

## One Scientific Initiation Studentships

Applications are open for one Scientific Initiation Studentship, 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 as a Bachelor, Master or Integrated Master student, at the starting date of the grant contract.

**Workplan:** the research activities will be organized according to the following PROFILE:

**Profile (Sense for Grasping):** the objective is to investigate whether miniature depth sensors (VL53L5CX) embedded in the palm and finger phalanges of a robotic hand can improve approach-phase control in grasping tasks. The work includes sensor integration, building a simple 2-finger motorized prototype, and developing perception-to-control algorithms. The prototype will be electrically/kinematically compatible with iCub and Vizzy humanoid robots. Knowledge and experience in electronics, programming, and robotics is necessary.

**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://dre.pt/application/file/a/127230968>.

**Workplace:** The work will be developed at VisLab – Institute for Systems and Robotics, LARSyS, under the scientific supervision of Professors José Santos-Victor, Alexandre Bernardino, and Catarina Barata

**Duration:** The research fellowship(s) will have the duration of 3 months. It's expected to begin in February 2026, and may be eventually renewed up to the maximum of 6 months, including the duration of the initial contract.

**Monthly maintenance allowance:** the amount of the monthly maintenance allowance is €651.12, being the payment method by Wire Transfer.

**Selection methods:** The selection methods will be the following: Curriculum evaluation and motivation letter with the respective weight of 70/30%. An interview may be required to support the ranking of the candidates.

**Composition of the selection Jury:** Professors José Santos-Victor, Alexandre Bernardino, and Catarina Barata.

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

**Deadlines and procedures of complaint and appeal.** After notification of the provisional list of evaluation results, candidates have a period of 10 working days to, if they wish, make a statement at a preliminary hearing of interested parties, in accordance with Articles 121 et seq. of the Code of Administrative Procedure. The final decision will be made after analyzing the statements presented at the preliminary hearing of interested parties. The final decision may be appealed to the competition jury or to the President of IST-ID within 15 working days of notification.

**Application deadline and formalization:** The call is open from January 23 until February 5, 2026.

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) academic degree certificate, where applicable;
- iv) proof of enrollment at an academic degree course
- v) motivation letter;

vi) A 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/>