European Commission

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GECAD-PES_2024-02

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Apply

29 Jan 2024

Job Information

Organisation/Company	Instituto Superior de Engenharia do Porto
Department	Human Resources Department
Research Field	Engineering
Researcher Profile	First Stage Researcher (R1)
Country	Portugal
Application Deadline	12 Feb 2024 - 23:59 (Europe/Lisbon)
Type of Contract	Other
Job Status	Other

Is the job funded through the EU Research Framework Programme? Not funded by an EU programme

Is the Job related to staff position within a Research Infrastructure? No

Offer Description

1.Basic information

1.1 Title

5 researchers for a "Bolsa de Iniciação à Investigação" in the areas of Computer Engineering or Electrical Engineering, for GECAD (GECAD–EEA/00760), with reference GECAD-PES_2024-02.

1.2 Offer Description

GECAD (GECAD–EEA/00760), is recruiting 5 researchers for a "Bolsa de Iniciação à Investigação" in the areas of Computer Engineering or Electrical Engineering, financed national funds through FCT/MCTES (PIDDAC) and co-financed, when applicable by the "Fundo Europeu de Desenvolvimento Regional" (FEDER) in the context of PT2020, in the context of the PRECISE project (reference PTDC/EEI-EEE/6277/2020), with reference GECAD-PES_2024-02, where the following conditions apply:

Duration of the grant: 3 months duration, eventually to be renewed according to the applicable laws, the project execution and respective budget, starting expectingly on February 2024.

The work plan will be carried out on an exclusive basis, according to the Regulation of Research Grants of the Foundation for Science and Technology, approved by Regulation no. 950/2019, and the Regulation of ISEP Research Grants.

The work plan will be integrated in one of the following projects:

- Generation of automatic reports based on Explanable AI (XAI);

- PRECISE Web: Unified interface with integration of the multiple PRECISE modules;

- Development of a web scraper for bibliographic reviews;

- Computational agents with reinforcement learning for competitive games;

- Design, implementation and deployment of a new version of an open source artificial intelligence system in Python;

The work plan involves the following tasks:

- Conception, adaptation, implementation and integration of applications or models, according to the needs of the project where the grant is inserted;

- Testing and validation of applications or models using realistic case studies, laboratory prototypes, and implementation in pilots, in accordance with the needs of the project where the grant is inserted;

- Active participation in meetings within the framework of the grant, with the supervisor and research group team, and, if applicable, within the scope of the project where the grant is inserted, with national and/or international partners;

- Collaboration on scientific articles, project deliverables, or scientific reports;

- Participation in activities related to communication and dissemination, internal and external, of the work developed;

- Preparation and delivery, to the advisor, of the reports, foreseen or requested, on the activities carried out within the scope of the grant, including the final report of activities;

- Availability of all data, models, software source code, diagrams and figures used, prepared, and developed within the scope of the grant, as well as the manuals necessary for their use.

The applicable laws are Research Fellowship Statute, approved by Law no. 40/2004, of 18 August; Regulation of Research Grants of the Foundation for Science and Technology, approved by Regulation no. 950/2019, published in the 2nd series - Part C, of the Diário da República, of December 16, 2019, Regulation of ISEP Research Grants, Decree-Law No. 66/2018, published in Diário da República No. 157/2018, Series I of 16 August, which approves the legal regime for the recognition of academic degrees and higher education diplomas awarded by foreign higher education institutions and Decree-Law No. 60/2018, of 3 August, which simplified administrative procedures necessary for carrying out research and development activities, all in their current wording.

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:

a.   Motivation letter;

b.   Curriculum Vitae, including personal address, email, and phone;

c.   Copy of the civil, tax and, when applicable, social security identification document(s);

d.   Document proving the country of residence, residence permit or other legally equivalent document, when applicable, valid on the start date of the scholarship, with this condition being verified only during the scholarship contracting phase;

e.   Proof of enrollment in a cycle of studies of bachelor's degree or a non-academic degree part of the educational project of a higher education institution, developed in association or cooperation with one or more R&D units;

f.   Declaration by the candidate listing the contracts and execution of past research initiation, research or post-doctoral research grants, which must include the type of grant and the respective start and end dates;

g.   Documents of a scientific or technical nature, of which the candidate is the author, which allow the evaluation of activities and previous results of the candidate relevant to the respective application;

h.   Other documents that the candidate finds relevant.

i.   Certificate of qualifications / Document proving ownership of the academic degree and diploma, its recognition when it has been awarded by foreign higher education institutions or

document proving the request for recognition;

The documents referred to in c) can be replaced, at the option of the candidate, by the presentation in person at the financing entity, which will keep the elements contained therein that are relevant for the validity and execution of the contract, including the civil, tax identification numbers and social security, as well as the validity of the respective documents.

Application period: January 30th to February 12th 2024

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

1.3   Researcher Profiles

First Stage Researcher (R1)

2. - Required Education Level

2.1   Skills/Qualifications

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

2.2   Specific Requirements

Being enrolled in a course of Computer Engineering or Electrical Engineering or similar area, experience and motivation for the integration and development of computer applications and knowledge of spoken and written English. Previous relevant work and scientific research experience in the domains of this "Bolsa de Iniciação à Investigação".

3. - Required Languages

Language: English

Level: Excellent

4. - Required Research Experience

4.1   Benefits

Monthly value of the grant: € 541.12/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 PADs n.º C62809, C62810, C62811, C62812, and C62813.

4.2   Eligibility criteria

Required profile: Enrollment in a course of Computer Engineering or Electrical Engineering or similar area, with at least 100 credits already completed, experience and motivation for the integration and development of computer applications and knowledge of spoken and written English.

Preferred profile: Grade average of 13 (considering a 0 to 20 range) in the course of enrollment, and Good ability to work in teams and experience in the development of computer applications, experience in integrative projects for the development of software systems in a team and motivation for the areas of artificial intelligence and energy management.

Candidates must be enrolled in a bachelor's degree or a non-academic degree part of the educational project of a higher education institution, developed in association or cooperation with one or more R&D units.

4.3 Selection process

The selection method will take into account the following components: Curriculum vitae evaluation (60%) and interview (40%). The interview can, by request from one of the parts, be conducted in English.

Evaluation panel:

Professora Doutora Zita Maria Almeida Vale (President);

Professor Doutor Carlos Fernando da Silva Ramos;

Doutor Luís Filipe de Oliveira Gomes;

and Doutor Pedro Nuno da Silva Faria (supplementary).

4.4 Complaint and appeal procedures

If the result is unfavorable, the candidates have a period of 10 working days, after the results of the evaluation of applications are published, to, if they so wish, make their opinion known in a prior hearing of interested parties, under the terms set forth in the Administrative Procedure Code

4.5 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.

Requirements

Research Field	Engineering
Education Level	Undergraduate

Additional Information

Work Location(s)

Number of offers available	5
Company/Institute	Instituto Superior de Engenharia
Country	Portugal
State/Province	Porto
City	Porto
Postal Code	4249-015

Street   Rua Dr. António Bernardino de Almeida 431

Where to apply

E-mail   zav@isep.ipp.pt

Contact

State/Province   Porto

City   Porto

Website   https://www.isep.ipp.pt

Street   Rua Dr. António Bernardino de Almeida 431

Postal Code   4249-015

E-Mail   info-projetos@isep.ipp.pt
                                         info-sp@isep.ipp.pt