

ANNOUNCEMENT FOR THE AWARD OF A RESEARCH FELLOWSHIP

Title: Research Fellowship for Post-Doctoral – 1 (one) vacancy

Referência do concurso: PT-SMART-RETAIL_BIPD_2025_01_CALG

A call for applications is now open for the attribution of one Postdoctoral Research Fellowship within the scope of the R&D project, of Algoritmi Center, PT SMART RETAIL: Portugal como referência para a nova geração de retalho autónomo e inteligente, reference PPR/18_SMARTRETAIL, financed by the European Union, by Recovery and Resilience Plan (PRR) through the Agency for Competitiveness and Innovation – IAPMEI, I.P, under the following conditions:

Scientific Area: Industrial Engineering, Systems Engineering or related fields

Recipient category: The BIPD are intended for doctorates in Industrial Engineering, Systems Engineering or related fields.

Admission Requirements:

- Hold a doctoral degree obtained within three years prior to the date of submission of the scholarship application;
- To have carried out the research leading to the award of the doctoral degree in an organization other than the one hosting the scholarship; *
- Not exceed, with the conclusion of the contract in question, including possible renewals, an accumulated period of three years in this type of scholarship, consecutive or interpolated;
- Not to have previously held a post-doctoral scholarship contract with the same I&D Unit. Once the BIPD contract has ended, no new scholarship contract can be signed between the same host organization and the same scholarship holder.

Candidates who do not cumulatively meet the requirements described will be excluded.

* This includes different I&D Units, even if they are based in the same Organic Unit (UOEI) of UMinho (according to n° 4 and 5 of the Article 7° of the FCT I.P. Research Grants Regulations in force).

Other requirements:

- Proven knowledge in developing, implementing, and training new work systems;
- Proven knowledge in quantitative data analysis;
- At least one scientific article published in international peer-reviewed journals indexed in Web of Science/Scopus.

Applicants' eligibility:

Candidates who meet the conditions set out in Article 9 of the Research Grant Regulations, No. 950/2019, of 16-12-2019, of FCT I.P. 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:

- a) Mandatory requirements: doctorates in Industrial Engineering, Systems Engineering or related fields.
- b) Preferential factors: previous experience in research projects with private partners.

Workplan and objectives to be achieved:

The BIPD are restricted in time in order to stimulate scientific employment and the use of researcher contracts as a rule for hiring them - according to n° 2, article 7° of the FCT I.P. Research Grants Regulation (2019).

- Support for the implementation of a replenishment flow management system in the context of food retail;
- Support for the management of the scientific output resulting from the project.

Applicable legislation and regulations: Research Fellow Statute (EBI), approved by Law n°. 40/2004 of August 18, in its current wording and FCT Research Fellowship Regulation, approved by Regulation n° 950/2019, published in the Diário da República, 2nd series, of December 16, 2019, in its current wording, and Scientific Research Fellowship Regulation (RBIC) of the University of Minho, approved by order n° 4998/2025, published in the Diário da República, 2nd series, n° 81, of April 28, 2025 Amended and republished through amendment statement no. 634/2025/2, published in the Official Gazette, 2nd series, no. 132, of July 11.

Host/Contracting institution and scientific supervision: The workplan will be carried out in the Algoritmi Center, School of Engineering of University of Minho, located in the Azurém Campus, Guimarães, of Nélson Bruno Martins Marques Costa, Assistant Professor at the Department of Production and Systems at the School of Engineering at the University of Minho, and the coordination of Professor Paula Fernanda Varandas Ferreira, Director of the ALGORITMI Center.

Fellowship duration: The grant will take place for a period of 6 months, with a provisional starting date on December of 2025. The fellowship grant may, eventually, be renewed up to the maximum limit allowed by the project and/or applicable legislation.

Amount of the research grant: The amount of the grant corresponds to **1 851 €/month**, according to the table of FCT grants in the country (<http://www.fct.pt/apoios/bolsas/valores>) and the table of values of the Scientific Research Scholarships of the University of Minho, updated annually by decision of 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 components of the research grant: Define other components of the grants, as provided for in Article 18º of the FCT Research Grant Regulations (RBI).

