



ANNOUNCEMENT FOR THE AWARD OF A RESEARCH FELLOWSHIP

Title: Research Fellowship; 4 vacancies **Reference:** CALG_AICITI-LLM_2025_02

A call for applications is now open for the attribution of 4 research grants for Master within the scope of the project of R&D AICITI-LLM: Fine-tuning LLMs for comprehensive/intelligent citizen engagement using AI, reference 2024.07420.IACDC, supported by measure RE-C05-i08-m04 - "Support the launch of an R&D project programme aimed at the development and implementation of advanced cybersecurity, artificial intelligence and data science systems in public administration, as well as a scientific capacity building programme", supported by the Recovery and Resilience Plan - RRP (funded by the European Union - NextGenerationEU) under the financing contract signed between the Recover Portugal Mission Structure (EMRP) and the Foundation for Science and Technology I.P. (FCT), as an Intermediate Beneficiary, under the following conditions:

Scientific Area: Engineering

Recipient category: Masters, enrolled in a course:

- **Degree courses:** enrolled in a doctorate.
- Non-conferring degrees courses: enrolled in courses that do not award an academic degree.

Note: "Non-conferring degrees courses" are the courses referred to in paragraph e) of paragraph 3 of article 4 of Decree-Law no. 74/2006, of March 24, in its current wording."

Requirement for granting the fellowship:

- The applicants may apply without prior registration in the course for which the fellowship is open. The
 requirement to enroll in a degree course or non-academic degree course will be verified on the date of
 contracting the fellowship;
- Only fellowships whose selected applicants present a valid proof of enrollment in a degree course or non-academic degree course will be contracted, according to the type of the fellowship, indicating, respectively, the academic year or its duration (star and term).

Profile:

The following are eligible to apply for this competition:

- Nationals or citizens of other member states of the European Union;
- Citizens of third countries;
- Stateless persons;
- Citizens with political refugee status

Candidate admissibility requirements:

- Candidates must hold, at the time of application, a in Computer Engineering, Biomedical Engineering or related areas:
- Candidates enrolled in a course that does not award a degree: Candidates who, at the time of signing
 the scholarship contract in question, including the renewals provided for in the notice, have exceeded
 an accumulated period of two years in this type of scholarship, whether consecutive or interpolated,
 are not eligible for the scholarship in this competition;
- Candidates enrolled in a course that awards a degree: Enrolment in a doctorate in the area of computing;
- Proof of academic qualifications completed by the application deadline, including those resulting from academic degree recognition processes, is required at the contracting stage.
- Preferential factors: knowledge in research.













Admissibility requirements:

It is essential, under penalty of not being admitted to the competition, to attach the following documents to the application:

- The candidate's curriculum vitae;
- Certificates of the academic degrees obtained or, if applicable, the candidate's declaration of honor that
 he/she has completed the degrees required in the notice by the application deadline (not applicable to
 research initiation grants);
- For degrees obtained abroad, the record of recognition of the academic degrees and record of the
 conversion of the respective final classification to the Portuguese classification scale must be presented,
 or, alternatively, the candidate's declaration of honor (not applicable to research initiation grants);

Applicants eligibility: Candidates must meet the eligibility conditions set out in article 9 of the FCT I.P Research Grants Regulation (2019).

Workplan and objectives to be achieved:

The work plan aims to develop and implement a system based on advanced language models (LLMs) with the aim of improving the interaction between citizens and municipal services. The tasks to be carried out, among others, will consist of:

- Optimization of Large Language Models (LLMs) through advanced techniques such as RAG, Fine-Tuning (PEFT, LoRA) and Prompt Engineering;
- Production of technical reports and scientific documents;
- Validation and testing of the developed platform.

Applicable legislation and regulations: Research Fellow Statute (EBI), approved by Law no. 40/2004 of August 18, in its current wording published by Decree-Law no. 123/2019 of August 28; Research Grants Regulation of the University of Minho, published in the Official Gazette, 2nd series, no. 81, dispatch no. 4998/2025 of April 28, 2025, and Research Grants Regulation, no. 950/2019 of December 16, 2019, of the Foundation for Science and Technology, I.P. - in force.

Host/Contracting institution and scientific supervision: The workplan will be carried out at the ALGORITMI Centre, School of Engineering of the University of Minho, located at the Gualtar Campus, Braga, under the scientific supervision of Manuel Fernando da Silva Rodrigues, Assistant Researcher at the ALGORITMI Centre of the School of Engineering of the University of Minho.

