

(BL147/2023-IST-ID)

Scientific Initiation Studentships

Applications are open for one Scientific Initiation Studentship, within the framework of project RAMONES (1801P.01089), financed by international funds, under the following conditions:

Scientific Area: Sistemas, Decisão e Controlo / Systems, Decision and Control

Admission Requirements: *To be enrolled at a professional higher technical course, at a bachelor degree, at an integrated master or master degree;*

Workplan: The work will focus on the integration of a new command-and-control webapp console with the existing marine robotics software stack at ISR/IST and its adaptation to improve the user experience of the cooperative operation of marine autonomous vehicles. This will involve the interface of vehicle's ROS systems (in Python and C++) with the JSON API of the command-and-control webapp and addition of new features to the webapp (using the frameworks AngularJS and MongoDB).

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 DSOR Lab of ISR/IST, under the scientific supervision of Dr. David Cabecinhas.

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin in May 2023, 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 541,12 € (five hundred forty one euros and twelve cents), being the payment method by wire transfer.

Selection methods: The selection methods will be the following: 60% Curriculum evaluation and 40% Technical and scientific knowledge in software engineering and relevant technologies. Videoconference interviews may be conducted if deemed necessary for clarification.

Composition of the selection Jury: Dr. David Alexandre Cabecinhas, Professor Rita Maria Mendes de Almeida Correia da Cunha, and Professor Pedro Tiago Martins Batista.

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 May 19 until May 25, 2023.

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 or at a course that does not award an academic degree; v) motivation letter;

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