

(BL145/2024-IST-ID)

### Scientific Initiation Studentships

Applications are open for 1 Scientific Initiation Studentships, 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 and Mining, Mechanical Engineering and Engineering Systems, Territorial Environment and Population

#### 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 work plan is part of the exploratory project OriShells Prefabrication of plain deconstructed concrete Shells inspired by the Origami art. During the duration of the scholarship, the scholarship holder must explore forms and methods of tessellation of double curvature shells into flat tiles. It should carry out a study on the architectural impact of shell planarization and contribute to the production of a reduced-scale physical model of a double curvature shell deconstructed into flat elements.

**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 in CERIS (Civil Engineering Research and Innovation for Sustainability) of Instituto Superior Técnico, under the scientific supervision of Professor Ana Tomé

**Duration:** The research fellowship(s) will have the duration of 5 months. It's expected to begin in July, and 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](https://www.fct.pt/wp-content/uploads/2024/02/Tabela-de-Valores-SMM_atualizacao-2024.pdf)), the amount of the monthly maintenance allowance is €601,12, being the payment method an option of the Fellow by Wire Transfer.

**Selection methods:** The selection methods to be used will be the following: curricular assessment (AC) and interview (E) with respective weights of 60% and 40%.

**Composition of the selection Jury:** Ana Tomé, Eduardo Cavaco e Ricardo do Carmo

**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 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 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: [e.cavaco@fct.unl.pt](mailto:e.cavaco@fct.unl.pt)



Fundação  
para a Ciência  
e a Tecnologia