01/10/2021

GECAD-PES_2021-14

Where to apply

Application Deadline: 18/10/2021 23:00 - Europe/London

Contact Details

Where to send your application.

COMPANY
Instituto Superior de Engenharia do Porto

E-MAIL
scr@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 › Electrical engineering

TYPE OF CONTRACT
Other

RESEARCHER PROFILE
First Stage Researcher (R1)

JOB STATUS
Other

APPLICATION DEADLINE
18/10/2021 23:00 - Europe/London

OFFER DESCRIPTION

1. - Basic information

1 researcher for a “Bolsa de Investigação” in the area of Electric Power Engineering, for GECAD (GECAD–EEA/00760), RETINA project, with reference GECAD-PES_2021-14 (NORTE-01-0145-FEDER-000062).

GECAD (GECAD–EEA/00760), is recruiting 1 researcher for a “Bolsa de Investigação” in the area of Electric Power 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 RETINA project, with reference GECAD-PES_2021-14, where the following conditions apply:

Duration of the grant: The scholarship will have a duration of 6 months, starting in October 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 including use of multi-agents, namely in the context of intensive use of distributed energy resources.

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 Doctor Luis Gomes.

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 scr@isep.ipp.pt , with cc to log@isep.ipp.pt and pnf@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 another program 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: 4 th and 18 th October.

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

1. 1. 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 electric power engineering, 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 intelligent systems, modeling, and multi-agents. Good programming skills computational applications based on artificial intelligence.

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. º–C51527. A supplement of may be attributed, with a maximum of 268,66 euros, for researcher with relevant CV.

1. 2. Eligibility criteria

Minimum profile required: BSC degree in computer engineering or electric power engineering, 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 based on artificial intelligence, namely using knowledge-based systems, machine learning, modeling, simulation and multi-agents. Good programming skills computational applications based on artificial intelligence.

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

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:

Professor Doutor Sergio Filipe Carvalho Ramos (President);

Doutor Luis Filipe Oliveira Gomes;

Doutor Pedro Nuno Silva Faria;

and Doutor Bruno Miguel da Rocha Canizes (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

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. º–C51527. A supplement of may be attributed, with a maximum of 268,66 euros, for researcher with relevant CV.

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Additional comments

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REQUIREMENTS

Offer Requirements

REQUIRED EDUCATION LEVEL
Engineering: Bachelor Degree or equivalent

REQUIRED LANGUAGES
OTHER: Excellent

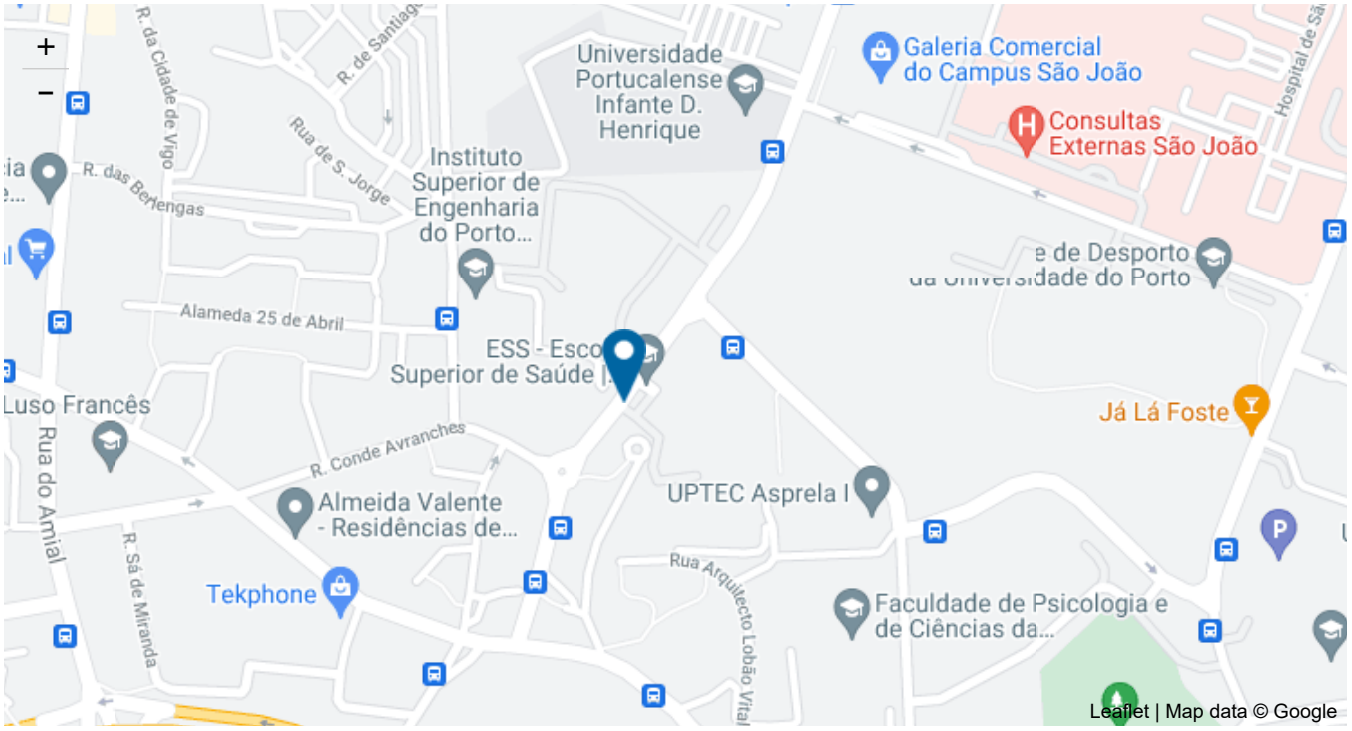
Skills/Qualifications

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

Specific Requirements

BSC degree in electric power engineering, 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 intelligent systems, modeling, and multi-agents. Good programming skills computational applications based on artificial intelligence.

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: 691638

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