

1 Research Grant Announcement - Master (M/F)

Call open for applications for a research grant - Master 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: Signal Processing and Analysis

Admission requirements: Master in Electrical Engineering, Informatics, Biomedical, Mechanical, Computer Science or similar.

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: Develop signal processing and analysis methodologies for detecting, analyzing and classifying events in urban scenes, in particular for improving, detecting and classifying sound signals.

(Profile 127 – Tasks: SP3_A2_T2.2 SP3_A2_T2.3 SP3_A2_T2.4 SP3_A5_T5.1 SP3_A5_T5.2
SP3_A5_T5.3 SP3_A6_T6.2 SP3_A6_T6.3 SP3_A6_T6.4 SP3_A6_T6.5 SP8_A2_T2.1.

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 N.º. 40/2004, of 18th August, in its current wording (Statutes of Scientific Research Fellow); Regulation of Research Grants of Fundação para a Ciência e a Tecnologia, in force (<https://www.fct.pt/apoios/bolsas/regulamentos.phtml.pt>) and Grant regulation of University of Porto.

Work place: The work will developed at the Department of Mechanical Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Professor João Manuel R.S. Tavares.

Grant duration: Initial duration of 12 months, with starting date predicted to November 2019, on exclusive basis regime, eventually renewable up to the end of the project.

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Stipend: The grant stipend amounts to 989,70€ 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:

Curricular assessment considering the following factors:

- a) Academic background (Master in Electrical / Computer Engineering - 5 points; Master in related areas - 2 points);
- b) Research experience in Signal Processing and Analysis (up to 1 year - 2 points, greater than 1 year - 5 points);
- c) Publications (one publication - 2 points, more than one publication - 5 points)

The three candidates with highest curricular assessment will be selected for an interview (max 5 points).

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

Selection committee:

President of the selection committee: Doutora Lúcia Maria da Silva Ribeiro

Effective member: Professor João Manuel Ribeiro da Silva Tavares

Effective member: Professor Jorge Manuel Gomes Barbosa

Supplementary member: Professor Fernando Gomes de Almeida

Supplementary member: Professor Joaquim Gabriel Magalhães Mendes

Advertisement of final decision: The final results of the evaluation will be released to the candidates by post. Complete address in the application is required.

Deadline for applications and form of presentation of the applications:

The call is open from **08-11-2019 to 21-11-2019**

Applications must be formalized by email to tavares@fe.up.pt and to recursoshumanos@fe.up.pt, should clearly state the reference **FEUP- SafeCities_Perfil127**, and must include Motivation letter,

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Curriculum Vitae Certificates evidencing academic degree and other documents considered relevant by the applicant.

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