

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

TITLE: One research grant Master of Science degree holder

It is now open a call for one (1) Research Grant within the project Europe Horizon 101137611 - H2tALENT - Alentejo Green Hydrogen Valley delivering integrated full-chain sustainable hydrogen ecosystem with technical, economic, social and environmental benefits and superior upscaling/replicability, funded by F6 – HEUROPE, with the following conditions:

Research Field: Computer Science

Admission Requirements: Master degree in Computer Science, Informatics Engineering, or similar.

Work Plan: Design, implement, and validate a suite of deep learning algorithms for real-time monitoring, anomaly detection, and predictive forecasting of the hydrogen infrastructure, integrated within a Digital Twin framework to support safe, efficient, and scalable operations of H₂ Valleys.

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 of Research Grants of the University of Algarve (<https://files.dre.pt/2s/2021/10/210000000/0013700149.pdf>).

Working place: The work will be developed at Departamento of Electronic and Informatics Engineering (DEEI) of the Faculty of Sciences and Technology (FCT) at the University of Algarve, under the scientific supervision of Professor Dr. José Valente de Oliveira.

Duration of the grant: The grant will have a first contract of 12 months duration, beginning in September 2025 renewable for the same period.

Value of monthly maintenance allowance: The monthly maintenance allowance corresponds to €1 309,64. 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 University of Algarve Research Grant Regulations, the selection criteria will be: curriculum evaluation (including academic degree and experience; research experience), with the respective scoring of 100.

The tender jury shall comprise the following members:

- José Valente de Oliveira (Presidente) (Professor Associado com Agregação, DEEI);
- Jânio Miguel Monteiro (Vogal efetivo) (Professor Adjunto, DEE);
- Helder Aniceto Amadeu de Sousa Daniel (Vogal efetivo) (Professor Auxiliar, DEEI);
- Marielba Silva Zacarias (Vogal Suplente) (Professor Auxiliar, DEE).

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 of the DEEI FCT 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 **28/07/2025 a 08/08/2025**

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;
- Proof of enrollment and registration, as well as a copy of the record of grades obtained in all subjects taken, in the Informatics Engineering 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;
- 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>) to the following address: Universidade do Algarve, Campus de Gambelas, 8005-139 Faro, Project Ref. 10IS00047 or Edital nº 048/2025 or by email to jvo@ualg.pt. If the Application Request is sent by email, the applicant must duly express his/her consent that all notifications regarding this application are sent to the email address given.

- 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 5º-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:

- a) Fulfillment of objectives – this component aims to assess the level of achievement of results by the grant holder, taking into account the work plan to be developed (50%).
- b) Behavioral skills – this component aims to assess the personal characteristics evidenced during the evaluation period (25%).
- c) Personal attitude – this component aims to assess the personal commitment and availability shown during the evaluation period, taking into account factors such as interest, effort and motivation (25%).

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 July 2025

Scientific Coordinator

Prof. Dr. José Valente de Oliveira