

(BL2/2025\_IST-ID)

### 3 Research Studentships for students of a course that does not award an academic degree

Applications are open for three Research Studentships for students of a course that does not award an academic degree, within the framework of project Center for Responsible AI, reference 1801P.01320.1.01 Responsible.AI\_ Contrato nº 62 - IST-ID, financed by national funds through PRR, under the following conditions:

**Scientific Area:** Machine Learning

**Admission Requirements:**

- a) 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;
- b) not to exceed with this contract, including the possible renovations, an accumulated period of one year in this type of studentship, continuously or with interruptions.

**Workplan:** To study methods of optimization and machine learning that are efficient in the sense of requiring low amounts of data. This is quite important both in classical machine learning, to reduce the amount of labeled data required to train models, and in robotics/experimental design, to reduce the amount of exploration required to learn and optimize processes. Topics of application include learning robotics controllers (in which data gathering is costly), learn models of video based activity recognition (in which data labeling is time consuming), and optimize systems that interact with humans (in which data gathering is weary for subjects).

**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; IST-ID Research Fellowships Regulation, available on [https://ist-id.pt/files/sites/43/regulamento-de-bolsas-da-ist\\_id-2.pdf](https://ist-id.pt/files/sites/43/regulamento-de-bolsas-da-ist_id-2.pdf).

**Workplace:** The work will be developed at Instituto de Sistemas e Robótica (VisLab), from Instituto Superior Técnico, under the scientific supervision of Professor Alexandre Bernardino.

**Duration:** The research fellowship will have a duration of 6 months. It is expected to begin in February and may eventually be renewed up to the maximum of 12 months, including the duration of the initial contract.

**Monthly maintenance allowance:** the amount of the monthly maintenance allowance is € 1259.64€, being the payment method an option of the Fellow by Wire Transfer.

**Selection methods:** Curriculum evaluation (50%) and previous experience on the topics related to the grant (50%). The candidates may be invited for an interview, for additional discrimination between levels of expertise.

**Composition of the selection Jury:** Professors Catarina Barata, José 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 within 15 working days, or an appeal to the Executive Board of IST within 15 working days, both counted from the respective notification.

**Application deadline and formalization:** The call is open from January 21 until February 3, 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) 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 one year in this type of studentship, continuously or with interruptions.

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