

Scientific Initiation Studentships

Applications are open for 1 Scientific Initiation Studentship, within the framework of project/R&D institution 1801P.01577 COASTLIFE, (2023.16028.ICDT), financed by national funds through FCT/MCTES, under the following conditions:

Scientific Area: Civil Engineering

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 workplan includes the following tasks:

- review of relevant literature and previous studies on wave overtopping, coastal defence structures, numerical modelling and stepped revetments;
- development of pre- and post-processing scripts to analyse numerical modelling simulations;
- implementation of a phase-resolving wave model to simulate wave propagation and wave overtopping of coastal revetments;
- calibration of a phase-resolving wave model against existent physical modelling experiments;
- writing of the technical report.

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://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. Diogo Mendes.

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin in March 2026. This research fellowship is not renewable.

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 an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following:

- Curricular evaluation with a focus on hydraulic-related disciplines (30%);
- Relevant academic, professional or research experience in the area of this fellowship, such as maritime, ocean or coastal engineering (30%)



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- Individual interview (40%) associated with maritime hydraulics, coastal engineering and numerical methods either in person or online.

Composition of the selection Jury: Prof. Diogo Silva Mendes, Prof. José Pedro Gamito de Saldanha Calado Matos, Prof. Ana Margarida da Costa Ricardo.

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 February 6 until February 20, 2026.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>); 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: diogo.silva.mendes@tecnico.ulisboa.pt



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