

(BL238/2024)

Research Studentships (PhD students)

Applications are open for 1 Research Studentship, within the framework of project R&D R2UTechnologies | Modular Systems, 1018P.06284, financed by national funds through the Resilience and Recovery Program (PRR), under the following conditions:

Scientific Area: Structural Mechanics and Structures – Civil Engineering

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

Workplan: (1) Numerical simulation of the behavior of connections between prefabricated concrete walls using finite elements; (2) Case study analysis; (3) Processing and analysis of results; (4) Preparation of scientific reports and dissemination.

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; Regulamento de Bolsas de Investigação do IST, disponível em https://drh.tecnico.ulisboa.pt/files/sites/45/despacho_8532_regulamento_bolsas.pdf.

Workplace: The work will be developed at the Civil Engineering and Environmental Department of the Instituto Superior Técnico, under the scientific supervision of Professor André Furtado

Duration: The research fellowship(s) will have a duration of 12 months. It's expected to begin in February 2025, and it is not renewable.

Monthly maintenance allowance: the amount of the monthly maintenance allowance is €1259.64, being the payment method of the Fellow by wire transfer.

Selection methods: The selection methods will be the following:

1 - Evaluation of the curriculum and motivation letter with references (75%)

The criteria used to evaluate the candidates' curriculum and motivation letter containing 1 reference (name and email of a Professor for contact), with a weight of 0 - 20 points, will be:

a) Completed Master's degree in the specialization area of structures (preference for the subarea of structural concrete or seismic engineering) (45%)

c) Scientific activity (publications and scientific communications, participation in projects) (20%)

d) Communication skills (motivation letter) (10%)

In addition to the aforementioned requirements, candidates for the research grant must have a background in the scientific area of Civil Engineering, Structural Engineering, or related areas. Experience in research projects in the area of prefabricated concrete structures (experimental and/or numerical), as well as skills in the seismic behavior of structures, will be valued.

2 - Possible individual interviews of candidates with the same highest classification (25%).

Composition of the selection Jury: Professor André Furtado, Professor João Firmo and Professor Eduardo Júlio

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 within 30 working days, both counted from the respective notification.

Application deadline and formalization: The call is open from January 8 until January 21, 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, where applicable; iv) proof of enrollment at an academic degree course (Master, Integrated Master or PhD) or at a course that does not award an academic degree; v) motivation letter; vi) (for holders of Bachelor or Master degrees who are enrolled at a course that does not award an academic degree) declaration on honour that the applicant does not exceed with this contract an accumulated period of two years in this type of studentship, continuously or with interruptions.

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