

(BL30/2018_IST-ID)

EDITAL PARA A ATRIBUIÇÃO DE BOLSAS NO ÂMBITO DE PROJETOS E INSTITUIÇÕES DE I&D

CALL FOR T RESEARCH FELLOWSHIPS FOR Bachelor degree

Applications are open for 1 research fellowships for Bachelor degree (BIL), within the framework of project/R&D institution 1801P.00461.1.05 - UID/EEA/50009/2013 (IRSG) financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Robotics

Admission Requirements: Bachelor degree in Electrical and Computer Engineering or equivalent

Workplan: The selected candidates will work in the problem of robust localization of a free-flyer robot under microgravity, using computer vision. The method should fuse, in a Bayesian sense, information from multiple sensors on the robot, namely inertial measurement unit (IMU) and one or more cameras, to provide a pose estimation (localization and attitude) of the robot, together with a measure of its uncertainty. Both natural and artificial landmarks will be used.

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 (www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf); Regulamento de Bolsas de Investigação do IST-ID.

Workplace: The work will be developed at Institute for Systems and Robotics (ISR-Lisbon) of the Instituto Superior Técnico, under the scientific supervision of Prof. Rodrigo Ventura.

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin in April 2018, and it is renewable.

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 € 980, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: Curriculum evaluation, and an interview of the best 3 candidates in the Curriculum evaluation, with the respective weight of 50% for each one of these two components.

Composition of the selection Jury: Prof. Pedro U. Lima; Prof. Rodrigo Ventura; Prof. Luis Custódio

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 26/03/2018 until 09/04/2018.

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 and motivation letter*. Applications must be submitted to the email: rodrigo.ventura@isr.tecnico.ulisboa.pt