

1 Research Grant M/F

Call open for applications for a research grant within the framework of project “Safe Cities - Innovation for Building Urban Safety”, with the reference POCI-01-0247-FEDER-041435, co-financed by the European Regional Development Fund (ERDF), through the Operational Programme for Competitiveness and Internationalization (COMPETE 2020), under the PORTUGAL 2020 Partnership Agreement, under the following conditions:

Scientific Area: Mechanical Engineering - Automation

Admission requirements:

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

- Be a student enrolled in a PhD programme in the field of Mechanical Engineering or other relevant area for the project activity described below, requirement to be proven at the time of signing the contract;

and

- Hold the degree of Master in Mechanical Engineering in the field of Automation.

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.

Preferential conditions:

Preferential conditions for the evaluation of candidates are:

- i. Experience and knowledge in the field of mechanical design of complex systems or goods of equipment;
- ii. Knowledge in the area of product development;
- iii. Knowledge in the area of automation and advanced control;
- iv. Good knowledge of modelling in SolidWorks.

Activity Outline:

The fellow will be integrated into the Research activity of the “Safe Cities” project team, performing tasks that concern the specification, development and testing of a new optical block.

(Profile 111 – Tasks: SP3_A5_T5.1 SP3_A5_T5.3 SP3_A5_T5.5 SP3_A6_T6.1 SP3_A6_T6.2 SP3_A6_T6.3 SP3_A6_T6.4 SP3_A6_T6.5

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The tasks can be adjusted depending on its feasibility in the project. All changes implying the grant holder's work in other tasks will be submitted to prior approval of the funding authority – AICEP.)

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/docs/RegulamentoBolsasFCT2019.pdf>).

Work place: The work will be developed at the Department of Mechanical Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Professor Fernando Gomes de Almeida.

Grant duration: Initial duration of 12 months, with starting date predicted to October 2020, on an exclusive basis eventually renewable but never exceeding the project duration .

Stipend: The grant stipend amounts to 1064,00€ according to the table of values of the grants awarded directly by FCT, I.P. in the Country. The payment will be made by bank transfer.

Selection procedure:

A curriculum evaluation which will focus on the candidate's merit, in which the following factors will be considered:

- a) Academic qualifications (Master in Mechanical Engineering in the field of Automation- 5 points; Master in related areas – 2 points);
- b) Research experience in the Automation area (up to 1 year - 2 points, greater than 1 year - 5 points).
- c) Experience in using SolidWorks (up to 1 year - 2 points, greater than 1 year - 5 points).

The 4 candidates with a rating equal to or higher than 5 points in the best-classified curriculum evaluation will be selected for interview (maximum 5 points). The candidates with a rating lower than 5 points in the curricular evaluation will not be selected.

The final grade is computed adding the curricular assessment with the interview.

Scoreboard:

President: Professor João Manuel Ribeiro da Silva Tavares

Effective member: Professor Fernando Gomes de Almeida

Effective member: Professor João Pedro Barata Rocha Falcão Carneiro

Supplementary member: Professor Joaquim Gabriel Magalhães Mendes

Supplementary member: Professor António Manuel Ferreira Mendes Lopes

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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 **18-09-2020 to 01-10-2020**

Applications must be formalized by email to fga@fe.up.pt and to recursoshumanos@fe.up.pt, should clearly state the reference **FEUP- SafeCities_Perfil111**, and must include Motivation Letter, Certificates evidencing academic degree, Curriculum Vitae, and other documents considered relevant by the applicant.

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