

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

**PROJECT SUPPORT POSITION (TCP3) 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 Project Support 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: Degree in one of the following fields: Computer Engineering / Industrial Electronic Engineering and Automation / Telecommunications Engineering. Electrical Engineering, Mechanical Engineering and Physical Sciences will be also admitted, provided enough proven experience in programming of autonomous systems. Applicants with qualifications obtained abroad must hold the corresponding validation/credential certifying, where appropriate, the homologation.
4. Experience: minimum of 6 months of experience in projects related to software engineering applied to robotics and control of autonomous vehicles.
5. Languages: English (B1 Level minimum).

## **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:

- Manufacturing of autonomous marine vehicles.
- Integration of sensors and subsystems.
- Programming of control systems and communications.
- Marine tests and cruises for data collection with autonomous marine vehicles.

The contract may conclude in case of funding shortfall. This position requires full-time dedication. Gross salary: 1.518,38 €/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
- Certificates of attendance to congresses related to this position
- 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. 6 points):

- Proven experience as employee or researcher in projects related to software engineering applied to robotics and/or control/piloting of autonomous marine vehicles. More specifically: programming and maintenance of marine vehicles; programming of autonomous systems; experience with ROS (Robot Operating System) or other similar programming environments for robotics (0.1 points per month of work. Max. 3 points).
- Work stays in national/international research centers related to the tasks assigned to this position (0.1 points per month of work. Max. 1 point).
- Scientific publications and communications to congresses in the field of robotics (0.1 points per publication/communication. Max. 1 point).



- PhD Degree (1 point) or Postgraduate Diploma (0.5 points) in the field of control of autonomous systems.

## **2.- Further training (Max. 1 point):**

- Training courses or certified professional experience in computer systems management under Linux O.S. (0.2 points per course or 0.1 points per month of work. Max. 1 point).

## **3.- Other skills (Max. 3 points):**

- Languages: English B2 Level or higher (0.5 points).
- Experience as programmer with Octave, Matlab or Python (0.1 points per month of work. Max. 1 point).
- Experience as programmer with Web technologies (0.1 points per month of work. Max. 1 point).
- Driving license (0.5 points).

## **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 31<sup>st</sup> January 2019 to the following address:

Fundación Canaria Parque Científico Tecnológico de la ULPGC  
C/ Practicante Ignacio González s/n  
Edificio Polivalente III – 1<sup>a</sup> 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, 21<sup>st</sup> 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 Project Support position (TCP3) 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