

(BL241/2023-IST-ID)

Scientific Initiation Studentships

Applications are open for 1 Scientific Initiation Studentships, within the framework of project/R&D institution CERIS BASE 2020-2023 (UIDB/04625/2020 - RG5 - Studies on Construction), with the financial support of FCT/MCTES through national funds, under the following conditions:

Scientific Area: Civil, Aerospace, Naval and Ocean Engineering, Mechanical or related

Admission Requirements:

- a) To be enrolled at a professional higher technical course, at a bachelor degree, at an integrated master or master degree, or to have a bachelor degree and be enrolled at a course that does not award an academic degree and it is integrated in the educational project of a higher education institution, performed in association or cooperation with one or several R&D units;
- b) not to exceed with this contract, including the possible renovations, an accumulated period of one year in this type of studentship, continuously or with interruptions;
- c) not to have held any other fellowship directly or indirectly funded by FCT.

Workplan: The work to be carried out focuses on the processing of data concerning the condition or performance of natural gas pipelines; development and implementation of algorithms for the automatic identification of anomalies in pipelines; treatment of existing data and statistical analysis of possible causes of degradation and their consequences.

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 CERIS (Civil Engineering Research and Innovation for Sustainability) of Instituto Superior Técnico, under the scientific supervision of Dr. Ana Silva and Dr. Maria Paula Mendes.

Duration: The research fellowship(s) will have the duration of 4 months. It's expected to begin in October/2023. The scholarship contract is not renewable.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (https://www.fct.pt/wp-content/uploads/2023/02/Tabela-de-Valores-SMM_2023.pdf), the amount of the monthly maintenance allowance is €541,12, being the payment method by Wire Transfer.

Selection methods: The selection methods will be the following: curricular assessment - 70%, and individual interview (optional) - 30%. The curricular evaluation will be carried out according to the following components: enrolment and classification in a higher education course in the area of Civil, Aerospace, Naval and Ocean Engineering, Mechanical or related (60%); experience in the area of durability and maintenance of constructions (40%). In case of a tie, the three best classified candidates in the curricular evaluation will be selected for the interview (30%). The final evaluation results from the sum of the curricular evaluation and the interview evaluation. If none of the candidates has the appropriate profile, the scholarship will not be awarded.

Composition of the selection Jury: Dr. Ana Silva, Dr. Maria Paula Mendes and Dr. Jónatas Valença.

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 13 until 26 September, 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; vi) declaration on honour that the applicant does not exceed with this contract, including the possible renovations, an accumulated period of one year in this type of studentship, continuously or with interruptions, and has not held any other fellowship directly or indirectly funded by FCT.

Applications must be submitted to the email: bolsas@drh.tecnico.ulisboa.pt