

Call for a Initiation Research Scholarship (BII)

The call for applications is open for an Initiation Research Scholarship (BII) under the Project "Research Centre in Digitalization and Intelligent Robotics (CeDRI)", funded by FCT/MCTES (PIDDAC), base funding, UIDB/05757/2020, granted by the Foundation for Science and Technology (FCT) under the Contract - Multi-Annual Funding Program for R&D Units 2020-2023, entered into between FCT and the R&D Unit Center for Digitization and Intelligent Robotics (CeDRI), R&D Unit no. 2020-2023, signed between the FCT and the R&D Unit, Research Centre in Digitalization and Intelligent Robotics (CeDRI) R&D Unit no. 05757, under the following conditions:

1. Scientific area:

Mathematics

2. Admission Requirements:

i) Student enrolled in an Electrical and Computer Engineering degree or in related areas; ii) Suitability of the candidate's training and experience to the objectives of the work to be developed; iii) Experience in machine learning algorithms, optimization and mathematical modeling and iv) Experience in programming in matlab and python. Fluent of the English language (written and oral communication) will also be valued.

3. Work Plan:

The present plan has as main tasks: i) develop data analysis algorithms; ii) apply and develop intelligent strategies in data analysis; iii) promote the dissemination and exploitation of the results generated in the project.

4. Objectives:

Develop intelligent systems based on data analysis for identifying alerts.

5. Applicable legislation and regulations:

Statute of the Scientific Research Grant Holder, approved by Law No. 40/2004 of 18 August, in its current wording; Regulation of Research Grants from FCT, I. P., in force <https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2019.pdf>; Regulation No. 522/2020, published in Diário da República, 2nd Series, No. 113, June 12 - Regulation of Research Grants from the Polytechnic Institute of Bragança.

6. Workplace and scientific orientation:

The work will be developed in CeDRI, under the scientific supervision of Ana I. Pereira.

7. Duration of the grant:

The fellowship will have an initial duration of 3 months, starting on august 02, 2021 (with the possibility of renewal up to a maximum of 12 months).

8. Amount of the monthly maintenance allowance:

The amount of the grant corresponds to 446,12, according to the table of values of grants awarded by FCT, I.P. in the country.

The Fellows will be covered by personal accident insurance and, if they are not covered by any social protection scheme, they may ensure the exercise of their right to social security by joining the voluntary social insurance scheme, under the terms set forth in the Code of Contributory Regimes of the Social Security Welfare System. The scholarship amount will be paid monthly by bank transfer.

9. Selection methods and respective evaluation:

The selection methods to be used will be as follows:

The selection methods to be used will be the following: a) Curriculum evaluation and its suitability for the job in question (60%); b) Experience in data analysis techniques and machine learning (20%); c) Programming experience in MatLab and Python (20%).

10. Composition of the Selection Board:

Dr. Ana I. Pereira (President of the Jury), Dr. Florbela Fernandes (member), Dr. Fátima Pacheco (member) and Dr. José Lima (alternate member).

11. Form of publication/notification of results:

Communications and the final results of the evaluation will be disseminated via email notification to the candidates.

12. Application deadline:

The contest is open for the period between 02/07/2021 and 15/07/2021.

13. Form of presentation of applications:

Applications can be formalized via email to apereira@ipb.pt, accompanied by the following documents:

- a) Curriculum Vitae;
- b) Qualifications certificate;
- c) Motivation letter

The documents proving the title of academic degrees or diplomas, or enrolment in an academic degree or diploma, may be dispensed with during the application stage. They are replaced by a declaration of honor from the candidate, and it is mandatory to verify this condition during the scholarship contracting stage.

Academic degrees obtained in foreign countries require recognition by a Portuguese institution in accordance with Decree Law no. 66/2018, of August 16 and Administrative Rule no. 33/2019, of January 25. The presentation of the recognition is mandatory for the signing of the contract.

14. Time limits and complaint and appeal procedures:

If the decision to be made is unfavorable to the grant requested, the candidates have a period of 10 working days, after the date of the announcement of the results of the evaluation, to comment, if they so wish, in a prior hearing, under the terms set forth in the Administrative Procedure Code.

The final decision may be appealed to the President of the IPB within 15 working days of notification.