

Research Studentships (PhD students)

Applications are open for one **1** Research Studentship, within the framework of the project **LA/P/0083/2020 – ITI CC931101** financed by national funds through FCT/MCTES (PIDDAC), under the following conditions:

Scientific Area: Electrical or Computer Science Engineering – Signal Processing

Admission Requirements:

- a) Being enrolled in a PhD program (at the time of signing the scholarship contract).*
- b) Master's degree in Computer Science or a related field, obtained before the expected start date of the scholarship contract.*
- c) A minimum of 3 years of experience with Artificial Intelligence and image and video processing (documentation proving this experience is required).*
- d) Team spirit.*
- e) Self-motivation and ability to work independently.*
- f) Previously published works are a preferential factor.*
- g) Good oral and written skills in English. Obtaining TOEFL or IELTS is recommended.*

Workplan:

- (1) Improve the algorithms for image processing, from selecting the ROI independently of skin characteristics to processing that image to extract relevant features;
- (2) Validate the algorithms to estimate heart rate;
- (3) Prepare the results obtained with the developed models to publish.

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 ITI/Larsys in Madeira, under the scientific supervision of Prof. Morgado Dias.

Duration: The research fellowship(s) will have a duration of 6 months. It is expected to begin in July/2024, and may be eventually renewed up to the maximum of 12 months, including the duration of the initial contract

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), 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 Vitae (30%)

Former research experience in the scholarship area (20%)

Selected candidates might be invited for an interview (50%).

Composition of the selection Jury: Prof. Dr. Nuno Nunes; Prof. Dr. Morgado Dias; Prof. Dr. Fábio Mendonça

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 19 until July 2, 2024.

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; iv) proof of enrollment at an academic degree course (PhD); vi) document proving 3 years experience in Artificial Intelligence *and image and video processing*.

Applications must be submitted to the email: morgado@staff.uma.pt & admin@iti.larsys.pt



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