CALL FOR APPLICATIONS

Job:

Job reference:	AE2018-0063 (SCREEN-DR - CBER)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Post-Doc Grants (BPD)
City:	Porto
Research field:	Main: COMPUTER SCIENCE
	Sub:

Job summary:

INESC TEC is accepting applications to award 1 Postdoctoral Grant .	
Project:	Image Analysis and Machine Learning Platform for Innovation in Diabetic Retinopathy Screening
Scientific Advisor:	Aurélio Campilho
Duration Grant:	from 2018-05-03 to 2019-05-02 (12) - Eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Image Analysis and Machine Learning web service for Screening Diabetic retinopathy

Project overview: This post-doctoral grant is integrated in the project SCREEN-DR- Image Analysis and Machine Learning Platform for Innovation in Diabetic Retinopathy Screening, a research initiative under the Carnegie Mellon University | Portugal program. The main goals of the project are to advance the Machine Learning Research for Detection and Grading of Diabetic Retinopathy (DR). The researcher will develop Image Analysis and Machine Learning web service client prototype for Screening Diabetic retinopathy.

Objectives: The objective of the grant is to develop a web service that allows remote procedure calls to image analysis programs developed for Image Quality detection; Image Normality Detection and Diabetic Retinopathy grading. An image client prototype, that uses the web service, should also be developed. The web service and the client prototype should be validated in a DR screening environment, in a pilot setting.

Academic Qualifications:	PhD Comp. Science or Inform. Engineering or Elec. and Comp. Eng.or Biomedical Eng.
Minimum Profile required:	The candidates need to demonstrate experience in image analysis or machine learning and general programming skills.
Preference factors:	As preference factors are experience in image analysis, machine learning and web programming together with general programming skills. Publication experience in conferences and journals.
Monthly Grant:	€1495,00 according to the Stipends values of the grants awarded directly by the FCT, paid by bank transfer. The grant holder can receive additional payments by participating in complementary contracts or projects that contribute to the work plan (Clauses 12 and 13 of INESC TEC Grants Regulation and Annex II), in accordance with paragraph 4 of article 5 of Research Grant Holder Statute, approved by Law n 40/2004, dated 18 August, up to a maximum of 50% of the monthly grant.

Project duration:	2016-04-01 a 2020-03-31
Funding Entity:	FCT (CMUP-ERI/TIC/0028/2014)

The grant contract shall be submitted to the legislation concerning the Research Grant Holder Statute , approved by Law n 40/2004, dated 18 August, amended and republished by Decree-Law No. 202/2012 of 27 August and amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of January 29, and Decree-Law No. 89/2013 of July 9 as well as by INESC TEC Grant Regulation , approved by FCT - Fundação para a Ciência e a Tecnologia (Science and Technology Foundation) in 12 January 2011 and FCT current Grant Regulation. Additional information about INESC TEC Grants Regulation and relating annexes may be found at www.inesctec.pt/grants

Selection Criteria: Curriculum evaluation based on the criteria referred to in Clause 7 INESC TEC Grants Regulation and will include individual interviews in the final stage of the selection process, with its valuation: 65% curriculum evaluation (25% CV, 20% scientific domains and 20% Expertise) and 35% interview. Only those candidates who obtain at least 70% in the curricular evaluation (CV + Scientific Domain + Experience) will be called for the interview.

Selection Jury:	President of the Jury: Prof. Aurélio Campilho;
	Permanent Member: Prof. António Cunha;
	Substitute Member: Prof. Ana Maria Mendonça;
Notification of results:	The results of the selection process will be disseminated to interested parties by mail, as referred to in Clause 8 of INESC TEC Grants Regulation.
Application period:	From 2018-04-05 to 2018-04-18
Application submission:	Fill in the electronic form in the section Work with Us at www.inesctec.pt, attaching the Curriculum Vitae, certificate of qualifications and other supporting documents relevant to the final assessment.

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