

(BL169/2021-IST-ID)

### Research Studentships (PhD students)

Applications are open for 1 Research Studentship (PhD 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 a PhD.*

**Workplan:** The workplan aims at developing estimation algorithms for dynamical systems that fuse different measurement sources affected by perturbations and noise with distinct probability distributions. It will also be explored the concept of stochastic reachability for dynamical systems when using the proposed algorithms.

**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 Rita Cunha and Daniel de Matos Silvestre

**Duration:** The research fellowship will have the duration of 6 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 € 1104.64, being the payment method an option of the Fellow by Wire Transfer.

**Selection methods:** The selection methods will be the following: Curriculum and background of the applicant with relevance to the workplan and an individual interview, with the respective weight of 70% for the curriculum 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 (PhD); v) motivation letter.

Applications must be submitted to the email: [dsilvestre@isr.tecnico.ulisboa.pt](mailto:dsilvestre@isr.tecnico.ulisboa.pt)