

(BL56/2025)

Research Studentship (for PhD students)

Applications are open for one (1) Research Studentship(s), within the framework of project/ R2UTechnologies, internal reference 1018P.06284, financed by Plano de Recuperação e Resiliência (PRR-IAPMEI), under the following conditions:

Scientific Area: Civil Engineering

Admission Requirements: *To be enrolled at a PhD.*

Workplan: The candidate to be selected is expected to develop the following activities in the framework of the project R2UTechnologies: (i) to experimentally assess the post-fire behaviour of the slab-wall connections; (ii) to develop numerical/analytical model to predict the temperature distribution in the slab-wall connections; (iii) to write scientific reports/papers about the developed activities.

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; IST Regulation for Research Studentships and Fellowships, available on https://drh.tecnico.ulisboa.pt/files/sites/45/despacho_8532_regulamento_bolsas.pdf.

Workplace: The work will be developed at CERIS of Instituto Superior Técnico (IST), under the scientific supervision of Professor João Pedro Firmo.

Duration: The research fellowship will have the duration of 9 months. It's expected to begin in May 2025 and end in December 2025 (coincident with the conclusion date of the funding project); the research fellowship is not renewable.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is €1309,64, being the payment method of the Fellow by wire transfer.

Selection methods: The selection methods will be the following: Evaluation of the academic curriculum (40%), previous experience, proven by publications on scientific journals, conferences and participation in research projects on the following topic related to workplan (60%): (i) mechanical behaviour of materials at elevated temperatures, (ii) structural behaviour of reinforced concrete structures at elevated temperatures; (iii) numerical simulation of reinforced concrete structures. If necessary or in case of draw, individual interviews will be conducted – in this case, a global weight of 25% will be given for the personal interview.

Composition of the selection Jury: Professors Eduardo Júlio, André Filipe Furtado, João Pedro 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, or an appeal to the Executive Board of IST-ID, within 15 working days counted from the respective notification.

Application deadline and formalization: The call is open from April 14 until April 29, 2025.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<http://drh.tecnico.ulisboa.pt/bolseiros/formularios/>); ii) *Curriculum Vitae*; iii) academic degree certificate; iv) proof of enrollment at a PhD (only mandatory at the signature of the contract); v) motivation letter.

Applications must be submitted to the following emails: joao.firmo@tecnico.ulisboa.pt and bolsas@drh.tecnico.ulisboa.pt