

(BL71/2019_IST-ID)

CALL FOR ONE (1) RESEARCH FELLOWSHIP

Applications are open for 1 research fellowship, within the framework of project REPLACE (1801P.00737.1.01.01 - LISBOA-01-0145-FEDER-032107) (more details at <https://goo.gl/Eerh9v>), with the financial support of FCT/MCTES through national funds and co-financed by the FEDER, under the Partnership Agreement PT2020, under the following conditions:

Scientific Area: Aerospace Engineering, Electrical and Computer Engineering, Mechanical Engineering, or similar.

Admission Requirements: 1. Hold a MSc degree* in one of the scientific areas above; 2. Have well-founded knowledge on control and estimation theory; 3. Have some knowledge of drone components and operation.

*Applicants with foreign degrees shall have the degree registered or recognized/with equivalence in Portugal, under the terms of Decree-Law nr. 341/2007, of October 12th, or Decree-Law nr. 283/83, of June 21st, respectively.

Workplan: Research on planning, control, and estimation methods for the use of multiple drones in parcel delivery in urban environments, with development of drone prototypes tailored for relay maneuvers during flight.

Legislation and Regulations: Lei n.º 40/2004, de 18 de agosto (Estatuto do Bolseiro de Investigação Científica); Regulamento de Bolsas de Investigação da Fundação para a Ciência e a Tecnologia em vigor (<https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2018.pdf>); Regulamento de Bolsas de Investigação do IST-ID.

Workplace: The work will be developed at ISR-Lisboa, at Instituto Superior Técnico, Lisbon, Portugal, under the scientific supervision of Bruno João Nogueira Guerreiro.

Duration: The research fellowship will have the duration of 12 months. It's expected to begin in May 2019, and may be eventually renewed up to the maximum of 25 months.

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 €989.7, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will focus primarily on the curriculum (80%) and experience (10%) of the candidates, while individual interviews (10%) may also be conducted for the candidates with higher scores. The Jury may select no candidate if none of the applications match the criteria.

Composition of the selection Jury: President: Bruno João Nogueira Guerreiro (nº mec. 5902), Members: Rita Maria Mendes de Almeida Correia da Cunha (nº mec. 5679), Paulo Jorge Coelho Ramalho Oliveira (nº mec. 3093).

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

Application deadline and formalization: The call is open from 12 until 25 March 2019.

It is mandatory to formalize applications with the submission of the following documents: B1 Form – Fellowship application (<http://ist-id.pt/documentos/bolsas-de-investigacao/>) *Curriculum Vitae*, *academic degree certificate*, *motivation letter*, and *foreign degree recognition request if necessary*. Applications must be submitted to the email: bguerreiro@isr.tecnico.ulisboa.pt