

26/01/2022

GECAD-PES_2022-01

Where to apply

Application Deadline: 09/02/2022 23:00 - Europe/London

Contact Details

Where to send your application.

COMPANY

Instituto Superior de Engenharia do Porto

E-MAIL

zav@isep.ipp.pt

Hiring/Funding Organisation/Institute

ORGANISATION/COMPANY

Instituto Superior de Engenharia do Porto

COUNTRY

Portugal

DEPARTMENT

Human Resources Department

CITY

Porto

ORGANISATION TYPE

Higher Education Institute

STATE/PROVINCE

Porto

WEBSITE

<https://www.isep.ipp.pt>

POSTAL CODE

4249-015

An official EU website

E-MAIL

info-projetos@isep.ipp.pt

STREET

Rua Dr. António Bernardino de Almeida 431

ORGANISATION/COMPANY

Instituto Superior de Engenharia do Porto

LOCATION

Portugal › Porto

RESEARCH FIELD

Engineering › Computer engineering

TYPE OF CONTRACT

Other

RESEARCHER PROFILE

First Stage Researcher (R1)

JOB STATUS

Other

APPLICATION DEADLINE

09/02/2022 23:00 - Europe/London

OFFER DESCRIPTION

1. - Basic information

1. Title

2 researchers for a “Bolsa de Iniciação à Investigação” in the area of Computer Engineering, for GECAD (GECAD–EEA/00760), PRECISE project (PTDC/EEI-EEE/6277/2020), with reference GECAD-PES_2022-01.

1. 2. Offer Description

GECAD (GECAD–EEA/00760), is recruiting 2 researchers for a “Bolsa de Iniciação à Investigação” in the area of Computer Engineering, financed by national funds through FCT/MCTES (PIDDAC) and co-financed, when applicable by the “Fundo Europeu de Desenvolvimento Regional” (FEDER) in the context of PT2020, for PRECISE project, with reference PTDC/EEI-EEE/6277/2020, where the following conditions apply:

Duration of the grant: 3 months duration, eventually starting in March 2022, and eventually renewable in accordance with the project's objectives and its budget, up to the limit established in the legislation, to be carried out on an exclusive basis, according to the regulations for advanced training of human resources of the Fundação para a Ciência e Tecnologia and the ISEP.

An official EU website

1. 3. Work Plan.

The 2 selected researchers will developed the following:

Researcher nº 1: Hybrid data and knowledge-based artificial intelligence models

Researcher nº 2: Explainable artificial intelligence (XAI) based frameworks

The work plan involves the following tasks:

- Design and computational implementation of methods, algorithms, and computational applications;
- Integration and reformulation of existing and developed computational applications;
- Integration of computational applications with physical resources, namely for data acquisition and control;
- Participation in meetings with supervisors and project teams;
- Laboratory activities, including prototyping, and preparation of case studies, simulation studies, and the respective analysis and presentation of results;
- Availability of all the source codes regarding the developed software, within the scope of the work plan, and the proper manual documentation;
- Reports and scientific papers preparation, including the final activity report;
- Communication and dissemination activities.

The applicable laws are: Estatuto do Bolseiro de Investigação, aprovado pela Lei n.º 40/2004, de 18 de agosto; Regulamento de Bolsas de Investigação da Fundação para a Ciência e Tecnologia, aprovado pelo Regulamento n.º 950/2019, publicado na 2.ª série- Parte C, do Diário da República, de 16 de dezembro de 2019 e Regulamento de Bolsas de Investigação do ISEP, todos nas suas redações atuais.

The candidates to be selected will be scientifically supervised by Prof. Zita Vale.

The workplace is at GECAD – the Research Group on Intelligent Engineering and Computing for Advanced Innovation and Development in the following address: Rua Dr. António Bernardino de Almeida, 431. 4200-072 Porto – Portugal.

Applications should be sent, mandatorily, by email to zav@isep.ipp.pt , with cc to csr@isep.ipp.pt and lfg@isep.ipp.pt, with the following documents:

- An official EU website
Curriculum Vitae, including personal address, email, and phone;

Certificate of Qualifications / Document proving ownership of the academic degree and diploma, of the respective recognition when awarded by foreign higher education institutions or document proving the request for recognition;

Document with the grades, obtained in the curricular units of the ongoing Computer Engineering degree enrolled by the candidate, the respective credits, and the grade average so far;

Up to 3 documents (reports or publications) prepared by the candidate individually or in groups that attest to their participation in integrative projects;;

Motivation letter;

Other relevant documents.

If the qualification has been granted by a foreign higher education institution, it must comply with the provisions of Decreto-Lei No. 66/2018, of August 16, and any formalities established therein must be fulfilled by the time of hiring.

The candidates will be individually notified by email message on the final evaluation results.

1. 4. Researcher Profiles

First Stage Researcher (R1)

2. - Required Education Level

1. Skills/Qualifications

Strong scientific background and experience in the call scientific area. Good team-work skills.
Authorship of scientific papers.

1. 2. Specific Requirements

Being enrolled in a Computer Engineering course, high level of computational programming skills, experience and motivation for development of informatic applications, writing and speaking proficiency in English.

3. - Required Languages

Language: English

Level: Excellent

4. - Required Research Experience

1. Benefits

Monthly value of the grant: € 446.12/month, paid by bank transfer (according to the table of stipends of FCT:

<http://www.fct.pt/apoios/bolsas/valores.phtml.en>), supported through the PAD n.º C54068 and C54069.