Other benefits: Reimbursement of Voluntary Social Insurance, if the candidate chooses to receive it, corresponding to the 1st step of the contribution base (for scholarships of 6 months or more) 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: Nélson Bruno Martins Marques Costa, Assistant Professor at the Department of Production and Systems at the School of Engineering at the University of Minho.

Effective members: Paula Machado Sousa Carneiro, Assistant Professor at the Department of Production and Systems at the School of Engineering at the University of Minho and Pedro Miguel Ferreira Martins Arezes, Full Professor at the Department of Production and Systems at the School of Engineering at the University of Minho.

Substitute members: Isabel Maria Pereira Leite Freitas Loureiro, Invited Professor Equivalent to Assistant Professor at the Department of Production and Systems at the School of Engineering at the University of Minho and José Dinis Araújo Carvalho Associate Professor with Habilitation at the Department of Production and Systems at the School of Engineering at 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 0 to 5 values:

Applicant Merit - AM (100%):

A.: Academic background, reflecting the field of study and the academic degree classification (according to tables A.1 and A.2), with a weighting of 50%;

A.1: Area of curricular training, weighted at 50%;

A.2: Academic degree grades, with a weighting of 50%;

A.1 – Area of Academic Training

Doctoral Area	Score
Other Engineering and Technology Sciences – Industrial Engineering	5
Other Engineering and Technology Sciences – Systems Engineering	3
Basic Sciences	2
Other Related Area	1
Unrelated Areas	0

A.2 – Definition of the scoring for academic degree classifications

PhD	
Classification	Score
Approved	3
Approved with Distinction	4
Approved with Distinction and Honour	5

B.: Personal CV, reflecting scientific and professional background (according to tables B.1, B.2, and B.3), with a weighting of 50%;

B.1.: Proven knowledge in the development, implementation and training of new work systems, with a weighting of 40%;

B.2.: Proven knowledge in quantitative data analysis, with a weighting of 30%;

B.3.: Scientific publications indexed in Web-of-Science/Scopus, with a weighting of 30%.

B.1 – Proven Knowledge in the Development, Implementation, and Training on New Work Systems Knowledge

Knowledge	
Criterion	Score
Apresenta evidências	5
Refere	2
Não apresenta. Não refere.	0

B.2 – Proven Knowledge in Quantitative Data Analysis Knowledge

Knowledge	
Criterion	Score
Apresenta evidências	5
Refere	2
Não apresenta. Não refere.	0

B.3 – Scientific Publications Indexed in Web of Science/Scopus

Articles or presentations in relevant conferences	
Criterion	Score
Mais que 3	5
2 ou 3	4
1	2
Nenhum	0

The final classification of the applicant's merit with the achieved through the following formula:

$$MR = (A. \times 0.5) + (B. \times 0.5)$$

$$\text{Where } A. = (A.1. \times 0.5) + (A.2. \times 0.5)$$

$$\text{Where } B. = (B.1. \times 0.4) + (B.2. \times 0.3) + (B.3. \times 0.3)$$

In the event that none of the applicants meet the profile required for the execution of the work plan, the Jury reserves the right to close the call without any recruitment.

Application deadline and submission: The call for applications is open from **24/10/2025** till **07/11/2025**

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:

- a) Candidate's updated curriculum vitae;
- b) 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.

Constitution of a selection reserve list: The applicants ranked in the next positions on the ordered list will be included in a selection reserve list, which can be used until **31/01/2026**.

Fellowship contractualization: The scholarship is awarded through the signing of a contract between the University of Minho and the scholarship recipient, in accordance with point 2.4 of the Rules for the Award and Management of Scholarships https://www.fct.pt/wpcontent/uploads/2022/03/Normas_de_Atribuicao_de_Bolsas_2021.pdf and the draft contract in Annex II of the University of Minho's Scientific Research Scholarship Regulations.

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. Once received by the scholarship holder, the contract must be returned, duly signed, within 15 working days.

Term and cancellation of fellowship contracts: Without prejudice to the other grounds laid down in the University of Minho's Regulations for Scientific Research Scholarships 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.



Universidade do Minho
Escola de Engenharia



CENTROALGORITMI

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.

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.

University	Funding Entity	Project	Type of Grant	Duration	Start	Term

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

(Place), (date).

(full name)