

(BL155/2022_IST-ID)

Research Studentships (for PhD students)

Applications are open for 1 Research Studentship(s) for a PhD student, within the framework of project 1801P.01078.1.01 –“**Interfacial** COOLing Strategies for high POWer dissipation conversion Technologies” COOLSPOT_PTDC/EME-TED/7801/2020 - IST-ID, financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Mechanical Engineering, Energy and Environment

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

Workplan: Study of integrated energy conversion systems including a renewable energy source (green hydrogen) to develop a complete energy conversion solution (including cooling) for electronics and other parts in electric vehicles. Hence, this fellow will engage parts II (tasks 2-3) and III (task 4) of the working plan, establishing a link between them.

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 Robotics and Engineering Systems Lab, IST, under the scientific supervision of Dr. Ana Sofia Moita.

Duration: The research fellowship(s) will have the duration of 6 months. It's expected to begin in September 2022, and may be eventually renewed up to the maximum of the end of the project, assuring that such period does not overpass the maximum allowed period by law.

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 €1144.64, 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 e Doutora Ana Sofia Oliveira Henriques Moita.

Announcement/ notification of the results: The final evaluation results will be communicated to all applicants by email.

Application deadline and formalization: The call is open from July 28 until August 10, 2022.

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: sandradias@tecnico.ulisboa.pt