

Research Grant

A call for tenders is open for the award of 1 (one) Research Grant under the project “CAPTURE: shuttle drone for launch and capture in cooperative and non-cooperative scenarios” (<http://bit.ly/CaptureProj>), with the reference PTDC/EEI-AUT/1732/2020, for the development of R&D activities to be carried out by doctoral students or by graduates and masters enrolled in non-academic degree courses, with the financial support of the FCT/MCTES OE Budget component, under the following conditions:

Scientific Areas: Decision and Control Systems, Robotics and Mechatronics.

Admission requirements:

- a) be enrolled in a doctorate or have a degree or master's degree enrolled in a non-academic degree course;
- b) do not exceed, with the conclusion of the scholarship contract in question, including possible renewals, an accumulated period of four years, followed or interpolated if enrolled in a PhD and 1 year if a graduate or master enrolled in a course that does not academic degree, for this type of scholarship;

Applicants who have obtained the degree abroad must have the degree recognized in Portugal, under the terms of Decree-Law no. 66/2018, of 16 August.

Work Plan: The candidate will develop predictive control methods based on models for launching and capturing drones in a cooperative manner, eventually considering distributed strategies. The candidate will also participate in the specification, instrumentation and testing activities of the shuttle drone that will be used throughout the project.

Legislação e regulamentação aplicável: Statute of the Scientific Research Fellow, approved by Law No. 40/2004, of 18 August, amended and republished by Decree-Law No. 202/2012, of 27 August and amended by Decree-Law No. 233/2012, of 29 October, by Law No. 12/2013, of 29 January and by Decree-Law No. 123/2019, of 28 August and the Regulation for Research Grants of the Foundation for Science and Technology, IP - 2019
<https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and
<https://dre.pt/application/file/a/127230968>.

Workplace: The work will be developed at UNINOVA, under the scientific guidance of Doctor Bruno João Nogueira Guerreiro.

Scholarship duration: The scholarship will have a duration of 6 months, possibly renewable for a period of 12 months, within the period of validity of the project, provided that it does not cumulatively

exceed the period mentioned in subparagraph b) of the admission requirements or the end date of the project and has start scheduled for 01/05/2021.

Monthly maintenance allowance amount: The scholarship amount corresponds to € 1 104.64, according to the table of scholarship values directly attributed by FCT, I.P. in the country (<http://www.fct.pt/apoios/bolsas/valores>).

The scholarship will be paid monthly on the last working day of each month by bank transfer.

Selection methods: The selection methods to be used will be as follows:

- Curriculum Vitae [50%];
- Experience in the contest areas, with emphasis on the topics of the work plan [30%].
- Interview with the best ranked candidates (if necessary) [20%]

Composition of the Selection Jury:

1. Doutor Bruno João Nogueira Guerreiro Prof. Auxiliar
Universidade Nova de Lisboa, Portugal
2. Doutor Rui Alexandre Nunes Neves da Silva Prof. Associado
Universidade Nova de Lisboa, Portugal
3. Doutor Fernando José Vieira do Coito Prof. Associado
Universidade Nova de Lisboa, Portugal

Form of advertising / notification of results: The final results of the evaluation will be published through an alphabetically ordered list, posted in a visible and public place at UNINOVA as well as on the respective website, with approved candidates being notified via email.

Application deadline and form of submission of applications: The call is open from 15 April 2021 until 17:00 hours of 28 April 2021.

Applications must be formalized, by sending a letter of application accompanied by the following documents: Curriculum Vitae, Motivation Letter, Certificate of Qualification, proof of enrollment in a cycle of studies, copy of identification document and other documents attesting to the reported in the CV.

Applications must be delivered to UNINOVA or submitted by email to bj.guerreiro@fct.unl.pt.