

(BL88/2026 IST-ID)

Research Studentships for PhD students

Applications are open for 1 Research Studentship, within the framework of project 1801P.01158.1.05 - IRSG LAB/ISR and 1801P.01460.1.05 - IRSG LAB/ISR LARSYS/ISR BASE 2025-2029, funded by FCT under the following conditions:

Scientific Area: Automation, Control, and Robotics

Admission Requirements: To be enrolled at a PhD (at contracting time)

Workplan: Selected candidates will contribute to cutting-edge research on human-swarm interaction using Mixed Reality (MR) and Extended Reality (XR) frameworks, with a particular focus on the design and implementation of intuitive, effective, and robust methods for enabling human operators to supervise, control, and coordinate teams of small aerial robots. The work will address real-world multi-drone applications such as search and rescue, surveillance, and infrastructure inspection, with emphasis on operation in dynamic and uncertain environments. Research tasks will include the development of mixed reality interfaces, adaptive autonomy mechanisms, and shared-control strategies that support efficient situational awareness, decision-making, and seamless collaboration between the human operator and the robotic swarm.

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 the Institute for Systems and Robotics of Instituto Superior Técnico.

Duration: The research fellowships will have an initial duration of 6 months, renewable. It's expected to begin in 1st July 2026.

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-2026/>), the amount of the monthly maintenance allowance is € 1359.64€, being the payment method by Wire Transfer.

Selection methods: The selection methods will be the following: Curriculum evaluation, and individual interview to a short list of candidates, with the respective weight of 100% to the curriculum evaluation, adjusted in the case of an interview.

Composition of the selection Jury: Dr. Meysam Basiri, Prof. Rodrigo Ventura, and Prof. Pedro U. Lima

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

FCT - 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 May 22 until June 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) motivation letter;

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



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