

## 1 Research Grant

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:** Information and Communication Technologies

**Admission requirements:**

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

- Be a student enrolled in a PhD in the field of Information and Communication Technologies and

- Hold the degree of Master in Electrical and Computer Engineering or related area.

*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:**

Collaboration in activities: Requirements analysis of audio / speech processing system; Design and development of hardware and software for system control and signal processing; Prototype construction and testing; Collaboration in technological dissemination actions.

(Profile 82 – Tasks: SP1\_A1\_T1.1 SP1\_A1\_T1.2 SP1\_A2\_T2.1 SP1\_A2\_T2.2 SP1\_A3\_T3.2 SP1\_A3\_T3.3 SP1\_A4\_T4.1 SP1\_A5\_T5.2 SP1\_A5\_T5.3 SP1\_A5\_T5.4 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) and Regulation of Research Grants of Fundação para a Ciência e a Tecnologia, in force (<https://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>).

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**Work place:** The work will be developed at the Department of Electrical and Computer Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Professors José Carlos Alves, Luís Almeida, and Rui Araújo.

**Grant duration:** Initial duration of 12 months, with starting date predicted to May 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 will be carried out, which will focus on the candidate's merit, in which the following factors will be considered:

- Curricular analysis (70%)

(a) Master degree in the area - 10 points (weighted by final grade), Master degree in similar or related area – 5 points (weighted by final grade).

(b) Experience in Micro-controlled systems, Real-time systems, Data networks up to 1 year – 2 points, Experience in Micro-controlled systems, Real-time systems, Data networks more than 1 year – 5 points.

(c) 1 Publication – 2 points, More than 1 publication – 5 points.

- Interview (30%)

The 4 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.

**Scoreboard:**

President: Professor José Carlos dos Santos Alves

Effective member Professor Rui Manuel Esteves Araújo

Effective member Professor Luís Miguel Pinho de Almeida

Supplementary member Professor Pedro Miguel Alves Brandão

Supplementary member Professor João Paulo de Castro Canas Ferreira

**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 **07-05-2020 to 12-06-2020**

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Applications must be formalized by email to [lmr@fe.up.pt](mailto:lmr@fe.up.pt) and to [recursos humanos@fe.up.pt](mailto:recursos humanos@fe.up.pt), should clearly state the reference **FEUP- SafeCities\_Perfil82**, and must include Motivation Letter, Proof of being a doctoral student, Certificates evidencing academic degree, Curriculum Vitae, and other documents considered relevant by the applicant.

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