

## 1 Research Grant Announcement (M/F)

A Call is opened for the selection of a research grant within the framework of project SERENE - Optimal Seismic and Energy Retrofit of Buildings considering Economic and Environmental Impacts, funded by national funds (PIDDAC) through FCT/MCTES, under the following conditions:

**Scientific Area:** Civil Engineering

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

**Requirement 1:**

- Be a student enrolled in a doctoral program in the area of Civil Engineering, a requirement to be duly proven at the time of signing the contract.

or

- Be the 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, a requirement to be duly proven at the time of signing the contract.

*Note: In the case of masters 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 master's degree in Seismic Risk, Civil Engineering or related field.

*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 scholarship holder will be involved in R&D activities that fall within the area of Civil Engineering, contributing to the activities foreseen by the Work Packages:

WP5 - Framework for energy efficiency and environmental impact assessment;

WP6 - Multi-criteria evaluation and identification of optimal retrofit strategies.

The scholarship holder will therefore work within the scope of quantifying the seismic risk and assessing the energy performance and environmental impact of existing buildings in Portugal.

**Legislation and regulations:** Law N.º. 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/financiamento/programas-de-financiamento/bolsas/>) and Regulation of Research Grants of University of Porto, in force.

**Work place:** The work will be developed at the Department of Civil Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Prof. Ricardo Monteiro and Prof. José Miguel Castro.

**Grant duration:** Initial duration of **6 months**, with the predicted starting date in **June 2024**, on an exclusive basis, eventually renewable but never exceeding the project duration.

If it is not possible to ensure the duration of 6 months estimated in the previous paragraph, this duration will be adjusted according to the end date of the project, and provided that the minimum duration of 3 consecutive months is guaranteed, in accordance with paragraph 3 of article 6 of the Research Grant Regulations of the Foundation for Science and Technology, I.P.

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 1.259,64€ according to the table of values of the grants awarded directly by FCT, I.P. in the Country (<https://www.fct.pt/financiamento/programas-de-financiamento/bolsas/>).

The payment will be made by bank transfer.

**Selection procedure:**

The curriculum of the candidates (60%) will be evaluated based on the merit of the candidate, and the following factors will be assessed:

- a) Academic training: Master in Earthquake Engineering/Seismic Risk - 10 points; Master in Civil Engineering (specialization in Structural Analysis) - 8 points; Master in Civil Engineering - 5 points; Other Masters - 2 points
- b) Publications in the area of seismic assessment of existing buildings - 4 points, Publications in other areas - 1 point
- c) Research Experience in the project area – 6 points; in related areas – 3 points; Other areas – 1 point

The curriculum of each candidate will be evaluated in a 1-20 points scale. Candidates with less than 13 points in the curricular evaluation will not be invited for the interview.

In the interview (40%), topics related to the work plan, experience and the candidate's CV will be discussed with the invited candidates.

**Selection Jury:**

President: Prof. Ricardo Nuno Carvalho Monteiro, IUSS Pavia

Effective member: Prof. José Miguel de Freitas Castro FEUP

Effective member: Prof. Humberto Salazar Amorim Varum FEUP

Supplementary member: Prof. António José Coelho Dias Arêde FEUP

Supplementary member: Prof. Xavier das Neves Romão FEUP

**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 **07/05/2024 to 20/05/2024** (until 23h59m, GMT time).

Applications must be formalized by email to [rncm@fe.up.pt](mailto:rncm@fe.up.pt) and to [recursoshumanos@fe.up.pt](mailto:recursoshumanos@fe.up.pt), clearly stating the reference **FEUP-SERENE\_2** and including the following pdf documents: Motivation letter, Copy of certificates evidencing academic degree (referring to the classification of each separated or integrated degree), detailed Curriculum Vitae; Declaration on honour that the candidate fulfils the requirement contained in article 6 of the Regulation for Research Grants of the Foundation for Science and Technology, I.P. (model below, for a 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.

To ensure that all documents can be read, the preferred saving format is the Portable Document Format (.pdf).

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)