(BL307/2024-IST-ID)

1 Research Studentship for students of a course that does not award an academic degree

Applications are open for 1 Research Studentship for students of a course that does not award an academic degree, within the framework of project 1801P.01158.1.06 - LASEEB LAB/ISR, LA/P/0083/2020, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Biomedical Systems and e Biosignals

Admission Requirements: *to hold a master degree and be enrolled at a course that does not award an academic degree and it is integrated in the educational project of a higher education institution, performed in association or cooperation with one or several R&D units;*

Workplan: This scholarship aims at continuing the development of a local augmented reality platform for teleconsultation in psychiatry. This platform is being developed since several years and a significant number of master students have contributed with novel functionalities. We need to consolidate these contributions and include them in an operational prototype to be used in hospital environment.

So, the main tasks to be done in the scope of the scholarship are the following:

1. Fix several bugs that were identifies in the current version of the software that resulted from a deficient integration of the several contributions of the students.

2. Mount the main software and hardware skeleton of a local working station based on this operational prototype to be used with psychiatric patients at the hospital to test, validate and acquire data. This first operational prototype is a first version of other remote operational prototypes to be used in real psychiatric teleconsultations. This local station is composed by a computer, a local webcam and microphone and the software application containing the several image and audio algorithms that were developed for emotional and cognitive assessment in real time.

3. Create documentation describing the structure of the system.

4. Introduce and guide the current Master and Doctoral students to the platform in order they can incorporate novel algorithms and functionalities in the platform.

This project is crucial to continue the line of research in mental health. The candidate that will be accepted will integrate the research team, at least during the time of the scholarship.

Legislation and Regulations: Statute of Scientific Research Fellow, approved by Law nr. 40/2004, of August 18, as worded by Decree-Law nr. 123/2019, of August 28; FCT Regulation for Research Studentships and Fellowships, available on https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf and https://dre.pt/application/file/a/127230968.

Workplace: The work will be developed at Institute for Systems and Robotics / LARSyS of Instituto Superior Técnico, under the scientific supervision of Professor João Sanches.

Duration: The research fellowship(s) will have the duration of 12 months, not renewable.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf), the amount of the monthly maintenance allowance is € 1.259,64, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: *Curriculum evaluation, individual interview* with the respective weight of 100%.

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Composition of the selection Jury: Professors João Sanches, Rodrigo Ventura and Rita Nunes, all from the Instituto Superior Técnico

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Deadlines and procedures of complaint and appeal. A complaint may be lodged from the final decision within 15 working days, or an appeal to the Executive Board of IST-ID within 30 working days, both counted from the respective notification

Application deadline and formalization: The call is open from December 16 until December 30, 2024.

It is mandatory to formalize applications with the submission of the following documents:
i) B1 Form – Fellowship application (https://ist-id.pt/concursos/bolsas/);
ii) Curriculum Vitae;

iii) official academic MSc degree certificate;

iv) motivation letter.
v) Proof of enrollment at a course that does not award an academic degree (only after the selection of the candidates and for signing the grant contract);
vi) Declaration on honour that the applicant does not exceed with this contract an accumulated period of two years in this type of studentship, continuously or with interruptions.

Applications must be submitted at https://welcome.isr.tecnico.ulisboa.pt/opportunities/

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