Fellowship duration: The grant will take place for a period of **3 months**, with a provisional starting date on **September of 2025.**

The scholarship may eventually be renewable, up to 4 years, in the case of a student enrolled in a PhD. For students enrolled in a non-degree-granting course, the scholarship is renewable for up to one year. Under no circumstances may it exceed the maximum period allowed by the project and/or provided for in the legislation and regulations in force.

Amount of the research grant: The amount of the SMM corresponds to 1 309,64 EUR/month, according to the table of values of FCT, I.P. scholarships in the country (Annex I – Table of monthly maintenance subsidies of the FCT I.P. Research Grant Regulation) and according to the table of values of Research Grants of the University of Minho, updated annually, as decided by the Management Board.

Payment is made on the 23st of each month, through bank transfer to the Bank Identification Number of the fellow identified in the contratualization process.













Other benefits: Reimbursement of Voluntary Social Security (Social Security contributions), corresponding to the 1st level of discounts (for research grants with a total duration 6 months or higher) and personal accident insurance.

Exclusivity regime: The grantee will perform the activities under exclusivity, as foreseen in article 5º of the Research Fellow Statutes and applicable regulations.

Selection panel:

President: Manuel Fernando da Silva Rodrigues, Assistant Researcher at the ALGORITMI center, School of Engineering of the University of Minho.

Effective members: Paulo Jorge Freitas de Oliveira Novais, Full Professor of the Department of Informatics of. School of Engineering of the University of Minho and José Manuel Ferreira Machado, Full Professor of the Department of Informatics of the School of Engineering of the University of Minho.

Alternate Members: António Luís Duarte Costa, Associate Professor of the Department of Informatics of the School of Engineering of the University of Minho and António Carlos Silva Abelha, Assistant Professor of the Department of Informatics of the School of Engineering of the University of Minho.

The first effective member will substitute the President of the selection panel in case of impediment, being nominate the first substitute member in the place of the first effective member.

Criteria and procedures for applications assessment and selection: The applications assessment will focus on the candidate's Merit, following evaluation criteria, valued on a scale of to 20 values.

A. Applicant Merit, AM (100%):

A.1: Academic background, which reflects the area of study of the course and the classifications of the academic degrees (using tables A.1.1. and A.1.2. defined in the criteria minutes), with a weighting of **40%**;

A.1.1: Area of study of the course, with a weighting of 50%;

A.1.2: Classifications of the academic degrees, with a weighting of 50%;

A.2: Personal CV, with a weighting of 40%;

A.3: Letter of motivation and/or other letters of recommendation, with a weighting of 20%.

The final classification of the candidate's merit will be obtained by applying the following formula:

MC = $(A.1 \times 0.4) + (A.2 \times 0.4) + (A.3 \times 0.2)$ Where A.1 = $(A.1.1 \times 0.5) + (A.1.2 \times 0.5)$

If the jury does not consider itself able to decide using the method indicated in A (AM), it may choose to carry out an Interview. In this case, the AM will have a weighting of 70% and the candidates classified in the first 6 positions, who obtain a minimum classification of 13 in the AM, will be admitted to the Interview phase, with the Jury proceeding with the evaluation of the following sub-criteria:

B. Interview, INT (30%):

B.1: Interpersonal skills (30%).

B.2: Demonstrated knowledge in the area of the competition (40%).

B.3: Motivation (20%)

B:4: Language skills (10%).

The final classification of the Interview with the achieved through the following formula:

 $INT = (B.1. \times 0.3) + (B.2. \times 0.4) + (B.3. \times 0.2) + (B.4. \times 0.1)$













The final classification (FC) of the Applicant Merit (AM) and Interview (INT) will be obtained by applying the following formula:

$$FC = (AM \times 0.7) + (INT \times 0.3)$$

If none of the candidates demonstrate to have a suitable profile for the execution of the work plan, the Jury is entitled to close this call without selecting a candidate.

The academic degrees and diplomas documents, or their respective recognition when awarded by foreign higher education institutions are not mandatory in the application phase, being replaced by a declaration of honor of the candidate with the contents of academic results. The documents of academic qualification or respective recognition will be required in the contracting phase and must attest facts that occurred on a date prior to the application. In situations of divergence between the information contained in the declaration and the documentation submitted for contracting the grant, only the information contained in the latter will be consider. If the documents proving the ownership of the academic degree and diploma, or the respective recognition under the terms of Decree-Law No. 66/2018, of August 16, do not correspond to the classifications awarded in the evaluation of the academic path, which can change the candidate's ranking, the fellowship won't be contracted.

Notes: Applicants with degrees obtained abroad must present proof of recognition of qualifications in Portugal and conversion of the final classification obtained in them to the Portuguese classification scale or declaration under the terms indicated in the previous point. Candidates who do not comply with one of these provisions, the selection panel will assign "0" in the grade of the graduation and/or master course. Candidates will be evaluated on the remaining parameters.

Disclosure of results: The evaluation results project, based in the selection panel minutes, will be send to the applicants by email, in accordance with article 12 of the FCT's RBI (FCT funding) | article 12 of UMinho's RBIC (other funding subject to UMinho regulations).

If case of unfavourable results, the candidates have a period of 10 working days to comment, if desired, in a prior hearing to interested parties, pursuant to articles 121 and 122 of the Code of Administrative Procedure (DL nº 4 / 2015 of January 7th).

The hearing of the interested parties, if excluded, should be justified accordingly with article 124º of CPA.

Complaint and appeal procedures: The final results of the evaluation will be published through an ordered list (alphabetically, by final grade obtained), posted in a visible and public place of the host unit, as well as by email to all applicants, enclosing for that purpose, the minutes of the jury deliberations.

The selected candidate must inform its willingness to accept the grant, in writing. In case of rejection, the fellowship will be awarded to the next candidate in the ordered list of applicants.

The final decision can be contested within 30 working days, addressed to the Rector, under the terms of paragraph 3 of article 12 of the UMinho RBIC.

Application deadline and submission: The competition is open from 07/08/2025 to 22/08/2025.

Applications must be formalized by sending an application letter with the following documents: curriculum vitae; qualifications certificate or declaration of the applicant; motivation letter; statement proving that meets the conditions for the grant typology, according to the application requirements; other documents important to the evaluation process).

Applications must be sent by email to **recrutamento@algoritmi.uminho.pt**, indicating the reference of the call for applications in Subject. Applications submitted by other means will not be accepted.













Fellowship contractualization: The grant is awarded through the signing of a contract between the University of Minho and the grantee, in accordance with the draft contract (Annex II of the RBIC of the University of Minho – published in the Official Gazette, 2nd series, No. 81, dispatch No. 4998/2025 of April 28, 2025) and in accordance with section 2.4 of the "Rules for the Awarding and Management of Grants within the scope of R&D Projects, including infrastructure projects, the multiannual funding program for R&D units and other FCT funding instruments (Version 2021)".

The contract can only be concluded after receipt of all required documentation depending on the type of grant, including proof of academic degrees or diplomas and enrollment in study cycles or non-degree courses, depending on the type of grant. After receiving all documentation, the contracting entity has 60 business days to sign the scholarship contract, pursuant to Article 14.3 of the University of Minho's RBIC.

Once received by the scholarship recipient, they must return the duly signed contract within 15 business days. Scholarship contracts can only begin after proper authorization from the contracting entity.

Term and cancellation of fellowship contracts: Without prejudice to other causes provided for in the applicable scholarship regulations (FCT and UMInho) and in the Research Fellow Statute, the scholarship ceases upon completion of the contracted work plan, as well as upon the end of the term for which it was granted or renewed.

The **final report** must be presented to the scientific supervisor, in accordance with the defined objectives and evaluation criteria, within 60 working days after the end of the scholarship and must be prepared in accordance with Annex I of the RBIC of the University of Minho – published in the Official Gazette, 2nd series, No. 81, dispatch No. 4998/2025 of 28-04-2025.













Declaration of Honor Academic qualifications

I, (full name), candidate for the vacancy for the award of a (type of scholarship), within the scope of the project (name or reference of the project), published on the Euraxess portal, with the reference (ref. notice), declare on my honor that I have completed the academic degree of (academic degree), qualifying for the type of scholarship in the competition, namely the course (designation), by the (University conferring the degree), on the date XX/XX/XXXX, with a final average of XXXXX values on the YY scale.

As it is not possible for me to present proof of qualifications until the end of the competition, I declare that I undertake to present the aforementioned certificate at the conclusion of the scholarship contract, in the event that I am selected for the vacancy in the competition.

As this is true, I hereby date and sign this declaration.	
Place), (date).	
full name)	

NOTE: The declaration may only attest to facts that occurred prior to the application.

In the event of a discrepancy between the information contained in the declaration and the documentation submitted for the purpose of contracting the scholarship, only the information contained in the latter will be taken into account.













Declaration of Honor

I, (full name), bearer of identification document number (XXXX), candidate for a research grant (type of grant), within the scope of the project (name or reference of the project), published on the Euraxess portal, with the reference (ref. call for proposals), declare on my honor that (I have not received any research grants to date / I have received the following research grants) under the Research Grant Holder Statute.

As this is true, I hereby date and sign this declaration.
Place), (date).
full name)







