

## ANÚNCIO PARA ATRIBUIÇÃO DE BOLSA DE INVESTIGAÇÃO

GECAD\_2017\_02

GECAD (GECAD–EEA/00760) is recruiting 1 undergraduate student in Informatics for a “Bolsa de Iniciação científica”. This call concerns research activities developed in GECAD, namely in the areas of Ambient Intelligence and Power and Energy Systems. This project is funded by Portuguese funds through FCT/MCTES (PIDDAC).

### 1. CIENTIFIC AREA

Engineering

### 2. ACADEMIC DEGREE

Undergraduate student in Informatics.

### 3. DURATION OF THE GRANT

From May 15th 2016 until August 14th 2017 (03 months duration), eventually to be renewed according to the project execution and respective budget.

### 4. ACTIVITIES AND WORKPLAN:

The candidates to be selected will participate in the project activities.

The work plan involves the following tasks:

- GECAD ongoing projects, namely concerning the development of intelligent engineering systems.
- Design and computational development of methods, algorithms, and computational applications, namely in the areas of Power and Energy Systems and Ambient Intelligence, including the use of Artificial Intelligence concepts and techniques, namely data mining, big data and deep learning;
- Integration and reformulation of existing and developed computational applications
- Reports and scientific papers preparation;
- Laboratorial and prototyping activities, including case studies preparation, simulation, and result analysis and presentation;
- Communication and dissemination activities;

### 5. LEGISLATION AND REGULATIONS

Lei n.º 40/2004, de 18 de agosto, alterada e republicada pelo Decreto-Lei n.º 202/2012, de 27 de agosto, pela Lei n.º 12/2013, de 29 de janeiro e ainda pelo Decreto-Lei n.º 89/2013, de 9 de julho; Regulamento n.º 73/2015, de 16 de fevereiro (publicado no DR n.º 32, Série II, 2015-02-16) – Regulamento de Bolsas de Formação Avançada do ISEP; Regulamento de Bolsas de Investigação da FCT, I.P., aprovado pelo Regulamento n.º 234/2012, de 25 de junho, alterado pelo Regulamento n.º 326/2013, de 27 de agosto.

### 6. SUPERVISION AND WORKPLACE

The candidates to be selected will be scientifically supervised by Professor Goretí Marreiros.

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

### 7. REMUNERATION

As defined by FCT (€ 385.00/month), according to the table of stipends of the country (available in <http://www.fct.pt/apoios/bolsas/valores.phtml.en>), paid by bank transfer.

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### 8. CANDIDATE SELECTION METHODOLOGY AND EVALUATION PANEL

Only candidates that have presented the complete set of application documents will be admitted. The selection method will take into account the following components: Curriculum vitae evaluation (60%) and interview (40%). The interview will be conducted in English.

Jury members: Prof. Zita Maria Almeida do Vale (panel coordinator), Prof. Maria Goreti Carvalho Marreiros and Prof. Isabel Cecília Correia Silva Praça Gomes Pereira. Members of the substitute panel: Prof. Sérgio Filipe Carvalho Ramos and Prof. Carlos Fernando da Silva Ramos.

### 9. RESULTS PUBLICATION AND NOTIFICATION

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

### 10. CANDIDATURE

Undergraduate student in Informatics.

Minimum profile required: Background and experience in the respective studies field. Writing and speaking proficiency in English. Good skills for team work. Some previous practical work experience and good programming skills. Preferred profile: Previous experience in the development of artificial intelligence based computer applications, involving intelligent systems, modelling, simulation, and heuristic optimization.

Preferred profile: Experience in real and/or laboratorial prototypes, involving software and hardware.

### 11. APPLICATION PERIOD AND APPLICATION OF DOCUMENTS

From 30th March until 13rd April 2017.

Curriculum vitae; graduation diplomas; document with course marks; copy of any previously published works that are relevant for the application evaluation. An application letter with the fellowship reference (GECAD\_2017\_02) should be included, indicating clearly the motivation of the application and the full contact information (as minimum: email address, mobile phone number, and postal address) of the candidate. All the documents prepared by the candidate for the application should be written in English. Documents should be sent [mgt@isep.ipp.pt](mailto:mgt@isep.ipp.pt) and additionally they may also be sent to GECAD to the following address:

Prof. Goreti Marreiros

GECAD (Research Group on Intelligent Engineering and Computing for Advanced Innovation and Development)  
ISEP/IPP

Rua Dr. António Bernardino de Almeida, 431  
4200-072 Porto – Portugal

### 12. ADDITIONAL INFORMATION

Additional information can be obtained by phone +351228340511 or by email [mgt@isep.ipp.pt](mailto:mgt@isep.ipp.pt)

### 13. SELECTION RESERVATION

GECAD 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, for a period of 18 months, after the communication of the current call results to the candidates.