

**Research Studentships (for students of a course that does not award an academic degree)**

Applications are open for 1 Research Studentship, within the framework of project/R&D institution I&D CERIS/1801P.01063/PTDC/ECI-CON/2240/2020 – New Fireproof Dwellings for WildFire, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Civil Engineering (sub area of construction studies)

**Admission Requirements:**

a) to hold a master 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 exceeding, with the suspension of the scholarship contract in question, including possible renewals, an accumulated period of two years in this type of scholarship, consecutive or interpolated.

**Workplan:** Testing thermal-mechanical actions of wildfires in structures. Use of finite element software to analysis the thermal action of a wildfire by processes of convection and radiation, with the aid of interface surfaces. Testing the non-linear thermophysical properties of materials, when subjected to high temperatures during heating and cooling.

**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 Professor Fernando Branco, do Doctor Mário Rui Arruda, e do Doctor João Pedro Firmo

**Duration:** The research fellowship will have the duration of 6 months. It's expected to begin in November 2024. Not renewed.

**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](https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf)), the amount of the monthly maintenance allowance is 1259.64€, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following: *Curriculum evaluation (100%) with remarks in investigation in civil engineering. An individual interview is possible to tiebreaker (specifying its conditions), knowledge tests, others*, with the respective weight of 25% and 75% for the curriculum evaluation.

**Composition of the selection Jury:** Professor Fernando Branco, Doctor Mário Rui Arruda, Doutor João Firmo

**Announcement/ notification of the results:** The final evaluation results will be communicated to all applicants by email.



Fundação  
para a Ciência  
e a Tecnologia

**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 October 16 until October 29, 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 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 an accumulated period of two years in this type of studentship, continuously or with interruptions.

Applications must be submitted to the email: [bolsas@drh.tecnico.ulisboa.pt](mailto:bolsas@drh.tecnico.ulisboa.pt)



Fundação  
para a Ciência  
e a Tecnologia