

(BL61/2025-IST-ID)

### Research Studentships (Master or Integrated Master students)

Applications are open for 1 Research Studentship, within the framework of IST-ID DFAA (2023.12465.PEX), financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Biomedical Engineering, Computer Science, Robotics, Electrical and Computer Engineering and similar areas.

**Admission Requirements:** *To be enrolled at an integrated master or a master.*

#### Workplan:

a) Work within Task 2 of the project, namely (i) collaborating in the acquisition and selection of images associated to Diabetic Foot, and (ii) implement the image analysis algorithm to estimate the ulceration risk and other relevant parameters, using the hardware specific to the project (10 months);

b) Work within project's Tasks 3 and 4 (final stages) and in preparation for the hardware tests for acquisition of pedal pulse and integration of the associated robotic devices (2 months).

Both stages above involve the study and field application of knowledge acquired during the bachelor/master's program and hence are complementary of the regular academic work programme.

**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 Instituto de Sistemas e Robótica of Instituto Superior Técnico, under the scientific supervision of Prof João Silva Sequeira and Eng. Gonçalo Sobral Neves.

**Duration:** The research fellowship(s) will have the duration of 12 months. It's expected to begin in April/May 2025, and will not be renewed.

**Monthly maintenance allowance:** According to the values for Research Fellowships awarded by FCT in Portugal ([https://www.fct.pt/wp-content/uploads/2025/02/Tabela\\_valores\\_SMM\\_2025.pdf](https://www.fct.pt/wp-content/uploads/2025/02/Tabela_valores_SMM_2025.pdf)), the amount of the monthly maintenance allowance is €1040,98 being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following: (i) Curriculum evaluation, (ii) Computer programming skills, (iii) Robotics and image processing skills, with weights 50%/30%/20%, respectively. Individual interview will be used in case no decision is reached with the previous method, this being eliminatory.

**Composition of the selection Jury:** Prof João S. Sequeira, Dr. Manuel Marques, Eng. Gonçalo Sobral Neves.

**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 March 18 until March 31, 2025.

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) academic degree certificate, where applicable; iv) proof of enrollment at an academic degree course (Master, Integrated Master or PhD) or at a course that does not award an academic degree; v) motivation letter; vi) (for holders of Bachelor or Master degrees who are enrolled at a course that does not award an academic degree) 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.



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Applications must be submitted via the following link <https://isr.tecnico.ulisboa.pt/scholarships/>.



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