

1 Research Grant Announcement (M/F)

Call open for applications for a research grant within the framework of project RETIME - “Urban Adaptation and Alert Solutions for a TIMEly (re)Action”, Grant Agreement number 101147113, financed by the European Commission, in the scope of the Horizon Europe Framework Programme | Cluster 5: Climate, Energy and Mobility, within the following conditions:

Scientific Area: Civil Engineering - Constructions

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

- 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.

and

Requirement 2:

- Hold a Master's degree in Civil Engineering and related areas.

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: Work in the field of digital building twins, energy simulation, digitalization in the AEC industry, collection and processing of data from monitoring systems installed in buildings, support for technical management tasks and writing reports.

Legislation and regulations: Law Nº. 40/2004, of 18th August, in its current wording (Statutes of Scientific Research Fellow) and and Regulation of Research Grants of University of Porto.

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 Doctor Fernando Pedro Fernandes Pereira.

Grant duration: Initial duration of **12 months**, with the predicted starting date in **September of 2024**, on an exclusive basis, eventually renewable but never exceeding the project duration.

If it is not possible to ensure the duration of 12 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 2 of article 10 of the Research Regulation of Research Grants of University of Porto.

The eventual renewal of the scholarship will be carried out as determined in paragraph 2 of article 10 of the Research Regulation of Research Grants of University of Porto.

Stipend: The monthly amount of the scholarship varies between €1,259.64 (one thousand two hundred and fifty-nine euros and sixty-four cents) according to the value table of the Research Grant Regulations of the University of Porto, and €1,599.64 (one thousand five hundred and ninety-nine euros and sixty-four cents), depending on the candidate's profile and previous experience in the project area. The payment will be made by bank transfer.

Selection procedure:

A curriculum assessment (60%) will be carried out, which will focus on the candidate's merit, in which the following factors will be considered:

- a) Letter of motivation written in Portuguese – from 0 to 10 points;
- b) Experience in research in the project area – 10 points; in areas related to the project –5 points;
- c) Experience in BIM modelling - from 0 to 10 points;
- d) Knowledge of Python programming - from 0 to 10 points;
- e) Knowledge in MariaDB database management - from 0 to 10 points;
- f) Knowledge of Arduino programming or similar - from 0 to 10 points.

Candidates will be classified on a 60-point scale, with candidates who obtain a score lower than 20 points (rounded) in the Curricular assessment not being admitted to the interview (40%). During the interview, topics related to the candidate's work plan and experience and CV will be discussed, as well as linguistic knowledge of Portuguese and English.



Selection Jury:

President: Doctor Fernando Pedro Fernandes Pereira

Effective member: Professor Nuno Manuel Monteiro Ramos

Effective member: Doctor João Pedro da Silva Poças Martins

Supplementary member: Professor Ana Sofia Moreira dos Santos Guimarães Teixeira

Supplementary member: Professor João Manuel do Paço Quesado 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 17-07-2024 to 30-07-2024 (until 23h59m, GMT time).

Applications must be formalized by email to fpp@fe.up.pt and to recursoshumanos@fe.up.pt, clearly stating the reference **FEUP-Retime– GémeosDigitais** and including the following pdf documents:

- Motivation letter written in Portuguese,
- Copy of certificates evidencing academic degree (referring the classification of each separated or integrated degree),
- Detailed Curriculum Vitae;
- Other documents considered relevant by the applicant.

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