de Cantabria (Environmental Hydraulics Institute). Santander. Spain

1. Aim of the call:

We are looking for highly motivated and qualified candidates to be contracted in a Research project.

2. Tasks to be undertaken:

- To develop his/her PhD in order to enhance the scientific knowledge, creating new theories or modifying the already existing on issues related to marine surface dynamics (in particular, wind-generated sea surface waves and sea level variations) and the development and application of statistical-mathematical techniques to climate variables.
- To collaborate in Research Projects connected to the specific topic of the PhD.

3. Education requirements:

University graduates. Branch of Study: Marine Sciences, Civil Engineering, Physical Sciences, and equivalent degrees.

4. Application procedure - Requirements

- a) Applicants must have (i) Spanish nationality, (ii) European Union nationality, (iii) be of any state in which, through the international treaties established by the E.U. and ratified by Spain, the free movement of workers is applicable. Applicants with a different nationality from mentioned above can also present their application providing the appropriate residence permit.
- b) Applicants must prove the qualification required.
- c) Candidates must meet the eligibility requirements by the UC for the Ph.D. program admissions (<http://web.unican.es/estudios/Documents/DOCTORADO/RequisitosAccesoDoctoradoRD9911.pdf>).

5. Applications

Candidates must send the following documentation:

- Completed application form, available at:
<http://web.unican.es/unidades/coie/Documents/Ofertas%20de%20Empleo/SolicitudOfertaUC.doc>
- Curriculum, please provide a copy of the documents in order to support your merits (it is advisable to include recent photographs) .
- Photocopy of the National Identity Document or Passport.
- Copy of the required Degree or proof of having paid the expedition fees.

This documentation must be sent through the participation form available at: <http://web.unican.es/unidades/coie/solicitud-participacion-en-convocatoria> or submitted at the headquarters of the COIE (Edificio Tres Torres, Torre B - 1st Floor, 39005. Santander- Cantabria),

Deadline: April 10, 2017 at 1 pm (Spanish Time)

<http://web.unican.es/unidades/coie/oferta-de-empleo?oferta=8037>

6. Candidates' merits assessment

After the deadline for applications, a committee will proceed to the assessment of the merits according to the documentation provided. The scoring information of candidate merits is detailed below:

Stage 1. Skill requirements (Eliminatory stage. Applicants must obtain a minimum of 20 points from stage 1 to move to stage 2):

- Additional academic qualifications related to the research topic. Up to 10 points.
- Programming experience (e.g. Matlab). Up to 15 points.
- Experience in wave or sea level numerical modelling (e.g. model setup and high performance computing experience). Up to 10 points.
- Meteo-ocean database management experience. Up to 10 points.
- Experience in sea level analysis. Up to 10 points.
- Experience in sea surface wave analysis. Up to 5 points.

Stage 2.

Specific training in

- Meteorology. Up to 10 points.
- Physical oceanography. Up to 10 points.
- Climate system and Climate change. Up to 10 points.
- Mathematical-statistical techniques (data mining). Up to 10 points.

Languages:

- Written and spoken English language skills (B2 English certificate of the Council of Europe or similar is required). Up to 10 points.

Other merits.

- Management/analysis of satellite altimetry data. Up to 5 points.
- Awards. Up to 10 points.

Stage 3. Personal interview. Up to 60 points.