(BL297/2024_IST-ID)

1 Research Studentship for MSc student

Applications are open for 1 Research Studentship for MSc Student, 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 MSc, at the starting date of the grant contract.

Workplan: This project aims to explore the role of gaze by a robotic arm during an assembly task. The task would be a puzzle between two people and one robot to simplify a real-world collaborative setting. The human-robot collaborative task is to build a 3D structure made from different blocks. Each player holds blocks of one colour, finishing the structure upon assembling the blocks correctly. The student will create an autonomous robotic collaborator that locates and tracks the position of the blocks, follows the blocks (to convey gaze or attention), and finds and tracks the eye gaze by human players (through existing tools such as OpenFace). Additionally, the student will conduct empirical studies to test and evaluate the effectiveness of the collaboration and the robotic solution and submit scientific papers with the experimental results.

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 .

Workplace: The work will be developed at Institute for Systems and Robotics / LARSyS of Instituto Superior Técnico, under the scientific supervision of Doctor Filipa Correia and Doctor José Santos-Victor.

Duration: The research fellowship will have the duration of 12 months. It is expected to begin in February 2025, and may be eventually renewable up to the maximum of 24 months, including the duration of the initial contract.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is € 990.98€, being the payment method of the Fellow 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. Filipa Correia, 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 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 January 8 until January 21, 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 degree certificate, where applicable;
iv) proof of enrollment in a M.Sc. program;
v) motivation letter.
vi) 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/