



## 2 Research Grant Announcement (M/F)

Call open for applications for two Research Grants under the BASE Funding - UIDP/00147/2020 of the Research Unit - Center for Systems and Technologies - SYSTEC - funded by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Electrical and Computer Engineering - Electrical Power Systems

**Admission requirements:** Candidates who cumulatively meet the following requirements can apply for this grant:

**Requirement 1:**

- To be a student enrolled in a master degree or integrated master or in an integrated master's program who has already completed the 180 credits corresponding to the first six curricular semesters in the area of Electrical and Computer Engineering - Electrical Power Systems, requirement to be proven at the time of signing the contract.

or

- Holder of an academic degree enrolled in a non-academic degree course integrated in the educational project of a higher education institution, developed in association or cooperation with one or more R&D units, requirement to be proven at the time of signing the contract.

*Note: In the case of degree holders who are enrolled in non-academic degree courses, the scholarship can only be awarded to those who do not exceed, with this scholarship contract, including possible renewals, an accumulated period of two years in that typology of the scholarship, followed or interpolated.*

**And**

**Requirement 2:**

- Hold a bachelor's degree in Electrical and Computer Engineering.

*If the degree has been awarded by a foreign higher education institution, it must comply with the provisions of the Decree-Law no. 66/2018, of August 16th, and any formalities established there must be fulfilled until the time of signing the contract.*



### Activity Outline:

The Portugal 2030 strategy sets priorities for strategic infrastructure investments in the Mobility and Transport, Environment and Energy sectors. It assumes a strong commitment to energy sustainability and the response to climate change, promoting decarbonization and the energy transition. These objectives largely depend on electrotechnical engineering solutions, mainly in the area of electrical energy systems, to which the Center for Research in Systems and Technologies (SYSTEC) set out to respond.

The fellow will be integrated into the research team of the thematic line ENERGY - Smart systems and energy and mobility technologies, focusing on more efficient, reliable and sustainable energy solutions, considering the challenges that emerge from the concepts and technologies related to new renewable generation systems, new electric traction systems, intelligent distributed energy systems, incorporating electronic power technologies in all energy systems, in order to benefit from primary renewable energy sources and optimize the use of energy by society.

**Legislation and regulations:** Law Nº. 40/2004, of 18th August, in its current wording (Statutes of Scientific Research Fellow) and Regulation of Research Grants of Fundação para a Ciência e a Tecnologia, in force (<https://www.fct.pt/apoios/bolsas/regulamento.phtml>) and Regulation of Research Grants of University of Porto.

**Work place:** The work will be carried out at the Institute of Systems and Robotics – Porto, under the scientific supervision of Professor Adriano da Silva Carvalho.

**Grant duration:** Initial duration of 3 months, with the predicted starting date in February 2022, on an exclusive basis eventually renewable but never exceeding the project duration.

The eventual renewal of the scholarship will be carried out as determined in article 6 of the Research Grants Regulation of the Foundation for Science and Technology, I.P.

**Stipend:** The grant stipend amounts to 835,98€ according to the table of values of the grants awarded directly by FCT, I.P. in the Country (<https://www.fct.pt/apoios/bolsas/valores>).

The payment will be made by bank transfer.



**Selection procedure:** A curricular evaluation based on the candidates' merit will be carried out, considering the following factors:

$$AC = (60\% * AC1) + (40\% * AC2)$$

AC1 - Academic training:

- Degree in Electrical and Computer Engineering – 5 points;
- Degree in related areas - maximum of 4 points;

AC2 - Motivation, experience in the subject of the work program and adequacy between the candidate's profile and the objectives of the scholarship (maximum of 5 points)

After analyzing the submitted documents, the Evaluation Panel will interview the 3 best classified in the curriculum evaluation, candidates who obtain a score lower than 4 points will not be admitted for the interview.

In the interview (E), topics related to the work plan, previous experience, motivation and CV of the candidate will be discussed, with each candidate being assigned a classification of up to a maximum of 5 points.

The final evaluation is calculated based on the following weights: Curricular evaluation (60%) and interview (40%). **Final Classification = (60% \* AC) + (40% \* E)**

The right not to be hired is also reserved, if the candidate with the best final classification does not obtain a classification equal to or greater than 4 values.

#### **Selection Jury:**

President: Professor Doutor Fernando Manuel Ferreira lobo Pereira

Effective member: Professor Doutor Adriano da Silva Carvalho

Effective member: Professor Doutor Armando Luís Sousa Araújo

Supplementary member: Professora Doutora Maria Teresa Duarte Barroca Delgado

**Advertisement of final decision:** The results of the evaluation will be released to the candidates by email to the email address indicated in the application process.

#### **Deadline for applications and form of presentation of the applications:**

The call is open from 24/01/2022 to 04/02/2022 (until 11:59 pm, local time)



Applications must be formalized, mandatorily, by email to [sas@isrp.pt](mailto:sas@isrp.pt), indicating the project reference in the subject (ISRP-BI-LICSEE), accompanied by the following documents:

- Motivation letter,
- Detailed Curriculum Vitae,
- Certificates proving academic qualifications,
- Declaration on honor that the candidate fulfills the requirement contained in article 6 of the Regulation for Research Grants of the Foundation for Science and Technology, I.P. (model below, in case of student enrolled in a non-academic degree course integrated in the educational project of a higher education institution, developed in association or cooperation with one or more R&D units) and other documents considered relevant by the applicant.



### Declaration on honour

I, (identification of the scholarship holder), holder of the Citizen Card / Visa / Residence Permit no. valid until \_\_\_\_\_, declare under honour, to be in the conditions of no. 5 of article 6º of the Research Grants from FCT, IP - Regulation No. 950/2019, of 16 December.

Oporto, \_\_/\_\_/\_\_

Signature

\_\_\_\_\_

(scholarship holder)