ANÚNCIO PARA ATRIBUIÇÃO DE BOLSA DE INVESTIGAÇÃO

GECAD_2017-03

GECAD (GECAD– EEA/00760 com o apoio financeiro da FCT/MCTES através de fundos nacionais, is recruiting 1 graduate student in Informatics for a "Bolsa de Investigação", to collaborate in the research and development activities in the area of Intelligent Engineering Systems. This call concerns research activity developed in GECAD, namely in the areas of Ambient Intelligence and Power and Energy Systems. We are looking for students with motivation for areas such as data mining techniques, big data, optimization, planning, scheduling, intelligent interaction, ontologies and knowledge representation, affective computing, ubiquitous computing, context awareness, cyber-physical systems and in their application to real world engineering problems. Applicants with previous course approval and work experience in these areas are preferred. This project is funded by Portuguese funds through FCT/MCTES (PIDDAC). The following conditions are applied to this recruitment process:

1. CIENTIFIC AREA

Engineering

2. ACADEMIC DEGREE

Graduate student in Informatics

3. DURATION OF THE GRANT

From December 1st 2017 until February 28th 2018 (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 GECAD ongoing projects, namely concerning the development of intelligent engineering systems.
The work plan involves the following tasks:
- 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 nº40/2004, de 18 de Agosto (Estatuto do Bolseiro de Investigação Científica) e Regulamento de Bolsas e Investigação da Fundação para a Ciência e a Tecnologia em vigor (www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf), modified and e republished by Decree-law no. 202/2012, of 27 August and modified by Decree-law no. 233/2012, of October and by Law no. 12/2013, of 29 January; Regulation no. 405/2010, May.6.2010 (published in "Diário da República" no. 88, II Serie, 06.May.2010); "Despacho IPP-P-002-2013 - Regulamento de Bolsas de Projetos"; "Regulamento de Bolsas de Investigação da Fundação para a Ciência e a Tecnologia, I.P. – 2013.

6. SUPERVISION AND WORKPLACE

The candidates to be selected will be scientifically supervised by Professor Goreti 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 (€ 745.00/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.

8. CANDIDATE SELECTION METHOLOGY 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.
Prof. Maria Goreti Carvalho Marreiros, Prof. Isabel Cecília Correia Silva Praça Gomes Pereira and Prof. Sérgio Filipe Carvalho Ramos. Members of the substitute panel: Prof. António Constantino Martins 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

BSc degree in Electrical Engineering or similar
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. Experience in real and/or laboratorial prototypes, involving software and hardware.

11. APPLICATION PERIOD AND APPLICATION OF DOCUMENTS

From 02nd November until 15th November 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_2017-03) 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 and additionally they may also be sent to GECAD to the following address:

Professor 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

Can be obtained by phone +351-228340511 or by email 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.