

## 1 Research Grant Announcement (M/F)

Call open for applications for a research grant within the framework of project “SMART\_OPS – Smart monitoring system for large equipment used in the construction of bridges”, with the reference NORTE-01-0247\_FEDER-033511, co-financed by the European Regional Development Fund (ERDF), through the North Portugal Regional Operational Programme (NORTE2020), under the PORTUGAL 2020 Partnership Agreement , under the following conditions:

**Scientific Area:** Informatics Engineering

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

- To be a student enrolled in a master degree or integrated master who has already completed the 180 credits corresponding to the first six curricular semesters in the area of Informatics and Computing Engineering, requirement to be proven at the time of signing the contract.

**And**

- Hold a bachelor’s degree in Informatics and Computing 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.*

**Preference conditions:**

Competences in the management of Linux server and data bases.

**Activity Outline:** The grant holder will support the testing and improvement of an intelligent monitoring solution (sensing and remote monitoring) for large-scale equipment used in the construction of bridges. He or she will be particularly involved in testing and improving the server that supports the platform for visualization of monitoring data collected by sensors developed at FEUP and installed on BERD equipment.

**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.pt>) and Regulation of Research Grants of University of Porto.

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**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 Professor Filipe Magalhães.

**Grant duration:** Initial duration of **3 months**, with the predicted starting date in **December 2021**, on an exclusive basis eventually renewable but never exceeding the project duration.

If it is not possible to conclude the grant contracts for the minimum period of 3 consecutive months, the grants will not be awarded.

**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:**

The curricular evaluation of the candidates will be based on the merit of the candidate and the following factors will be assessed:

- a) Academic training (bachelor in Informatics Engineering - 4 points; bachelor is related area – 3 points);
- b) Competences in Linux servers setup and management (1 to 3 points);
- c) Competences in the setup and management of data bases (1 to 3 points);
- d) Knowledge in the programming of web pages (1 to 3 points);
- e) Motivation letter (1 to 3 points)

The three best ranked candidates in the curricular evaluation with marks higher than 10, will be interviewed (up to 4 points). In the interview topics related with the work plan, experience, skills, motivation and candidate's CV will be discussed.

The final scores results from the sum of the curricular evaluation and the interview.

**Selection Jury:**

President: Professor Doutor Filipe Manuel Rodrigues Leite Magalhães

Effective member: Professor Doutor Carlos Manuel Ramos Moutinho

Effective member: Professor Doutor Álvaro Alberto de Matos Ferreira da Cunha

Cofinanciado por:



Supplementary member: Professor Doutor Pedro Alvares Ribeiro Carmo Pacheco

**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 **15-11-2021 to 26-11-2021** (until 23h59m, GMT time).

Applications must be formalized by email to [filipema@fe.up.pt](mailto:filipema@fe.up.pt) and to [recursoshumanos@fe.up.pt](mailto:recursoshumanos@fe.up.pt) , clearly stating the reference **FEUP-SMART\_OPS** and including the following pdf documents: Motivation letter, detailed Curriculum Vitae, Copy of certificates evidencing academic degree, and other documents considered relevant by the applicant.

Cofinanciado por:

