

12/10/2021

GECAD-PES_2021-16

Where to apply

Application Deadline: 26/10/2021 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

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

26/10/2021 23:00 - Europe/London

OFFER DESCRIPTION

1. - Basic information

1. Title

2 researchers for a “Bolsa de Investigação” in the area of Computer Engineering, Electrical engineering, informatics, or similar, for GECAD (GECAD–EEA/00760), TloCPS project, with reference GECAD-PES_2021-16.

1. 2. Offer Description

GECAD (GECAD–EEA/00760), is recruiting 2 researchers for a “Bolsa de Investigação” in the area of Computer Engineering, Electrical engineering, informatics, or similar area, 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 TloCPS project, with reference POCI-FEDER-01-0247-FEDER-046182, where the following conditions apply:

Duration of the grant: The scholarship will have a duration of 6 months, starting in November 2021, and may be renewed according to the project's objectives and budget, up to the limit established by law, to be held on an exclusive basis, in accordance with the regulations for advanced training of human resources of the Foundation for Science and Technology and ISEP.

The applicants should have motivation and experience on computational methods for real-time intelligent management and negotiations in the context of Internet of Things (IoT) including use of multi-agents, machine learning, heuristic optimization, and knowledge-based approaches.

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 project partners
- Reports and scientific papers preparation;
- Laboratorial and prototyping activities, including case studies preparation, simulation, and result analysis and presentation;
- 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. 4249-015 Porto – Portugal.

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

Curriculum Vitae;

graduation diplomas. In the case that the academic degree has been granted by a foreigner university, the applicant must submit the certificate of degree recognition in Portugal, or proof of respective application. All the requirements in the Decreto-Lei n.º 66/2018, de 16 de Agosto must be accomplished until de contract signature date.

Certificate of being enrolled in a MSc degree program, or other not providing degree;

Technical or scientific documents authored by the applicant, which may be relevant to assess previous activities and results;

Other relevant documents.

Application period: 13rd to 26th October.

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

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

BSc degree in computer engineering, Electrical engineering, informatics, or similar area, high level of computational programming skills, experience and motivation for development of informatic applications, writing and speaking proficiency in English. Previous relevant work and scientific research experience in computational applications with focus on prototyping and data acquisition and control of physical components.

3. - Required Languages

Language: English

Level: Excellent

4. - Required Research Experience

1. Benefits

Monthly value of the grant: € 835.98/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. ^{os} C51267, C52693.

1. 2. Eligibility criteria

Minimum profile required: BSc degree in computer engineering, Electrical engineering, informatics, or similar area, high level of computational programming skills, experience and motivation for development of informatic applications, writing and speaking proficiency in English. Previous relevant work and scientific research experience in computational applications with focus on prototyping and data acquisition and control of physical components.

Preferred profile: Knowledge about communication protocols applied to cyber-physical systems.

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);

Professor Doutor Carlos Fernando da Silva Ramos;

Doutor Bruno Miguel da Rocha Canizes;

and Doutor Tiago Manuel Campelos Ferreira Pinto (supplementary).

1. 4. 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

ADDITIONAL INFORMATION

Benefits

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REQUIREMENTS

Offer Requirements

REQUIRED LANGUAGES

ENGLISH: Excellent

Skills/Qualifications

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Map Information



Job Work Location



Personal Assistance locations

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: 695596

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