

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

Applications are open for 1 Research Studentship(s), within the framework of project/R&D institution LA/P/0083/2020 ISR Lisboa, financed by national funds through FCT, under the following conditions:

Scientific Area: Electrical, Computer and Information Engineering

Admission Requirements:

a) to hold a bachelor or 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 two years in this type of studentship, continuously or with interruptions.

Workplan: We aim to apply supervised learning approaches to grasp large objects with two robotic hands and using an RGB-D camera. The plan includes the data gathering of the poses of the two hands with respect to the point cloud of the object in simulation, extracting both successful and unsuccessful grasps. The second step is to estimate the parameters of a learning model, to be able to estimate successful grasping poses.

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://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and <https://dre.pt/application/file/a/127230968>.

Workplace: The work will be developed at the computer vision and robotics laboratory of the Institute for Systems and Robotics of Instituto Superior Técnico, under the scientific supervision of Dr. Plinio Moreno López

Duration: The research fellowship will have the duration of 12 months. It is expected to begin in December. Not renewed.

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-2025/>), 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: Previous knowledge and experience on the areas related to the workplan, with the respective weight of 100%.

Composition of the selection Jury: Dr. Plinio Moreno López, and Professors José A. R. Santos-Victor and Alexandre Bernardino.

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

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

Application deadline and formalization: The call is open from November 6 until November 19, 2025.

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) proof of enrollment at a course that does not award an academic degree; 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 to <https://isr.tecnico.ulisboa.pt/scholarships/>



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