(BL34/2026-IST-ID)

Research Studentships (for Master students)

Applications are open for 3 Research Studentships, within the framework of (1801P.01521.1.01) gEICko-101223148 - IST-ID, funded by The European Innovation Council (EIC), under the following conditions:

Scientific Area: Automation, Control, and Robotics

Admission Requirements: *To be enrolled at a Master.*

Workplan: These master grants concern scientific topics in the scope of the EIC Pathfinder project gEICko (Gecko based Innovative Capture Kit for uncooperative and unprepared Orbital assets), focused on the develop a capture kit for docking uncooperative spacecraft, such as satellites and rocket stages, through innovative use of Gecko-inspired micro-patterned dry adhesives (MDA). The topics for the three grants are the following:

1. This grant aims to benchmark deep learning-based CAD-Free RGB(D) pose estimation methods for spacecraft applications (2 grants)

2. This grant aims to develop robust MPC strategies based on two player optimization for optimal guidance of Spacecrafts in rendezvous missions. (1 grant)

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/documentos/recursos-humanos/bolseiros/#1690453819726-6707f7f2-ce04

Workplace: The work will be developed at Institute for Systems and Robotics - Lisboa, under the scientific supervision of Rodrigo Ventura (all topics), Atabak Dehban (topic 1), and Daniel Silvestre (topic 2).

Duration: The research fellowships will have the duration of 12 months, renewable. It's expected to begin in April 2026.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is 1040,98€ being the payment method by Wire Transfer.

Selection methods: The selection methods will be the following: *Curriculum evaluation*, with the respective weight of 100%.

Composition of the selection Jury: Rodrigo Ventura, João Paulo Monteiro, and Atabak Dehban.

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 March 9 until March 13, 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) motivation letter;

Applications must be submitted at https://isr.tecnico.ulisboa.pt/scholarships