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: Software Engineering

Admission requirements: Master in Informatics Engineering 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: state-of-the-art study, requirements analysis, technical specification, development and testing of support tools for monitoring, emulation and dry run of configurations of a Bosch family of alarm systems, following a live programming philosophy, to provide a quick feedback loop between programme and programmer in a very interactive and immersive way. The work requires advanced knowledge of software development and testing.

(Profile 166 – Tasks: SP4_A1_T1.1 SP4_A1_T1.2 SP4_A1_T1.3 SP4_A1_T1.4 SP4_A2_T2.3 SP4_A2_T2.7 SP4_A2_T2.8 SP4_A3_T3.1 SP4_A4_T4.1 SP4_A4_T4.5 SP4_A4_T4.7 SP4_A5_T5.1 SP4_A5_T5.2 SP4_A6_T6.1 SP4_A6_T6.2 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 Nº. 40/2004, of 18th August, amended by Decree-Law n.º 202/2012, of 27th 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 Informatics Engineering of the Faculty of Engineering of the University of Porto (FEUP), under the scientific supervision of Professors Ademar Manuel Teixeira de Aguiar and Mário Jorge Rodrigues de Sousa.

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

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 Informatics Engineering - 5 points; Master in related areas - 2 points);
- b) Research experience in Software Engineering (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 four 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: Professor Ademar Manuel Teixeira de Aguiar

Effective member: Professor Mário Jorge Rodrigues de Sousa

Effective member: Professor João Carlos Pascoal Faria

Supplementary member: Professor Ana Cristina Ramada Paiva

Supplementary member: Professor Filipe Alexandre Pais de Figueiredo Correia

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

Deadline for applications and form of presentation of the applications:

The call is open from 21-11-2019 a 20-12-2019

Applications must be formalized by email to aaguiar@fe.up.pt and to recursoshumanos@fe.up.pt, should clearly state the reference **FEUP- SafeCities_Perfil166**, and must include Motivation letter, Curriculum Vitae Certificates evidencing academic degree and other documents considered relevant by the applicant.