

(BL66/2026-IST-ID)

Research Studentships (for Master or Integrated Master students)

Applications are open for one (1) Research Studentship for students enrolled in a Master degree, within the framework of the project HELIPOINT (<https://doi.org/10.54499/2022.08947.PTDC>), financed by national funds through FCT, under the following conditions:

Scientific Area: Geotechnical Engineering

Admission Requirements: *It is a requirement that the candidate is enrolled in an Integrated Master or a Master degree programme.*

Please note that applicants that do not conform with the above requirement are not eligible and will not be considered.

Workplan: HELIPOINT is a joint academic-industry research project between CERIS and the SME, Hélica which has the aim of contributing to the wider fundamental understanding of this type of helical steel piles (HSP) and the development of a rational basis for the design of HSP based on Limit State and Sustainability principles, while also promoting the technique through the development of design guidance and demonstrating this through case studies supported by Life Cycle Analysis comparisons with other techniques.

The scholarship on offer is associated with a project that will evaluate reliable calculation models for axial resistance of helical screw piles, involving the further development of previous studies at Técnico, to propose a new methodology for evaluation of bearing capacity factors for helical steel pile applications and proposal of model factors to use in Eurocode-based design.

Any inquiries can be directed to: peter.bourne-webb@tecnico.ulisboa.pt

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://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 (Alameda Campus), under the scientific supervision of Professors Teresa Maria Bodas Freitas and Peter John Bourne-Webb.

Duration: The research fellowship will have a duration of six (6) months and is non-renewable.

Monthly maintenance allowance: According to the values for Research Fellowships awarded by FCT in Portugal (<https://www.fct.pt/fct-atualizou-o-valor-das-bolsas-para-2025/>), the amount of the monthly maintenance allowance is € 1090,98, being the payment method an option of the Fellow by Wire Transfer/Check.

Selection methods: The selection methods will be the following: *Curriculum evaluation and individual interview*, with the respective weightings of 60% and 40%.

Composition of the selection Jury: Maria Rafaela Pinheiro Cardoso, Peter John Bourne-Webb, Teresa Maria Bodas Freitas

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



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Application deadline and formalization: The call is open from April 20 until May 4, 2026.

It is mandatory to formalize applications with the submission of the following documents: i) B1 Form – Fellowship application (<https://ist-id.pt/recursos-humanos/bolseiros/#documentos-relacionados>); ii) *Curriculum Vitae*; iii) proof of enrolment at an academic degree course (Master, Integrated Master); iv) motivation letter which should state which topic is preferred by the candidate.

Applications must be submitted to the email: bolsas@drh.tecnico.ulisboa.pt with peter.bourne-webb@tecnico.ulisboa.pt in cc.



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