

Research Studentships (for Master or Integrated Master students)

Applications are open for 3 Research Studentships, within the framework of “CAPTURE: shuttle drone for launch and capture in cooperative and non-cooperative scenarios” (<http://bit.ly/CaptureProj>), ref. PTDC/EEI-AUT/1732/2020, with the financial support of FCT/MCTES through national, under the following conditions:

Scientific Area: Systems, Decision and Control.

Admission Requirements: *To be enrolled at an integrated master or a master.*

Workplan: Each of the Studentships will focus on developing the systems, algorithms and operation of: (i) a quadrotor shuttle drone; (ii) a glider target drone; and (iii) a capture mechanism to be coupled to the shuttle drone in order to capture the target drone. This work is fully aligned with the curricular plan of MEEC, MEAer and MEMec, complementing and leading to greater levels of understanding and knowhow, eventually preparing them for a dissertation in these areas.

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 the Institute for Systems and Robotics (ISR-Lisbon), of Instituto Superior Técnico, under the scientific supervision of Prof. Bruno Guerreiro and Prof. Rita Cunha.

Duration: The research fellowships will have a duration of 5 months. It's expected to begin in October/november 2024 and may be eventually renewed up till the end of the project (end of march 2025), with the limit of 24 months, including the duration of the initial contract.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf), the amount of the monthly maintenance allowance is €990.98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: curriculum evaluation (70%), experience (20%), and, if necessary, an individual interview (10%).

Composition of the selection Jury: President: Bruno João Nogueira Guerreiro (ist147939), Members: Rita Maria Mendes de Almeida Correia da Cunha (ist31057), Paulo Jorge Coelho Ramalho Oliveira (ist13093).

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 September 30 until October 11, 2024.

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, Integrated Master); v) motivation letter.

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



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