

IMPRESSIVE project has received funding from the European Union's Horizon 2020 Research and Innovation Programme under Grant Agreement No 821922

PhD RESEARCHER POSITION (ICP1) IN IMPRESSIVE PROJECT (“Integrated Marine Pollution Risk assessment and Emergency management Support Service In ports and coastal enVironmEnts”), FUNDED BY THE HORIZON 2020 PROGRAMME (GRANT AGREEMENT No 821922), FOR THE PERIOD 2019-2020.

BACKGROUND

The Science and Technology Park Foundation (FCPCT) of the University of Las Palmas de Gran Canaria (ULPGC) - Spain offers a PhD Researcher contract to work in the EU IMPRESSIVE project during 24 months.

IMPRESSIVE (“Integrated Marine Pollution Risk assessment and Emergency management Support Service In ports and coastal enVironmEnts”) aims at developing remotely operated sophisticated tools integrated with very high resolution models and EO products for pollution control in harbours and coastal areas. The project focuses in designing a universal-relocatable platform, based on CMEMS (Copernicus Marine Environment Monitoring Service, <http://marine.copernicus.eu/>) products, for real time management of marine pollution events in the wider area of EU harbours and their vicinities. The main objective is to combine EO monitoring and advanced numerical modelling at the harbour scale, where high risks for pollutant spills and waste waters arise due to the large ship activity, traffic and refuelling.

The system developed by IMPRESSIVE will integrate very high resolution radiometric and radar data/imagery from the European SENTINEL satellites. It will also operate autonomous surface vehicles (ASV) and drones equipped with high definition sensors.

The University will recruit the best candidate following the recommendations of the European Charter for Researchers and the Code of Conduct for the Recruitment of Researchers. The job offer will be published through a wide range of portals. The evaluation of candidates and their selection criteria will be aligned with the ULPGC policies on equal opportunities. Selection and hiring procedures will follow transparent mechanisms according to national and regional legislation.

The selection committee will be composed by Mr. Antonio Marcelino Santana González (General Manager of Fundación Canaria Parque Científico y Tecnológico at the ULPGC), Ms. Almudena Suárez (who will act as secretary of the commission), Dr. Antonio Juan González Ramos (IMPRESSIVE coordinator at ULPGC, who will act as President of the Commission) and Dr. Jorge Cabrera Gámez (researcher in IMPRESSIVE from the ULPGC).



PREREQUISITES

Candidates must comply with the following conditions:

1. Nationality:
 - a. Spanish nationality or that of one of the other member states of the European Union.
 - b. Whatever his nationality, spouses of Spaniards and nationals of other Member States of the European Union.
 - c. People included into International Agreements concluded by the European Union and ratified by Spain, related to free movement of workers.
 - d. Foreign candidates not included in the above paragraphs, legally resident in Spain.
2. Age: Be over eighteen.
3. Degrees: PhD degree in one of the following fields: Marine Sciences / Physical Sciences. Applicants with qualifications obtained abroad must hold the corresponding validation/credential certifying, where appropriate, the homologation.
4. Experience: minimum of 12 months of experience in projects related to Satellite Oceanography and real time data/imagery processing, as well as to management of automated systems for extracting/processing oceanographic data and data obtained with autonomous marine vehicles.

WORKING CONDITIONS

This temporary contract is related to specific work and services to be developed by the ULPGC in the context of IMPRESSIVE project.

More specifically the tasks to be performed are:

- Development and programming of the download/management system for high resolution radar imagery within the IMPRESSIVE geographic domain.
- Development and programming of the download/management system for high resolution optical imagery within the IMPRESSIVE geographic domain.
- Integration of the satellite data/imagery download systems into the main IMPRESSIVE data visualization and processing platform for risk prevention and management in harbours.

The contract may conclude in case of funding shortfall. This position requires full-time dedication. Gross salary: 2.100 €/month.



The expected start date for this contract is mid-February 2019, and the total duration is 24 months. The selected person will work for IMPRESSIVE Project at the Institute of Intelligent Systems and Numeric Applications in Engineering (SIANI) of the University of Las Palmas de Gran Canaria (ULPGC), Canary Islands, Spain.

Further information about the Science and Technology Park Foundation (FCPCT) of the ULPGC, SIANI and the University of Las Palmas de Gran Canaria (ULPGC) can be found in their websites:

<http://fpct.ulpgc.es>

<https://www.siani.es>

<http://www.ulpgc.es>

REQUIRED DOCUMENTS

The application must include:

- ID Card or passport
- Academic records (University certificates must be ratified in Spain)
- Work experience certificates
- Copy of publications related to this position
- Language certificates
- Curriculum Vitae
- The form included in Annex I of this call

EVALUATION

The following items and scores will be taken into account in order to evaluate the application:

1.- Working experience (Max. 7 points):

- Proven experience in development and maintenance of download/processing operational services for satellite data/imagery (Copernicus/ESA product family); programming in Linux environment, SNAP and SeaDAS; configuring gpt (graphics processing tool) operators; projects and services involving operational exploitation of real-time multisource oceanographic data. Only further experience in addition to the 12 months required in prerequisites will be evaluated (0.1 points per month of work. Max. 5 points).
- Work stays in international research centers related to the tasks assigned to this position (0.1 points per month of work. Max. 1 point).
- Scientific publications (only in journals with JCR impact) in the fields of satellite oceanography and the piloting of autonomous marine vehicles (0.1 points per publication. Max. 1 point).



2.- Further training (Max. 2 points):

- Training courses certified by accredited organizations in fields related to the tasks assigned to this position (0.5 points per course of a minimum of 40 hours. Max. 2 points).

3.- Language skills (Max. 1 point):

- English B2 Level (0.5 points).
- English C1 Level or higher (1 point).

4.- Interview (Max. 10 points)

The selection committee reserves the right to not regularize the contract in case that no candidate fulfills the necessary experience required for this position.

SUBMISSION OF DOCUMENTS

Documents, together with the form included in Annex I must be submitted before the 31st January 2019 to the following address:

Fundación Canaria Parque Científico Tecnológico de la ULPGC
C/ Practicante Ignacio González s/n
Edificio Polivalente III – 1^a planta
Campus Universitario de Tafira
Las Palmas de Gran Canaria, Las Palmas, SPAIN

The subject of the documents should include “Research contract for IMPRESSIVE project”.

Las Palmas de Gran Canaria, 21st January 2019

**General Manager at Fundación Canaria Parque Científico y Tecnológico ULPGC
Mr. Antonio Marcelino Santana González**



Annex I

Submission form

Mr/Mrs _____ with
Passport no. _____ with address in
_____, and with the following contact details:

Phone number: _____

E-mail address: _____

In the context of the vacancy announced by Fundación Canaria Parque Científico Tecnológico (FCPCT) of the University of Las Palmas de Gran Canaria, regarding a PhD Researcher position for the European project *IMPRESSIVE* (“*Integrated Marine Pollution Risk assessment and Emergency management Support Service In ports and coastal enVironmEnts*”) funded by the Horizon 2020 Programme for the period 2019-2020

REQUESTS

To be admitted as a candidate for this position according to the evaluation criteria described in the call.

According to the Spanish laws on data protection, I authorize the FCPCT to include my data in their records in order to participate in the selection process.

[Place and date]

Signature
The candidate