

Research Studentships for PhD students

Applications are open for one (1) Research Studentships, within the framework of project (1801P.01451.1.03) CEFEMA BASE 2025-2029 - LINHA MATERIAIS financed by national funds through FCT/MCTES (PIDDAC) under the following conditions:

Scientific Area: Materials Engineering

Admission Requirements: *To be enrolled at a PhD*

Workplan: Study of high and medium entropy alloy composite coatings reinforced with carbide particles by laser-assisted synthesis for wear resistance applications. The work to be developed involves the characterization and testing of surface coatings synthesized by laser deposition of CoNiCr based alloys reinforced with WC and NbC particles and the respective testing for wear under abrasive conditions.

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 CeFEMA, of Instituto Superior Técnico under the scientific supervision of Professor Maria Amélia Martins de Almeida.

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin as soon as possible and will not be renewed.

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 €1359,64, being the payment method by Wire Transfer.

Selection methods The selection methods will be the following: The selection methods to be used will be the following: curricular assessment and previous experience, with the respective valuation of 60 and 40 out of a total of 100 values.

Composition of the selection Jury: Maria Amélia Martins de Almeida, Augusto Moita de Deus, Alberto Ferro

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 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) 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: amelia.almeida@tecnico.ulisboa.pt



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