

Research Studentships for PhD students

Applications are open for 1 Research Studentship, within the framework of project Aero.Next (1801P.01227.1.01 Aero next – 00000066 contrato N.º 31 – IST-ID) funded by national funds through PRR (Plano de Recuperação e Resiliência), through IAPMEI – Agência para a Competitividade e Inovação, under the following conditions:

Scientific Area: Automation, Control, and Robotics

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

Workplan: The research position offered under this scholarship are part of the Aero.Next project, which focuses on developing swarm technologies for unmanned aerial systems (UAS) applied to surveillance and search and rescue (SAR) missions. The selected candidates will contribute to the development of methods for human-swarm interaction, with an emphasis on designing and implementing intuitive and effective strategies for human operators to control and coordinate a fleet of small aerial robots. This includes exploring mixed reality interfaces, adaptive autonomy, and shared control approaches to enable seamless interaction between the operator and the swarm in dynamic mission environments.

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 Regulation of Scientific Research Fellowships, available on <https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>.

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 10 months, eventually renewable until the end of the project, with the limit of 48 months, including the duration of the initial contract. It's expected to begin in September 2025.

Monthly maintenance allowance: 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, 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.

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 August 21 until September 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) academic degree certificate, where applicable; iv) motivation letter;

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