

Call for 1 (one) Research Scholarship for PhD students holders under the LAETA (FCT R&D Unit).

The Association for the Development of Industrial Aerodynamics (ADAI-LAETA) announces the open call for one (1) Research Scholarship for PhD student with a MSc degree in Engineering within the framework of the project UIDP/50022/2020 - LAETA - Laboratório Associado de Energia, Transportes e Aeronáutica, funded by FCT/MCTES through national funding programs (PIDDAC), under the following conditions:

Scientific area: Engineering and related areas

Beneficiaries: PhD student with MSc degree in Engineering

Admission requirements: Applicants for the Research Scholarship shall, on the application date, be enrolled, or present proof of conditional enrolment, in a Doctoral Program in the area of Mechanical Engineering, other Engineering or similar areas, and shall demonstrate relevant research experience in Life Cycle Assessment (LCA), evidenced by the authorship of scientific articles related to LCA and/or experience in research projects. Priority will be given to candidates with:

- a) Life Cycle Assessment knowledge and experience (preferred factor);
- b) Previous studies on Life Cycle Assessment of vehicle, transport, or energy systems;
- c) Experience in scientific publication in LCA or related areas.

Eligibility of candidates: Candidates shall meet the eligibility conditions provided for in article 9 of the FCT I.P (2019) Research Scholarship Regulation.

Work plan:

1. Collaborate in the methodological development of LCA;
2. Perform LCA studies of vehicles, vehicle components, and transport systems;
3. Prepare and submit scientific publications.

Applicable Legislation: Research Fellow Statute, approved by Law No. 40/2004 of August 18, in the current wording published by Decree-Law No. 123/2019 of August 28; Regulation of Research Grants of the Foundation for Science and Technology, I.P. in force (Regulation No. 950 / 2019 of 16 December).



Working place: The work will be carried out in the scope of ADAI-LAETA activities at ADAI’s laboratory, Coimbra, and the Center for Industrial Ecology, Department of Mechanical Engineering, Pólo II of the University of Coimbra, Portugal, or in other places required for the execution of the work plan.

Scientific supervision: Professor Doutor Fausto Freire (ADAI-UC); co-advisor: Professor Doutor Lucas da Silva (INEGI/FEUP).

Grant duration and regime: Duration of 12 months, eventually renewable up to the maximum limit permitted by the applicable regulations. The granting of the scholarships does not generate or entitle a legal-labor relationship, it is exercised under an exclusive dedication regime and the Scholarship holder is granted the Scholarship Holder Status, in accordance with the Regulation for Research Grants of the Foundation for Science and Technology, I.P., both in their current wording.

Expected starting date: January 2021.

Monthly allowance: The scholarship amount corresponds to 1,064 €, according to FCT, I.P. monthly maintenance stipend table for scholarships in Portugal (Annex I - of FCT IP Research Scholarship Regulation, integrating the 1% update under the terms of article 236 of Law nº2 / 2020 of March 31 (State Budget for 2020). The scholarship payment will be made by bank transfer. Other benefits: Voluntary Social Security reimbursement, corresponding to the 1st level of the contributory base (for scholarships lasting 6 months or more); Personal Accident Insurance; Value of the fees corresponding to the Doctoral Program in Mechanical Engineering at the University of Coimbra.

Evaluation criteria: The selection method will be a curricular evaluation, using a one to five (1 to 5) assessment scale, with the following weights: academic qualifications (50%) and degree of fulfilment of experience and knowledge required (50%). If necessary, an interview (weighting 40%) will be carried out to the three best candidates selected. The jury reserves the right not to fill the position, if there are no candidates that meet the requirements.

In case the candidate placed in 1st does not accept the scholarship or in case he/she withdraws from the scholarship during the respective work program, the candidate placed in 2nd may be invited to accept the scholarship. This procedure may be repeated in subsequent cases of non-acceptance or withdrawal, according to the decision of the scientific supervisor, respecting the ordering of the list contained in the minutes of the selection process.

Composition of the evaluation panel: Professor Doutor Fausto Miguel Freire (President); Professor Doutor Lucas da Silva (Vowel); Professor Doutor José Joaquim Costa (Vowel); Alternate vowels: Doutora Rita Pinheiro Garcia; Professor Doutor Adélio Manuel Rodrigues Gaspar.



Publication/notification of results: The final evaluation results (ordered list) will be publicized in a public space of ADAI. The selected candidate will be notified by email.

Deadlines and Submission of applications: The call for applications will be open from the 26th of October to the 6th of November, 2020.

Applications must include the following documents:

- Motivation letter, stating the adequacy of the curriculum to the position;
- Curriculum Vitae, with indication of telephone number and email contacts;
- Copy of the MSc certificate and document certifying enrollment in the PhD program
- Copy of relevant publications.

Applicants with foreign academic degrees are required to submit the records of recognition of such degrees issued by a Portuguese public higher education establishment (regime governed by Decree-Law No. 66/2018, of 16 August, and *Portaria* No. 33/2019, of 25 January). These documents are mandatory for signing the contract. For further information, please see <https://www.dges.gov.pt/en/pagina/degree-and-diploma-recognition>.

Applications shall be sent by email to **fausto.freire@dem.uc.pt** (email subject: “Bolsa ADAI-LAETA”) or by registered postal mail, or delivered by hand (weekdays: 09:30-12h30 and 14h30-16h30), to the following address: **A/C Prof. Fausto Freire, ADAI, Rua Pedro Hispano 12, 3030 - 289 Coimbra, Portugal.**

Coimbra, October 7, 2020

Responsible Researcher at ADAI-LAETA
Professor Doutor Fausto Freire