

**RESEARCH POSITION (TCP4) IN OSMOSE PROJECT (“OPTIMAL SYSTEM-MIX OF FLEXIBILITY SOLUTIONS FOR EUROPEAN ELECTRICITY”), FUNDED BY THE HORIZON 2020 PROGRAMME (LCE-04-2017, GRANT AGREEMENT Nº 773406) FOR THE PERIOD 2018-2021.**

The University of Las Palmas de Gran Canaria (ULPGC), Spain wishes to appoint 1 Research Position contract to work in the EU Project OSMOSE during 6 months.

The Quality, Efficiency and Sustainability Division of the Institute for Intelligent Systems and Numerical Applications in Engineering (SIANI), as a participant in the European OSMOSE project ("Optimal System-Mix of Flexible Solutions for European Electricity") financed by the Program Horizonte2020, aims at the design and simulation of a Multi Component Flexibility System (MCFS) in the electrical network of Fuerteventura-Lanzarote islands.

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 equal opportunities policies of the ULPGC. Selection and hiring procedures will follow transparent mechanisms attending 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), Prof. José Juan Hernández (OSMOSE coordinator at ULPGC, who will act as President of the Commission) and Prof. Ignacio de la Nuez Pestana (researcher of OSMOSE project).

## **PREREQUISITES**

The candidates must comply 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 paragraphs above, legally resident in Spain.
2. Age: Be over eighteen.
3. Degrees: Hold a Bachelor's degree in Electrical Engineering and a Master's degree in Research in technical areas. Applicants with qualifications obtained



abroad, must prove that they are in possession of the corresponding validation or credential accrediting, where appropriate, the homologation.

#### 4. Experience:

- Minimum previous professional experience of 6 months in projects related to the electricity sector.
- Minimum previous professional experience of 6 months using the PSS-E simulation tool and the Python programming language.
- Minimum experience or technical participation of 6 months in research projects related to power systems analysis.
- Minimum experience or technical assistance in R & D activities of 6 months related to simulation projects in the electricity sector.

### **WORKING CONDITIONS**

This temporary contract is for specified work and services for the execution of OSMOSE project in the Foundation Canary Scientific and Technology Park of the University of Las Palmas de Gran Canaria.

More specifically the tasks to be performed will be:

- Definition of operating hypotheses of the systems under study
- Identification of issues
- Analysis of power electrical systems
- Modeling and simulation with PSS-E and Python
- Evaluation of simulation results and hypothesis contrast
- Writing of documentation and dissemination of results in scientific publications

The contract will conclude in case of funding shortfall. The position is suitable for a full-time employment. Gross salary: 676,98 €/month.

The start of the contract is estimated by March 2018, and the duration is 6 months, subject to the possible extension if funds are available. The person hired will work for the OSMOSE Project at the Institute of Intelligent Systems and Numerical Applications in Engineering (IUSIANI), in the University of Las Palmas de Gran Canaria, Canary Islands, Spain.

Further information about the Fundación Canaria Parque Científico y Tecnológico of the University of Las Palmas de Gran Canaria, IUSIANI and the University of Las Palmas de Gran Canaria can be found on the website:

<http://fpct.ulpgc.es>

<https://www.siani.es/>

<http://www.ulpgc.es>



## REQUIRED DOCUMENTATION

Your application must include:

- ID Card or passport
- Academic records
- Working experience records
- Certificates of attendance to seminars related to the functions of the contract.
- Language certificates
- Curriculum Vitae
- The model included in the annex of this call

## EVALUATION

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

### 1.- Professional experience (Max 9 points):

- Previous professional experience in projects related to the electricity sector (0.5 points for each month worked, up to a maximum of 5 points). It will only count as merit that experience exceeding the minimum of 6 months required as a requirement.
- Previous professional experience in the PSS-E simulation tool and the Python programming language (0.2 points for each month worked, up to a maximum of 2 points). It will only count as merit that experience exceeding the minimum of 6 months required as a requirement.
- Previous experience in conducting research projects related to power systems analysis (0.1 points for each month worked, up to a maximum of 1 points). It will only count as merit that experience exceeding the minimum of 6 months required as a requirement.
- Technical assistance in R & D activities related to simulation projects in the electricity sector (0.1 points for each month worked, up to a maximum of 1 point). It will only count as merit that experience exceeding the minimum of 6 months required as a requirement.

### 2.- Further training (Max 1 points):

- Be in possession of a Master's Degree in Research in technical areas (1 point).

### 3.- Interview (Max. 10 points)

The evaluation commission has the right to propose no candidate to this contract if it is found that no one fulfills the necessary experience to participate in this project.



## **PRESENTATION OF THE DOCUMENTATION**

Documents, as well as the model included in the Annex of this call for contract must be forwarded before March 23<sup>th</sup> 2018 to the following address:

Fundación Canaria Parque Científico Tecnológico de la ULPGC  
C/ Practicante Ignacio González s/n  
Edificio Polivalente III – 1st Floor  
Campus Universitario de Tafira

The subject of the documents should mention “Research contract for OSMOSE project”.

Las Palmas de Gran Canaria, March 09th 2018

**General Manager at Fundación Canaria Parque Científico y Tecnológico ULPGC**



## Annex I

### SUBMISSION MODEL

Mr/Mrs \_\_\_\_\_  
with Passport no. \_\_\_\_\_  
with address in \_\_\_\_\_, and with the following  
contact data:

Phone number: \_\_\_\_\_

E-mail address: \_\_\_\_\_

With respect to the call for a research contract presented by the Fundación Canaria Parque Científico Tecnológico (FCPCT) at the University of Las Palmas de Gran Canaria, corresponding to a Research Position (TCP4) for OSMOSE project.

### REQUESTS

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

According to the laws related to data protection, I authorize the FCPCT to include my data in their archives in order to participate in the selection of personnel.

*[Place and date]*

Signature  
The candidate