

(BL144/2024-IST-ID)

Research Studentships (Master or Integrated Master students)

Applications are open for 1 Research Studentship, within the framework of project/R&D institution **CERIS BASE 20-23/UIDB/04625/2020**, 1801P.00977.1.01), financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Civil Engineering

Admission requirements: The candidate must be enrolled in an integrated master's degree or a master's degree in Civil Engineering. Preference will be given to students who wish to develop their master's thesis within the scope of the project's research activities.

Work plan: The selected candidate will carry out research activities within the scope of the FireFRPrebar project - *Fire behavior of reinforced concrete slabs with recyclable and thermoformable thermoplastic GFRP rods*. The work plan includes the following activities: (i) preparation and assembly of concrete slab strips reinforced with GFRP bars; (ii) performing fire resistance tests and analyzing the obtained results; (iii) numerical simulation of the tests using finite element models; and (iv) proposal of preliminary recommendations for the fire design of concrete structures reinforced with thermoplastic GFRP bars.

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 of Associação do Instituto Superior Técnico para a Investigação e o Desenvolvimento (IST-ID)), under the scientific supervision of Doctor Inês Rosa, Professor João Correia and Professor João Firmo.

Duration: The research fellowship(s) will have the duration of 4 months. It's expected to begin in July 2024. The 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/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.

Selection methods: The selection methods to be used will be the following: (i) curriculum assessment (75% weighting) and (ii) interview (25% weighting).

Composition of the selection Jury: Doctor Inês Rosa, Professor João Ramôa Correia, Professor João Firmo.

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 June 19 until July 2, 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;.



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



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