

(BL213/2024-IST-ID)

### Research Studentships (PhD students)

Applications are open for 1 Research Studentship, within the framework of project/R&D institution COOSPOT: Interfacial COOLing Strategies for high POver dissipation conversion Technologies, (PTDC/EME-TED/7801/2020), financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

**Scientific Area:** Mechanical Engineering and Engineering Systems, Electronic and Informatic Engineering

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

**Workplan:** The work proposed here addresses the study of solar cells with different structures, including their cooling, which is vital in several of these structures, aiming at the development of one or various models to describe their functioning. Application of these models will address different climate conditions and/or different geographic specific 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://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf> and <https://dre.pt/application/file/a/127230968>.

**Workplace:** The work will be developed at IN+ Center for Innovation, Technology and Policy Research of LARSyS/IST-ID at Instituto Superior Técnico, under the scientific supervision of Prof Ana Sofia Oliveira Henriques Moita.

**Duration:** The research fellowship will have the duration of 5 months. It's expected to begin in October/2024 and cannot be 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 80%, individual interview 20% (for the candidates with the highest scores in the curriculum evaluation)*. The curriculum evaluation addresses the respective weight of 40% for curricular experience and 40% for experience relevant for the project.

**Composition of the selection Jury:** Professor António Luís Nobre Moreira, Professor Edgar Caetano Fernandes and Professora Ana Sofia Oliveira Henriques Moita.

**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 September 25 until October 8, 2025.



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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: [jobs@in3.tecnico.ulisboa.pt](mailto:jobs@in3.tecnico.ulisboa.pt)



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