

## **EDICT**

### **ANNOUNCEMENT FOR THE AWARD OF AN R&D INITIATION GRANT**

**Reference CRIARTE - BII-1**

A call is open for the award of an R&D Initiation Scholarship (BII) within the scope of the project CRIARTE - Refª: COMPETE2030-FEDER-01192200 - 17402, co-financed by the program Portugal 2030 "Fundo Europeu de Desenvolvimento Regional (FEDER)" through the "Programa Temático Inovação e Transição Digital - Compete 2030", under the following conditions:

The purpose of the fellowship will be the implementation and development of the following activities:

1. Comparative analysis of AR (Augmented Reality) devices;
  - a. Comparative study of the characteristics of existing solutions in the market (CRIARTE);
  - b. Comparative study of the operation of the Meta Quest and HoloLens glasses - experience with loading and interaction of the Ingeniarius scenario model (CRIARTE);
2. BIM-AR integration;
  - a. Survey and evaluation of BIM (Building Information Modelling) platforms and selection of the solution that has the best characteristics for integration with Unity and AR;
  - b. Development of BIM visualization scenarios in AR;
3. Other tasks relevant to the CRIARTE project.

Generic scientific area: Computer Engineering

Specific scientific area: Augmented Reality

#### **Requirements:**

- Undergraduate students, enrolled in the academic year 2024/2025, with active enrollment and regularized status.
- With experience in programming in Unity.

**Work plan:**

The work plan will be the development of a project within the scope of the BIM-AR interconnection, fulfilling the activities defined above.

**Scholarship period:**

The fellowship has a duration of 6 months on an exclusive basis, according to the Research Scholarship Regulation of the Polytechnic Institute of Coimbra – Order No. 5963/2020, of 01/06, with the start scheduled for June 2025.

**Monthly Maintenance Allowance:**

651.12 euros, according to the table of values of Research Grants in the Country awarded by FCT. ([https://www.fct.pt/wp-content/uploads/2025/02/Tabela\\_valores\\_SMM\\_2025.pdf](https://www.fct.pt/wp-content/uploads/2025/02/Tabela_valores_SMM_2025.pdf)) and payment is made monthly by bank transfer.

To this value is added the voluntary social insurance corresponding to the first level, if the candidate chooses to register, and personal accident insurance.

**Workplace:**

The work will be developed at the Instituto Superior de Engenharia de Coimbra (ISEC), an organic unit of the IPC, under the scientific supervision of Nuno Alexandre Cid Martins and José Manuel Meireles Marinho.

**Selection Criteria:**

The criteria for evaluating applications are as follows: curriculum evaluation (50%) and interview (50%).

Curricular evaluation will consider:

- Absolute merit of the curriculum vitae (80%);
- Publications in the proceedings of scientific events and scientific journals (20%).

The interview will consider:

- Knowledge and profile appropriate to the duties to be carried out (50%);
- Availability and flexible working hours (20%);
- Motivation and interest (30%).

**Composition of the Jury:**

The jury responsible for the selection process will be made up of the PhD Professors:

President: Nuno Miguel Fonseca Ferreira, Principal Coordinating Professor at ISEC

Full members:

José Manuel Meireles Marinho, Associate Professor at ISEC

Nuno Alexandre Cid Martins, Associate Professor at ISEC

Alternates:

Filipe Alexandre Almeida Ningre de Sá, Associate Professor at ISEC

João António Pereira Almeida Durães, Coordinating Professor at ISEC.

**Applications must include the following documents:**

Candidates must access and register on the website <https://www.ipc.pt/sobre/rh/a-decorrer-bolseiros/> to submit their application, selecting the scholarship they wish to apply for.

The application must be submitted exclusively in digital format, in portable document format (pdf), with the exception of documents that must be submitted in other digital formats.

The application must be completed by completing the sections available at the aforementioned electronic address.

The application must be accompanied by the following documents:

1. Identification, address, identification document number and tax identification number;
2. Letter of motivation from the candidate;
3. Updated Curriculum Vitae (CV);
4. Proof of enrollment, in the academic year 2024/2025, in a degree course, with a regularized situation.
5. Other documents relevant to the evaluation.

When submitting an application, if the application contains a classified document that reveals a commercial or industrial secret, or a secret relating to literary, artistic or scientific property, the candidate must expressly indicate such a reservation, otherwise the work in question may be freely accessed by any of the other candidates, in the context of the process consultation.

When submitting the application, the candidate must provide the data strictly necessary for this purpose, in accordance with this notice, and must hide any personal data that may exist in the submitted documentation, otherwise this data may be freely accessed by any of the other candidates, in the context of the process consultation.

**Deadline for receipt of applications:**

It will be 10 business days, between 02/06/2025 – 16/06/2025.

**Applicable legislation and regulations:**

The award of the scholarship is based on the:

- Law No. 40/2004, of August 18, in its current wording (Statute of the Scientific Research Fellow);
- Order No. 5963/2020, of June 1, in its current wording (Regulation of the Research Fellow of the Polytechnic Institute of Coimbra)

The model of the grant contract and the final reports to be prepared by the grant holder and the coordinators are those contained in the annexes of the Scientific Research Grant Holder Statute referred to above.

**Means of publication/notification of results:**

The results of the evaluation will be disclosed within 6 working days from the deadline for submission of applications, by sending communication to the candidates, via email. After the results are announced, candidates will be notified to make, if they wish, their statements at a prior hearing within a maximum period of 10 working days after that date. After this period, the selected candidates will have to declare, in writing, their acceptance and communicate the date of the effective start of the fellowship. Unless there is a valid justification, failure to



make a declaration within the aforementioned period is equivalent to a waiver of the grant. In the event of resignation or withdrawal of the selected candidate, the candidate with the highest ranking will be notified.

For more information contact:

José Manuel Meireles Marinho através de e-mail: [fafe@isec.pt](mailto:fafe@isec.pt)

Coimbra, May 30, 2025