

1 Research Studentship for PhD students

Applications are open for 1 Research Studentship for PhD Students, within the framework of project Responsible.AI (Contrato nº 12 - IST-ID) financed by national funds PRR (Plano de Recuperação e Resiliência), through IAPMEI - Agência para a Competitividade e Inovação, under the following conditions:

Scientific Area: Electrical, Computer and Information Engineering

Admission Requirements: To be enrolled at a PhD, at the starting date of the grant contract.

Workplan: In order to have a bimanual robot that acts as a fruit picking assistant, it is important to develop algorithms that provide the skill of grasping fragile objects in unstructured environments, as well as cutting stems. The goal is for a robotic arm with a dexterous hand and a cutting tool, to learn how to grasp fruits and cut stems. By using visual input, the robotic arm should be able to select the best pose of the hand with respect to the fruit to grasp it. In addition, the second hand should execute the cutting action.

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 Doctor Plinio Moreno López.

Duration: The research fellowship will have the duration of 7 months. It's expected to begin in December 2025, and may be eventually renewable.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<https://www.fct.pt/fct-atualizou-o-valor-das-bolsas-para-2025/>), the amount of the monthly maintenance allowance is € 1309,64 €, being the payment method by Wire Transfer.

Selection methods: The selection methods will be the following: Curriculum evaluation, namely background in the research area defined in the workplan, with the respective weight of 100%.

Composition of the selection Jury: Dr. Plinio Moreno López, and Professors José A. R. Santos-Victor and Alexandre Bernardino.

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, or an appeal to the Executive Board of IST-ID, within 15 working days counted from the respective notification.

Application deadline and formalization: The call is open from November 10 until November 21, 2025.

It is mandatory to formalize applications with the submission of the following documents:

- i) B1 Form – Fellowship application (<https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados/>);
- ii) Curriculum Vitae;
- iii) official academic degree certificate, where applicable;
- iv) proof of enrollment in a doctoral program;
- v) motivation letter.

Applications must be submitted to <https://isr.tecnico.ulisboa.pt/scholarships/>