

(BL63/2024_IST-ID)

Scientific Initiation Studentships

Applications are open for 1 Scientific Initiation Studentship, within the framework of project SmartRetail (SMART RETAIL - Contrato 00018 - IST-ID) financed by national funds PRR (Plano de Recuperação e Resiliência - C645440011-00000062), through IAPMEI - Agência para a Competitividade e Inovação, under the following conditions:

Scientific Area: Aerospace, Computer Science, Electrical and Computer Engineering and similar areas.

Admission Requirements:

- a) To be enrolled at an integrated master or master degree,
- b) not to exceed with this contract, including the possible renovations, an accumulated period of two years in this type of studentship, continuously or with interruptions.

Workplan: We aim to use an autonomous mobile robot (CoBot - <http://www.cs.cmu.edu/~coral/projects/cobot/>) for specific tasks in retail settings. In this scope, we will implement and develop object detection/recognition methods and path planning strategies and address some social robotics challenges.

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 Professor João Sequeira and co-supervision of Doctor Manuel Marques.

Duration: The research fellowship will have the duration of 4 months. It's expected to begin in April 2024 and may be eventually renewed up to the maximum of 12 months, including the duration of the initial contract.

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 601,12€, being the payment method an option of the Fellow by Wire Transfer.

Selection methods: The selection methods will be the following i) Curriculum evaluation, ii) Programming skills and iii) Robotics/Computer Vision experience with a respective weight of 50%/30%/20%. There may be a possible individual interview, eliminatory in nature, to be used only if the previous selection method is not enough for a decision.

Composition of the selection Jury: Professor João Paulo Costeira, João Sequeira and Doctor Manuel Marques.

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 22 until April 4, 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) proof of enrollment at a Master or Integrated Master;
- v) declaration on honour that the applicant does not exceed with this contract, including the possible renovations, an accumulated period of one year in this type of studentship, continuously or with interruptions, and has not held any other fellowship directly or indirectly funded by FCT.

Applications must be submitted to the email: manuel@isr.tecnico.ulisboa.pt