

(BL122/2025-IST-ID)

Scientific Initiation Studentships

Applications are open for 1 Scientific Initiation Studentships, within the framework of project/1801P.01515 - StreamWater, in the institution IST-ID, reference no. 2024.07282.IACDC/2024, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Civil Engineering

Admission Requirements:

- a) *To be enrolled in the master degree of civil engineering in the Area of Specialization in Hydraulics and Water Resources and have experience using the Python programming language;*
- 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: Development of methodologies and computational algorithms for the identification of anomalous behaviors in flow rate and pressure measurements in a distribution network and energy consumption measurements in pumping stations.

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 Prof^a Dília Covas.

Duration: The research fellowship will have the duration of 8 months. It's expected to begin in June 2025 and may be renewed up to the maximum of 12 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/fct-atualizou-o-valor-das-bolsas-para-2025/>), the amount of the monthly maintenance allowance is € 651,12, being the payment method of the Fellow by wire transfer.

Selection methods: The selection methods will be the following: (i) average score in the courses of Hydraulics and Water Resources (30%); (ii) experience in participating in various projects, activities and initiatives in an academic environment at IST (30%); (iii) motivation letter (40%). If necessary, an individual interview may be carried out which will be an arithmetic average with the previous curricular component

Composition of the selection Jury: Prof.^a Dília Isabel Cameira Covas (president), Prof.^a Marta Sofia Ferreira Martins Mota Cabral (member), Prof.^a Helena Margarida Machado da Silva Ramos (member), Prof. Jorge de Saldanha Gonçalves Matos (member substitute).

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 May 7 until May 20, 2025.



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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: didia.covas@tecnico.ulisboa.pt



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