

1 Research Studentships (Master or Integrated Master students)

Applications are open for one Research Studentship, within the framework of project/R&D institution 1801P.00984.1.05 – IRSg UIDB/50009/2020, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Automation, Control and Robotics

Admission Requirements: *To be enrolled at an integrated master or a master.*

Academic degrees obtained in foreign countries shall be registered by a Portuguese institution, according to the Decree-Law nr. 66/2018, of August, 16th, and the Ordinance nr. 33/2019, of January, 25th. It is mandatory to present the certificate to sign the contract. More information is available on: <https://www.dges.gov.pt/pt/pagina/reconhecimento?plid=374>

Workplan: The selected candidate will work on the topic of “Multi-modal Aerial Robots” aiming to design bimodal robots that can fly and locomote on surfaces, such as walls, ground, and inclined structures. The student is expected to prototype two bi-modal aerial-robot designs with passive wheels, implement controllers for different modes of operation, and to test and compare the designs through real-world experiments.

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 Institute for Systems and Robotics of Instituto Superior Técnico, under the scientific supervision of Dr Meysam Basiri

Duration: The research fellowship will have the duration of six months. It's expected to begin in July 2021 and may be eventually renewed.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>), the amount of the monthly maintenance allowance is € 835,98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: 1) *Curriculum evaluation*, 2) *Previous experience in designing and prototyping robots*, 3) *Individual interview of the top three candidates, with the respective weight of 1) 40%, 2) 30% and 3) 30%*.

Composition of the selection Jury: Dr Meysam Basiri, Prof. Pedro Lima, Dr Pedro Miraldo

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 11 until 24 June 2021.

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) proof of enrollment at an academic degree course (Master, Integrated Master) or at a course that does not award an academic degree; v) motivation letter

Applications must be submitted to the email: meysam.basiri@tecnico.ulisboa.pt