

(BL168/2021-IST-ID)

Research Studentships (Master or Integrated Master students)

Applications are open for 1 Research Studentship (Master or Integrated Master students), within the framework of project 1801P.01052.1.01 FirePuma, PCIF/MPG/0156/2019, 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.*

Workplan: The work plan includes the development of route planning algorithms for autonomous systems when the utility functions are expressed as probability density functions or approximations/discretization of those. The work plan will finish with the experimental validation on a drone for a surveillance mission to validate this objective in the project.

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 ISR – Institute for Systems and Robotics of Instituto Superior Técnico, under the scientific supervision of Prof Rita Cunha and Prof. Daniel de Matos Silvestre

Duration: The research fellowship will have the duration of 12 months. It's expected to begin in November/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.

Selection methods: The selection methods will be the following: academic background of the candidate with relevance to the workplan and individual interview, with the respective weight of 70% for the CV and 30% for the interview.

Composition of the selection Jury: Rita Cunha, David Cabecinhas, Pedro Casau and Daniel Silvestre.

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 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 12 until 25 November 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 or Integrated Master); v) motivation letter.

Applications must be submitted to the email: dsilvestre@isr.tecnico.ulisboa.pt