Call for 1 research grant - LAETA (R&D Institution)

PhD grant – MsC – 1

The Association for the Development of Industrial Aerodynamics (ADAI-LAETA) announces the open call for one (1) Research Grant for MSc degree holder 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

Admission requirements: PhD Student, at the time of signing, with a Master degree in Mechanical Engineering or related areas

Work plan: Research will focus on the development of experimental methodologies and numerical modelling for the study of acclimatization and thermophysical behavior in human exposure to thermal environments and extreme physical activities, namely in the context of high-performance sport and military activities. Specific objectives will be defined according to the profile of the selected candidate.

Activity Regime: The award of the scholarship does not generate or entitle a legal-labor nature relationship, it is exercised in an exclusive dedication regime and the Fellow is granted the Fellow's Status, according to the provisions of the Foundation's Research Grants Regulation for the Science and Technology, IP, both in their current wording.

Working place: The work will be carried out at ADAI's and UC's facilities, with the possibility of some work related travel to INEGI/FEUP at Oporto.

Grant duration: 12 months, which may be renewed up to the maximum limit allowed by the applicable regulations.

Scientific supervision: Professor Doutor Adélio Manuel Rodrigues Gaspar (ADAI-LAETA/UC; Professor Doutor Amândio Cupido Santos (ADAI-LAETA/UC); Professora Joana Guedes (INEGI-LAETA/FEUP).

Monthly allowance: The monthly allowance is € 1.064,00 in accordance with the values stipulated by FCT, I.P. Studentship and Fellowship Regulations (https://www.fct.pt/apoios/bolsas/valores.phtml.pt). The monthly amount shall be rendered payable via bank transfer. In addition to this amount, there is the voluntary social insurance corresponding to the first class, if the candidate chooses to assign it, as well as the personal accident insurance. The value of the scholarship will not increase over the entire period of its duration.

Selection method: Curricular Evaluation (CE) and Interview (E) to the three best classified in CE. The classification formula for the final position will be CE * 0.7 + E * 0.3, where CE refers to the classification of the relative positioning and E to the interview. The jury reserves the right to waive the component E if it considers the CE component sufficient, in which case the classification for final positioning is the result of the CE. The jury reserves the right to eliminate candidates from the competition who obtain an CE of less than 60%.

Selection criteria: For the curricular evaluation (CE) the following parameters will be considered:

(i) absolute merit of the Curriculum Vitae (M);
(ii) adequacy of the candidate’s profile to the work plan (PT);
(iii) additional characteristics (AC), such as the demonstrated motivation for the work to be
developed and availability to start the scholarship.

The classification formula for the relative positioning of candidates in the Curricular Assessment (AC) will be as follows: M * 0.4 + PT * 0.5 + AC * 0.1.

**Composition of the evaluation panel:** President - Prof. Doutor Manuel Carlos Gameiro da Silva; vowels - Prof. Prof. Doutor Adélio Rodrigues Gaspar; Prof. Doutor Amândio Cupido Santos e Prof. Joana Guedes.

**Publication/Notification of results:** The final evaluation results (ordered list) will be publicized in a public space of the Mechanical Engineering Department of UC. The selected candidate will be notified by email.

**Applications:** Applications must be sent by email and must include the following documents: motivation letter, where the candidate must mention if he / she is available to start the scholarship on the scheduled date; curriculum vitae (CV) with a description of the candidate’s qualifications; qualification certificate, including proof of Master degree; title and summary of the Master thesis; other documentation you deem relevant to deliver.

Applicants with academic degrees obtained abroad must present a certificate of recognition in accordance with the applicable legislation

Submission of applications: Applications must be sent by email to the following addresses: manuel.gameiro@dem.uc.pt, adelio.gaspar@dem.uc.pt, acupidosantos@gmail.com, jccg@fe.up.pt and info@adai.pt.

**Period for applications:** 17/08/2020 to 31/08/2020.

**Publication date:** 07/08/2020.