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How do you know?

29/06/2021

# Research grant

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## Where to apply

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Application Deadline: 13/07/2021 23:00 - Europe/London

### Contact Details

**Where to send your application.**

**COMPANY**

Instituto Superior de Engenharia do Porto

**E-MAIL**

zav@isep.ipp.pt

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## Hiring/Funding Organisation/Institute

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**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

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**ORGANISATION/COMPANY**

**LOCATION**

Instituto Superior de Engenharia do Porto

Portugal › Porto

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**RESEARCH FIELD**

Engineering › Computer engineering

**TYPE OF CONTRACT**

Temporary

**RESEARCHER PROFILE**

First Stage Researcher (R1)

**JOB STATUS**

Other

**APPLICATION DEADLINE**

13/07/2021 23:00 - Europe/London

## OFFER DESCRIPTION

GECAD (GECAD–EEA/00760), is recruiting 1 researcher for a “Bolsa de 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: 6 months duration, eventually to be renewed according to the applicable laws, the project execution and respective budget, starting expectingly on July 2021.

The applicants will work on models for cyber-physical solutions for power systems explainable semantic learning. Different cyber-physical contexts and power systems operation could be considered. Relevant artificial intelligence method will be developed, 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. 4200-072 Porto – Portugal.

Applications should be sent, mandatorily, by email to [zav@isep.ipp.pt](mailto:zav@isep.ipp.pt), with cc to [csr@isep.ipp.pt](mailto:csr@isep.ipp.pt) and [bmc@isep.ipp.pt](mailto:bmc@isep.ipp.pt),

With the following documents:

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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 master degree program;

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

Other relevant documents.

Application period: 30 of June to 13 of July, 2021.

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

## More Information

ADDITIONAL INFORMATION

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## Benefits

Monthly value of the grant: € 1104.64/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 C51524.

## Eligibility criteria

Required profile: MSC degree in computer engineering, high level of computational programming skills, experience and motivation for development of informatic applications, writing and speaking proficiency in English.

Preferred profile: Previous relevant work and scientific research experience in computational applications with focus on prototyping and data acquisition and control of physical components, semantics and ontologies.

## 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).

## Additional comments

- I am not allowed to select the approved and non-selected candidates in the scope of the current call for contracting. Do you know?  
additional researchers for the same project, in case that the selected candidate doesn't accept the position.

## REQUIREMENTS

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### Offer Requirements

#### REQUIRED EDUCATION LEVEL

Engineering: Master Degree or equivalent

#### REQUIRED LANGUAGES

ENGLISH: Excellent

## Skills/Qualifications

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

## Specific Requirements

MSC degree in computer engineering, high level of computational programming skills, experience and motivation for development of informatic applications, writing and speaking proficiency in English.

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## Map Information



 Job Work Location
  Personal Assistance locations

### WORK LOCATION(S)

1 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: 658207

### Disclaimer:

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