

(BL106/2021-IST-ID)

### Research Studentships (PhD students)

Applications are open for one Research Studentship, within the framework of the project CERIS BASE 2020-2023 / UIDB/04625/2020, for the “Feeling the City” transversal project, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Civil Engineering.

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

**Workplan:** Collection of images of different façades, in different states of degradation, using robotic platforms (by land and by air). Development and implementation of algorithms for the automatic identification of anomalies in façades (e.g. through image segmentation and classification) and consequent estimation of the global degradation condition. Conducting surveys and testimonies to assess the perception of users and passers-by regarding the degradation of façades. Analysis of feelings based on surveys collected, creating acceptance profiles (e.g. owner vs. passer-by).

**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 Dr. Jónatas Valença and Dr. Ana Silva.

**Duration:** The research fellowship(s) will have the duration of 5 months. It's expected to begin in July of 2021, and the contract is not renewable.

**Monthly maintenance allowance:** According to the values for Research Fellowships awarded by FCT in Portugal (<http://www.fct.pt/apoios/bolsas/valores>), the amount of the monthly maintenance allowance is €1104.64, being the payment method an option of the Fellow by Wire Transfer/Check.

**Selection methods:** The selection methods will be the following: curriculum evaluation (70%) and individual interview (optional, 30%). The curriculum evaluation will be carried out according to the following components: classification in the master's in civil engineering, Architecture or similar (40%); experience in the preparation of scientific papers, published/accepted in an international journal indexed ISI/Scopus (40%); previous experience in research projects (10%); experience in the field of durability, maintenance and conservation of the built heritage (10%). In case of a tie, the top two candidates in the curriculum evaluation will be selected for the interview (30%). The final evaluation results from the sum of the curricular evaluation and the interview evaluation. If none of the candidates have the appropriate profile, the scholarship will not be awarded.

**Composition of the selection Jury:** Dr. Ana Silva, Dr. Jónatas Valença and Dr. Maria Paula Mendes.

**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 21 until 2 of July 2021.

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 (PhD); v) motivation letter;

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