

NOTICE N.º 011/2025

OPEN CALL FOR RESEARCH GRANT APPLICATION WITHIN THE TERMS LAID DOWN OF THE REGULATIONS FOR RESEARCH SCHOLARSHIPS OF THE UNIVERSITY OF ALGARVE

TITLE: One (1) Research Grant – Master of Science

It is now open a call for one (1) Research Grant - Master of Science within the project within the project ALGARVE-FEDER-01180500 - AI.EVENT (17325) – AI.EVENT – “Monitor Live Audience with AI”, G1 - PT2030-SIID -I&D Empresarial - Copromoção, with the following conditions:

Research Field: Informatics Engineering.

Admission Requirements: Master's Degree in Computer Engineering or Electrical Engineering or Systems Engineering or Physics Engineering or in Applied Mathematics or related courses. Preference is given to candidates with experience and knowledge in the area(s) of Computer Vision and Artificial Intelligence, as well as knowledge of programming languages and libraries such as Python, OpenCV, PyTorch, TensorFlow or similar.

Work Plan: The work to be developed consists of supporting the execution of the work foreseen in the AI.EVENT project - "Monitor Live Audience with AI" [[AI.EVENT - Scientific microsite](#)]. The objectives of this work are to: (a) develop a model for the detection of abnormal behaviour in crowds using computer vision; (b) Develop a model for detecting engagement in events using computer vision; (c) support the research and development of the software necessary for the IA project. EVENTS. .

Applicable legislation and regulations: Statute of the Scientific Research Fellow, approved by Law nº 40/2004, of August 18, in the current wording conferred by Decree-Law nº 123/2019, of August 28 and the Regulation of Research Grants of the University of Algarve (<https://files.dre.pt/2s/2021/10/21000000/0013700149.pdf>).

Working place: The work will be developed at NOVA LINCS – UAlg, Laboratório de Computação Visual (Sala 172), Instituto Superior de Engenharia, Universidade do Algarve, Campus da Penha, Faro from the University of Algarve, jointly with the Researcher João Rodrigues, principal investigator of the project and coordinator.

Duration of the grant: The grant will have a first contract of 12 months duration, beginning on 01 May 2025. The contract may be renewed until 31/12/2027, considering UAlg’s Research Grants Regulation. (<https://files.dre.pt/2s/2021/10/21000000/0013700149.pdf>).

Value of monthly maintenance allowance: The monthly maintenance allowance corresponds to 1.309,64€ (euros). The maintenance allowance will be paid monthly by bank transfer.

Selection criteria will be as follows: In accordance with nº2 of article 11º of the FCT Research Grants Regulation, the evaluation of candidates will only focus on the following criteria: (a) Curricular and academic merit of the candidate (0-20; 45%), (b) Demonstrated experience or work motivation in the area of Artificial Intelligence and Computer Vision (0-20; 35%) and (c) Interview (0-20; 20%). The Jury reserves the right not to award the scholarship to candidates who do not present a statement of commitment that the candidate will enroll for the first time in a doctoral program and that the doctoral program in which he/she will enroll will be at the University of Algarve in the area of Computer Engineering or in the area of Electrical Engineering. The Jury also reserves the right not to award the scholarship to candidates with a final score of less than or equal to thirteen points (0-20 points).

The tender jury shall comprise the following members:

- João Rodrigues (President), Professor Coordenador Principal, Instituto Superior de Engenharia;
- Pedro Cardoso (Effective member), Professor Coordenador, Instituto Superior de Engenharia;
- Jaime Martins (Effective member), Professor Adjunto, Instituto Superior de Engenharia;
- Roberto Lam (Substitute member), Professor Adjunto, Instituto Superior de Engenharia.

Publication and notification of the results: Final results will be publicized through an ordered list according to the final grade and posted in a conspicuous and public local of Building 27 (Instituto Superior de Engenharia), Visual Computing Lab. (Room 172) and communicated to the applicants by e-mail to the addresses indicated by each candidate.

Deadline for applications and submission forms: the call is open from **21/03/2025 to 07/04/2025**.

Applications must be accompanied by the following documents:

- Official identification document (simple copy or legal equivalent). If you have a nationality other than Portuguese, you should present a residence permit, permanent residence certificate or long-term resident status, valid on the scholarship start date, any of which may be replaced, in its absence, by a declaration of commitment. However, one of the previous must be delivered at the contracting phase, under penalty of forfeiture of the granting of the scholarship;
- Copy of the qualification certificates of the academic degrees held, specifying the final classification and, if possible, the classifications obtained in all subjects taken; If the doctorate has been awarded by a foreign higher education institution, it must conform to the rules established in Decree-Law no. 66/2018 of August 16, and all required formalities must be complied with up to the date of termination deadline for submission of the application. If the completed process is not found until the end of the application deadline, the candidate must prove that he / she has requested the recognition of the degree.
- Curriculum Vitae;
- Passport or identification card for European applicants (copy);
- Taxpayer Identification Number (NIF), if you have a nationality other than Portuguese, it must be submitted during the scholarship contracting phase, under penalty of forfeiture of the scholarship award;
- Declaration of commitment that the candidate will enroll for the first time in a doctoral program and that the doctoral program in which he/she will enroll will be at the University of Algarve in the area of Computer Engineering or in the area of Electrical Engineering.
- Other documents considered important

The Application Request, dated and signed, must be addressed to the President of the Evaluation Panel (<https://www.ualg.pt/sites/default/files/documentos/2022-12/anexo-iii-requerimento-para-candidatura-bolsa-en.pdf>), for the following address: A/C Prof. João Rodrigues, Universidade do Algarve, Instituto Superior de Engenharia, Campus de Penha, 8005-139 Faro, Ref.^a (AI.EVENT_B#2) or **by e-mail to jrodrig@ualg.pt the Scientific Coordinator**. If the Application Request is sent by e-mail, the applicant must duly express his/her consent that all notifications regarding this application are sent to the email address given.

Documents to be presented for the grant agreement

- Supporting documents stating that the applicant gathers all the requirements for this grant, namely the enrolment certificate in an awarding degree study cycle or in a postgraduate course;
- Supervisor Declaration taking the responsibility for the Work plan supervision, according to article 5^o-A of the Statute of Scientific Research Fellow, as well as assuring the necessary conditions for the development of the work plan and in compliance with article 13^o of the Statute of Scientific Research Fellow;
- Declaration of the Grant acceptance;
- Declaration of commitment stating the exclusivity regime

Complaints and Appeal Deadlines and procedures

On the decision for granting the Research Grant, candidates may, if they wish, comment on the hearing of interested parties, within 10 working days, under the terms provided for in the Administrative Procedure Code.

From the practice or omission of any act of the evaluation panel, candidates can complain to the body, within 10 working days.

The final decision of the evaluation panel can be appealed to the Rector within 15 working days after the respective notification.

Scholarship contract

With the applicant(s) selected, and after receiving all the required documentation, a scholarship contract will be signed in accordance with the attached model.

Assessment of the scholarship holder(s)

At the end of each period of duration of the scholarship contract, the activity developed by the scholarship holder(s) is evaluated by the supervisor, by applying the following criteria, in accordance with the attached model: Compliance with working hours and attendance; Compliance with the work plan, especially in the development of the model for detecting crowd engagement at events; Compliance with the development together with the project team a dataset for detecting engagement in crowds and groups; Support given to the research and development of the software required for the AI.VENT project.

University of the Algarve reserves the right to cancel this application procedure if by any means the contract celebration with the funding entity is not established.

University of Algarve, 14/03/2025

Scientific Coordinator

Professor Doutor João Miguel Fernandes Rodrigues