1. 2. Eligibility criteria

Required profile: enrollment in a computer engineering course, or equivalent, with at least 100 credits already completed, high level of computational programming skills, experience and motivation for development of informatic applications, writing and speaking proficiency in English.

Preferred profile: Grade average of 14 (considering a 0 to 20 range) in the course of computer engineering or equivalent, experience in integrative projects for the development of software systems within a team and motivation for the area of Artificial Intelligence and energy management systems.

Candidates must be enrolled in a Degree in Computer Engineering, or equivalent.

1. 3. Selection process

The selection method will take into account the following components: Curriculum vitae evaluation (60%) and interview (40%). The interview will be conducted in English.

Evaluation panel:

Professora Doutora Zita Maria Almeida Vale (President);

[Professional Website](#) Professor Doutor Carlos Fernando da Silva Ramos;

Doutor Luís Filipe de Oliveira Gomes;

and Doutor Pedro Nuno da Silva Faria (supplementary).

1. 4. Deadline for Applications

Application period: 27 of January to 9 of February 2022

1. 5. Results Communication

The candidates will be individually notified by email message on the final evaluation results.

1. 6. Claim and Appeal Procedures

If the result is unfavorable, candidates have a period of 10 working days, after the results communication, if they so wish, in the context of a prior hearing of interested parties, under the terms provided for in the Code of Administrative Procedure.

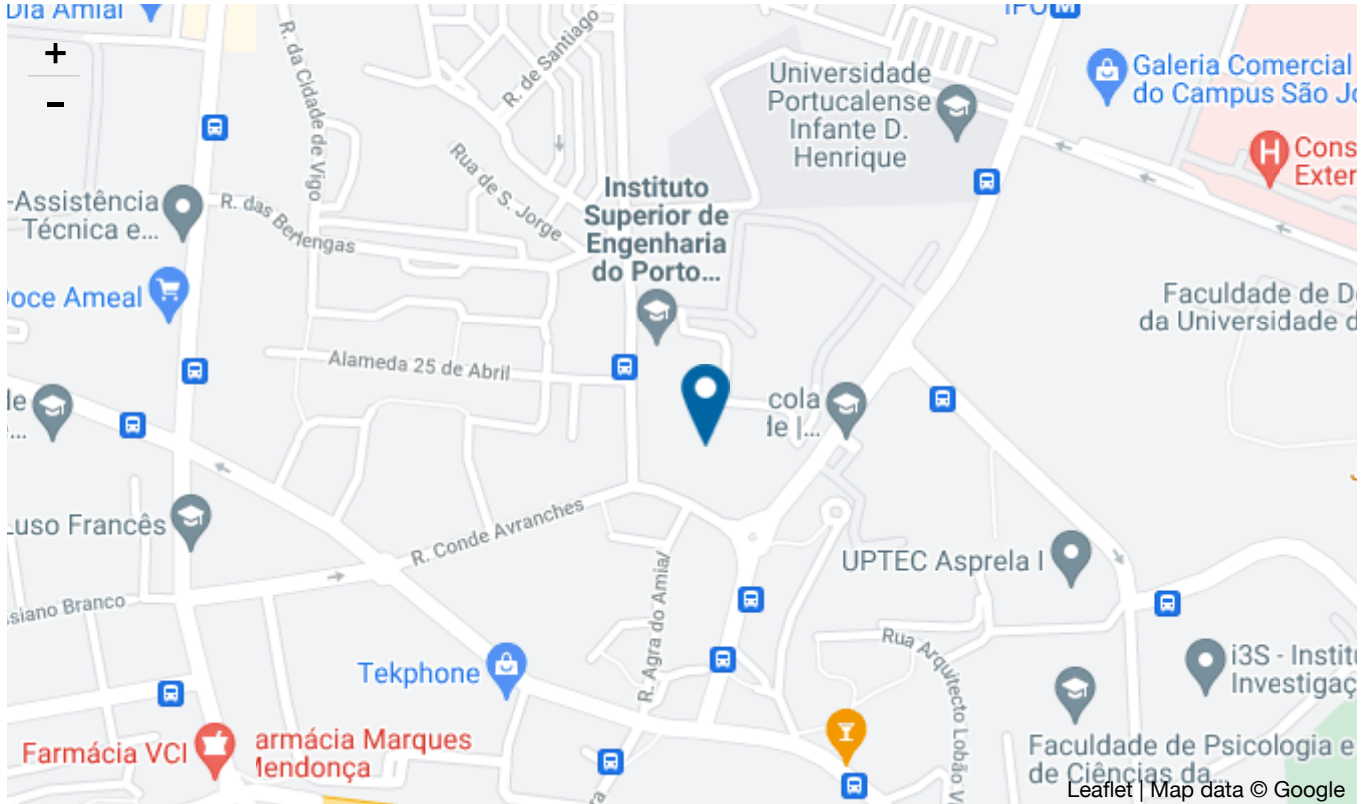
A hierarchical appeal may be filed against the final decision referred to in the previous numbers, to the President of ISEP, within 15 working days after the respective notification.

1. 7. Additional comments

ISEP may opt to select the approved and non-selected candidates in the scope of the current call for contracting additional researchers for the same project, in case that the selected candidate doesn't accept the position.

More Information

Map Information



WORK LOCATION(S)

2 position(s) available at
Instituto Superior de
Engenharia do Porto
Portugal
Porto
Porto
4249-015
Rua Dr. António Bernardino
de Almeida 431

EURAXESS offer ID: 734387

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