

The Polytechnic Institute of Leiria (IPLeiria) - School of Technology and Management (ESTG) is now opening applications for a scientific research fellowship (BI), in the following terms:

Project: ArWare - Augmented Reality for intelligent WAREhouse management (COPROMOÇÃO n.º 33432).

Project coordinator: Carlos Fernando Couceiro de Sousa Neves.

Fellowship scientific supervisor: Hugo Filipe Costelha de Castro.

Scientific area: Electrical and Computer Engineering or related fields.

Type: Scientific Research Fellowship (BI).

Goals: Development of a localization system for augmented reality.

Object: Applied research with hardware and software development and integration for indoor pose estimation (position and orientation).

Duration: 12 months, with the possibility of renewal. The fellowship is due to start in November 2018.

Goals: Implementation of a localization system (position and orientation) of a mobile element within the scope of a logistics area (warehouse) using sensor fusion and visual cues. Communication of pose data using standard formats and protocols. Experimental development and test of an integrated system, with a final application on a demonstrator. Producing documentation detailing the study and the obtained results.

Recipients: Holders of an undergraduate degree in Electrical and Computer Engineering or related fields.

Profile: Experience in developing hardware/software for electronic systems. Good knowledge of computer science tools for developing software and hardware for electronic systems and communication with industrial systems. High autonomy, strong motivation to work in a team, will to learn, create new knowledge, and evolve with the project.

Workplace: School of Technology and Management of the Polytechnic Institute of Leiria (ESTG-IPLeiria).

Financing entity: Co-funded by the COMPETE 2020 programme, PORTUGAL 2020, European Union, through the European Regional Development Fund.

Financial details: Monthly maintenance stipend of €745, according to the FCT Regulation for Studentships and Fellowships (www.fct.pt/apoios/bolsas/valores), and the Regulation of Scientific Research Grants of IPLeiria, plus the Voluntary Social insurance (optional), under the conditions defined in the Research Fellowship Holder Statute, as well as the Personal Accident Insurance.

Periodicity: Monthly.

Payment: Check or bank transfer.

Scheme: Exclusivity, according to the applicable legislation.

Evaluation: The evaluation of the applications is based on the curriculum vitae analysis, and a possible interview, taking into account the required profile and the evaluation criteria.

Evaluation criteria: a) Academic qualifications (AQ): final undergraduate degree grade; b) Professional/Academic experience (PE); c) Interview (I); with the final score (FS) = $[AQ \cdot 0.45 + PE \cdot 0.2 + I \cdot 0.35]$. If the jury decides not to do the Interview, which must be duly justified in the minute, the final score is: $FS = [AQ \cdot 0.6 + PE \cdot 0.4]$. The evaluation and ranking criteria are part of the jury's minute, which can be consulted upon request.

Jury: Professors Hugo Filipe Costelha de Castro (president), Carlos Fernando Couceiro de Sousa Neves and Luís Miguel Pires Neves (effective members); Rui Pedro Charters Lopes Rijo e Ricardo Filipe Gonçalves Martinho (substitute members).

Renewal: According to article no. 27 of the Regulation of Scientific Research Grants of IPLeiria.

Applications deadline: From 29th of October to 13th of November 2018.

Applications: Applications are made by presenting a duly filled, dated and signed application form (available at www.ipleiria.pt), with the following documentation attached:

a) Documents attesting that the candidate meets the requirements for this type of fellowship, namely academic qualifications certificates (with the final grade, and the classification obtained in every subject). Candidates holding foreign qualifications must prove the registration of the academic degree, under the terms of Decree-Law no. 341/2007, dated October 12th, or, when applicable, the equivalence/recognition of the academic degree, under the terms of Decree-Law no. 283/83, dated June 21st;

b) Curriculum Vitae;

c) Valid I.D. number;

d) Declaration, in the application form, that the candidate does not simultaneously benefit from any other fellowship for the same purpose or, if they do, proof that there is an agreement between the financing entities;

e) Any other document which the candidate considers relevant for the application evaluation.

Submission of applications: The applications can be delivered in person at ESTG-Leiria; sent by mail (registered letter with return receipt requested) to Escola Superior de Tecnologia e Gestão de Leiria, Campus 2, Morro do Lena – Alto do Vieiro, Apartado 4163, 2411-901 Leiria (until the applications deadline); or sent by e-mail to estg@estg.ipleiria.pt.

Notifications: Up to 10 working days after the selection, by e-mail with delivery receipt, or personal notification of the candidates. Following the procedure for awarding the fellowship, if the number of approved candidates is higher than the number of fellowships to be granted, an internal recruitment reserve is created, and can be used if the selected fellow withdraws, during the project's eligibility period.

Contract and final reports: Templates approved by the IPLeiria.

Information and publicity of the granted funding: According to article no. 30 of the Regulation of Scientific Research Grants of IPLeiria.

Applicable legislation and regulations: Research Fellowship Holder Statute, approved by Law no. 40/2004, dated August 18th, published in Series I-A of the *Diário da República* no.194, amended by Decree-law no. 202/2012, published in Series I of the *Diário da República* no.165, dated August 27th, Law no. 12/2013, published in Series I of the *Diário da República* no.20, dated January 29th, and Decree-law no. 89/2013, dated July 9th, published in Series I of the *Diário da República* no.130; FCT Regulation for Studentships and Fellowships (<https://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2018.pdf>);

Regulation of Scientific Research Grants of IPLeiria, Regulation no. 506/2017, published in Series II of the *Diário da República* no.187, dated September 27th.

Leiria, October 29th, 2018.

President of the Polytechnic Institute of Leiria
Rui Filipe Pinto Pedrosa

Cofinanciado por: