

Post-doctoral Fellowship (M/F)

A post-doctoral fellowship is available for PhD holders under the scope of project RL6-MAT – Media, Arts and Technologies, NORTE-07-0124-FEDER-000061, financed by the European Regional Development Fund (FEDER), through North Portugal Regional Operational Programme (ON2), and by national funds, through FCT/MEC, in the following conditions.

Research Area: Computer Graphics / Serious Games

Admission requirements: PhD holders in the scientific area of Computer Graphics, or another area related with Informatics or Computer Science on topics associated with the development of digital games / serious games.

Preferred factors: the quantity and quality of scientific publications, experience in research projects and on the development of applications for projects. Other preferred factors are expertise in design and development of digital games / serious games, virtual reality, procedural content generation, simulation, and evaluation of the usability and/or user experience.

Work plan: This fellowship has, as overall objective, to develop new methodologies and corresponding platforms, adequate to the design and development of serious games for effective learning. The work plan includes the study of the state of the art, the development of a method for designing serious games based on learning objectives, the development of a dedicated platform by extending a game engine, the implementation of techniques for procedural content generation and the development of a framework for the evaluation and certification of competencies based on serious games.

Legislation and regulations: Law No. 40/2004, of August 18th, as amended by Decree-Law No. 202/2012 of August 27th, and amended by Decree-Law No. 233/2012, of October 29th and Law No. 12/2013, of January 29th, and Decree-Law No. 89/2013, of 09 July (Status of Scientific Research Fellow); Regulamento de Bolsas de Investigação da Fundação para a Ciência e a Tecnologia (<http://www.fct.pt/apoios/bolsas/regulamento.phtml.pt>) and Regulamento de Bolsas da Universidade do Porto.

Place of work: The work will be developed in the Department of Informatics Engineering, Faculty of Engineering, University of Porto, Portugal, under the scientific guidance of Professor António Fernando Coelho.

Duration of the Fellowship: This fellowship will last for six months, starting in January 2014, on an exclusive basis, and may be renewed, but not exceeding the conclusion date of the project (June 30th 2015).

Value of the grant: The grant corresponds to a monthly wage of € 1,495.00 according to the values regulated by FCT, (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>).

Selection methods:

Curriculum evaluation for all candidates and interview for selected candidates in the final stage of the selection process. The rating is 70% for Curriculum Evaluation (35% Curriculum, 20% Scientific Domains and 15% Research Experience in the Scientific Area) and 30% for the Interview.

Jury:

Presidente — António Fernando Coelho

1º vogal efetivo – A. Augusto Sousa

2º vogal efetivo – Rui Pedro Amaral Rodrigues

1º vogal suplente – Alexandre Valle de Carvalho

2º vogal suplente – Luís Teixeira

Notification of results: The final evaluation results will be disseminated through an ordered list with the standings, sent to applicants via email.

Deadline for application form and submission of applications:

Applications are welcome from 17-01-2014 until 30-01-2014

Applications must be formalized by email to recrutamentorh@sp.up.pt with CC: to acoelho@fe.up.pt, indicating the reference of the project on the subject (**FEUP-BPD-MAT**). The application must be submitted with the following documents: motivation letter, academic qualification certificates, detailed CV, ID (passport), and other documents deemed relevant by the candidate.