

The Polytechnic Institute of Leiria (IPLeiria), through its Technology and Management School (ESTG-Leiria), is accepting applications for a scientific research grant, in the following terms:

Project title: HapticControl – Development of a new generation of remotes for new forms of media consumption (co-promotion n^o 17941).

Project Coordinator: Pedro António Amado de Assunção.

Grant Coordinator: Hugo Filipe Costelha de Castro.

Grant scientific area: Electrical and Computer Engineer.

Grant Type: Scientific Initiation Grant (BIC).

Goals: Develop and haptics/tactile surface suitable for a remote control.

Object: Applied research with hardware and software development and integration for interactive multimedia systems.

Grant duration: 6 months, eventually renewable up to the end of the project, with expected start on April 2017.

Goals to be achieved by the candidate: Study different haptic/touch interfaces and underlying technologies. Experimental evaluation and comparative analysis on the performance of different haptics/touch interfaces. Development and construction of a prototype. Production of detailed documentation of the study and results obtained.

Recipients: Degree students in Computer and Electrical Engineering or related fields.

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

Work place: School of Technology and Management of Leiria (ESTG-Leiria).

Financing entity: Co-financed by FEDER – Fundo Europeu de Desenvolvimento Regional, within the Portugal 2020 Program, through COMPETE 2020 – Programa Operacional Competitividade e Internacionalização.

Grant financial components: Monthly maintenance allowance, of €385,00, per the Research Grants Regulations from FCT, I. P. (www.fct.pt/apoios/bolsas/valores) and the Scientific Research Grants regulations from IPLeiria.

Periodicity: Monthly.

Payment method: Check or bank transfer.

Activity mode: Exclusive, per the applicable legislation.

Applications evaluation: The applications evaluation is based on the curriculum analysis and interview, per the desired profile and the evaluation criteria.

Evaluation criteria: a) Academic Habilitation (HA): Quotient between the weighted sum, by ECTS, of the marks obtained in the curricular units with approval until the application date of submission, and the total course ECTS; b) Professional / Academic Experience (EPA): Experience in activities or technical projects with relevance to the project; c) Interview (E); with the final score (NF) = $[HA \cdot 0,4 + EPA \cdot 0,3 + E \cdot 0,3]$. If the jury decides through a reasoned decision to do without the interview: $NF = [HA \cdot 0,4 + PG \cdot 0,3 + EP \cdot 0,3]$. The evaluation and seriation criteria are part of the minute created by the jury, which can be consulted on request by the interested parties.

Jury: The jury in charge of the applications evaluation is constituted by Professors Doctors: Pedro António Amado de Assunção (president), Luís Manuel Conde Bento and Hugo Filipe Costelha de Castro (effective members); Lino Miguel Moreira Ferreira and Carla Alexandra Calado Lopes (substitute members).

Grant renewal: Per the 19th article from the Scientific Research Grants regulations from IPLeiria.

Applications deadline: 15 of February to 1 of March, 2017.

Formal application:

Through the application form, correctly filled and signed, available in www.ipleiria.pt, accompanied by the following documentation:

- a) Proof documents that the applicant gathers the required conditions for the type of grant, namely:
 - Documented proof of the academic habilitations required (with final average e each course grade);
 - Documented proof of the professional habilitations (including formations training actions, specializations courses, seminars, among others);
- b) Detailed Curriculum Vitae, dated and signed;
- c) Copy of the citizen's card or id and taxpayer card;
- d) Any document which the candidate considers relevant for the application.

Submission of applications: The applications can be delivered personally at ESTG-Leiria; or sent to the School of Technology and Management of Leiria, Campus 2, Morro do Lena – Alto do Vieiro, Apartado 4163, 2411-901 Leiria (in registered mail with reception notification, sent up to the specified deadline); or sent by e-mail to estg@estg.ipleiria.pt.

Disclosure of the results: Up to 5 working days after the selection ends, through an e-mail with reception receipt or personal notification of the candidates.

Grant contract model and final reports: Models approved by the IPLeiria.

Information and publicity scheme of the grant financing: Per the 22nd article of the Scientific Research Grants regulation of IPLeiria.

Applicable legislation and regulations: Statute of the Research Fellow, approved through Law n^o 40/2004, from August, 18th, published in I Serie-A of the DR n^o 194, with the changes introduced through the Law decree n^o 202/2012, published in the I Serie of the DR n^o 165, from August, 27, through Law n^o 12/2013, published in the I Serie of the DR n^o 20, from January, 29th, and the Law decree n^o 89/2013, from July, 9th, published in the I Serie of the DR n^o 130; Science and Technology Foundation I. P. Grants Regulation, currently in force (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>); Scientific Research Grants regulations from IPLeiria, Regulation n^o 39/2005, published in the II Series of the DR n^o 97, from May, 19th, with the changes introduced by the Dispatch n^o 3163/2009, published in the II Series of the DR n^o 16, from January, 23rd; Dispatch n^o 238/2011, published in the II Series of the DR n^o 3, from January, 5th, and Dispatch n^o 13700/2011, published in the II Series of the DR n^o 196, from October, 12th.

Leiria, February, 15th, 2017.

IPLeiria President
Nuno André Oliveira Mangas Pereira

Cofinanciado por: