



Universidade do Minho
Escola de Engenharia



CENTROALGORITMI

ANNOUNCEMENT FOR THE AWARD OF A RESEARCH FELLOWSHIP

Title: Research Fellowship for a Master degree holder; 01 vacancy

Reference: CALG_RIGOLETTO_2026_MEST_02_(01)

A call for applications is now open for the attribution of 1 grant for a master degree holder within the scope of the I&D project Rigoletto – RISC-V Generation of High Performance Automotive Processors and Computing Platforms, 101194371 – Rigoletto, financed European funds through the European Commission under the Horizon Europe Framework Programme, by the Operational Programme "Global Challenges and European Industrial Competitiveness | Global Challenges (Pillar II), under the following conditions:

Scientific Area: Electronic Engineering.

Recipient category: Masters, enrolled in the course:

- a) **Degree courses:** enrolled in a doctorate.
- b) **Non-conferring degrees courses:** enrolled in non-degree courses.

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, issued by a Higher Education Institution, indicating, respectively, the academic year or its duration (star and term).

Applicants' eligibility: Candidates who meet the conditions set out in Article 8 of the University of Minho's Scientific Research Grant Regulations are eligible.

Nationals or citizens of other European Union member states, third-country nationals, stateless persons, and citizens with political refugee status are eligible to apply for this competition.

Candidate eligibility requirements:

- Candidates must have, at the time of application, a master's degree in Industrial Electronic Engineering and Computers
- Candidates enrolled in a non-degree course: Candidates who exceed, with the conclusion of the scholarship contract in question, including the renewals provided for in the notice, an accumulated period of two years in this type of scholarship, consecutive or interpolated, cannot benefit from the scholarship in competition;
- Candidates enrolled in a degree-granting course: Enrollment in the doctorate in the area of Electronic Engineering
- Proof of academic qualifications completed by the deadline for applications is required, in the contracting phase, including those resulting from academic degree recognition processes.

Workplan and objectives to be achieved:

The work plan falls within Work Packages WP1, WP2, and WP3, to be further detailed in potential renewals in a separate document (work plan).

This plan includes participation in requirements elicitation and in the definition of specifications for virtualization on microcontrollers and RISC-V processors for applications in the automotive sector (WP1), the exploration of different architectures, configurations, and their respective trade-offs in these computing units (WP2), as well as the implementation and development of the resulting architectural and microarchitectural artifacts (WP3).

The evaluation of the work carried out will be based on the results obtained, to be presented in an activity report prepared by the fellow.

Applicable legislation and regulations: Research Grant Holder Statute (EBI), approved by Law n.º 40/2004 of August 18, in its current wording, and the University of Minho Scientific Research Grant Regulations (hereinafter referred to as the Regulations (RBIC)), approved by Order n.º 4998/2025, published in the Official Gazette, 2nd series, n.º 81, of April 28, rectified and republished through Rectification Statement n.º 634/2025/2, published in the Official Gazette, 2nd series, n.º 132, of July 11.



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Host/Contracting institution and scientific supervision: The work plan will be carried out at the ALGORITMI Center, School of Engineering, University of Minho, located on the Azurém Campus in Guimarães, under the scientific supervision and coordination of Doctor Sandro Emanuel Salgado, Principal Researcher at the ALGORITMI Center, School of Engineering, University of Minho.

Fellowship duration: The grant will take place for a period of **12 months**, with a provisional starting date on **May 2026**. The fellowship grant may, eventually, be renewed up to the maximum limit allowed by the project and/or applicable legislation and/or Non-renewable.

Amount of the research grant: The amount of the grant corresponds to 2 118,65 EUR/month, according to the table of values of the Research scholarship of the University of Minho, updated annually, as decided by the Management Board. Payment is made on the 23rd of each month, through bank transfer to the Bank Identification Number of the fellow identified in the contractualization process.

Other benefits: Reimbursement of Voluntary Social Insurance, if the candidate chooses to receive it, 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.

President:

Doctor Sandro Pinto (Principal Researcher at the ALGORITMI Center, School of Engineering, University of Minho).

Effective members:

Doctor Tiago Manuel Ribeiro Gomes (Assistant Professor, Department of Industrial Electronics, School of Engineering, University of Minho)

Doctor Jorge Miguel Nunes Santos Cabral (Associate Professor, Department of Industrial Electronics, School of Engineering, University of Minho)

Alternate Members:

Doutor Paulo Francisco Silva Cardoso (Professor Auxiliar, do Departamento Eletrónica Industrial, da Escola de Engenharia da Universidade do Minho)

Doutor Adriano José Conceição Tavares (Professor Associado, do Departamento de Eletrónica Industrial, da Escola de Engenharia da Universidade do Minho).

Em caso de impedimento do Presidente do Júri, este far-se-á substituir pelo primeiro vogal efetivo, sendo nomeado o vogal suplente para substituição do vogal efetivo.

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 0 to 20 values:

A. Applicant Merit - AM (100%)

A.1: Academic background, reflecting the candidate's field of study and the grades obtained in academic degrees (according to Table A.1.1 defined in the criteria record), with a weight of **60%**;

A.1.1: Field of study of the degree, weighted at 50%;

A.1.2: Academic degree grades, weighted at 50%.

A.2: Personal curriculum (reflecting scientific and professional experience), with a weight of **40%**;

A.2.1: Design and implementation of embedded systems, weighted at 50%;

A.2.2: Solid knowledge in computer architectures, virtualization, and RISC-V, weighted at 50%.

The final candidate merit score will be calculated using the following formula:

$$CM = (A.1 \times 0,6) + (A.2 \times 0,4)$$

Where A.1 = (A.1.1 × 0,5) + (A.1.2 × 0,5)

Where A.2 = (A.2.1 × 0,5) + (A.2.2 × 0,5)



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Note: 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.

Application deadline and submission: The call for applications is open from **01/04/2025** till **17/04/2025**.

Applications must be submitted by email to **recrutamento@algoritmi.uminho.pt**, indicating the reference number of the competition in the subject line. Only applications submitted within the established deadline and accompanied by the following documents will be accepted:

- Candidate's updated *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, a declaration of honor from the candidate (this declaration must 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 purposes of contracting the scholarship, only the information contained in the latter will be considered. If it is found that the documents proving the academic degree and diploma, or their recognition under the terms of Decree-Law n.º 66/2018, of August 16, do not correspond to the classifications awarded in the assessment of the academic career and may consequently alter the candidate's ranking, the scholarship will not be contracted);

Form of publication/notification of results: The results of the evaluation are published in a single list (in alphabetical order or by final score obtained), posted in a visible and public place in the host unit, as well as by email to all candidates, attaching, for this purpose, the minutes of the jury's deliberations, within a maximum period of 90 working days from the deadline for submission of applications.

Candidates are informed, at a preliminary hearing, in accordance with Articles 121 and 122 of the Administrative Procedure Code, of the likely outcome of the final decision, and may comment within 10 working days of this notification.

(The waiver of the hearing for interested parties must be justified in accordance with Article 124 of the CPA)

An appeal may be lodged against the final decision within 15 working days, or an appeal may be lodged with the highest executive body of the funding entity within 30 days, both after the respective notification (Article 12(nº6) of the FCT Research Grant Regulations).

Within 10 working days of notification of the grant award, the applicant must declare their acceptance in writing. In case of non-acceptance, the next highest ranked applicant will be notified immediately.

Fellowship contractualization: The scholarship is awarded through the signing of a contract between the University of Minho and the scholarship recipient, in accordance with the draft contract in Annex II of the University of Minho Regulations (RBIC).

The contract can only be signed after receipt of all the documentation required for the type of scholarship, which must occur within a maximum period of 6 months, including proof of academic degrees or diplomas, as well as enrollment in non-degree study cycles or courses, as applicable.

Once all the documentation has been received, the contracting entity has 60 working days to sign the scholarship contract, in accordance with nº3 of the Article 14º the University of Minho Regulations (RBIC).

Term and cancellation of fellowship contracts: Without prejudice to the other grounds laid down in the University of Minho's Scientific Research Scholarship Regulation and in the Research Fellow Statute, the scholarship will cease on completion of the contracted work plan, as well as on expiry of the period for which it was granted or renewed.

The final report must be submitted to the scientific advisor, in accordance with the defined objectives and evaluation criteria, no later than 60 working days after the end of the scholarship and must be drawn up in accordance with Annex I of the Regulations of the University of Minho.



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Non-discrimination and equal access policy: Universidade do Minho actively promotes a policy of non-discrimination and equal access, so that no candidate may be privileged, benefited, harmed or deprived of any right or exempt from any duty due, namely, to ancestry, age, sex, sexual orientation, marital status, family status, economic situation, education, social origin or condition, genetic heritage, reduced working capacity, disability, chronic illness, nationality, ethnic origin or race, territory of origin, language, religion, political or ideological convictions and trade union membership.



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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.



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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.

University	Financing Entity	Project	Type of Grant	Duration	Start	Term

As this is true, I hereby date and sign this declaration.

(Place), (date).

(full name)