INESCTEC

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0307 (INESC TEC LA - CPES)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: COMPUTER SCIENCE,ENGINEERING,MATHEMATICS
	Sub: Informatics,Computer engineering,Applied mathematics

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC or Degree holders.	
Project:	INESC TEC - EEA/50014 (POCI-01-0145-FEDER-006961)
Scientific Advisor:	Ricardo Jorge Bessa
Duration Grant:	from 2018-01-01 to 2018-12-31 (12)
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Data Science

Project overview: The implementation of smart electrical networks requires the development of predictive algorithms capable of handling large volumes of data. The Grant Holder will work on the development of new forecasting algorithms for renewable energy (wind, solar), focusing on the application of deep learning techniques.

Objectives: Development and implementation of innovative forecasting algorithms with deep learning; Development of online learning techniques for big data. Dissemination of results in conferences and journals.

Academic Qualifications:	Bacharel or Master Degree in Electrical Eng/Informatics/Computer Science/Mathematics
Minimum Profile required:	Background on time series forecasting methods
	Fluency in English
	Good Python and R programming skills.
Preference factors:	- Background on statistics and artificial intelligence; - Experience with deep learning techniques; - Experience in the use of distributed computing;
Monthly Grant:	€745,00 (Degree) or 980,00 (MSC) 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:	-
Funding Entity:	ERDF - European Regional Development Fund through the Operational Programme for Competitiveness and Internationalisation - COMPETE 2020 Programme, and by National Funds (PIDDAC) through the FCT/MCTES within project POCI-01-0145-FEDER-006961.

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: 90% curriculum evaluation (40% CV, 30% scientific domains and 20% Expertise) and 10% 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. Ricardo Jorge Bessa;
	Permanent Member: Prof. Bernardo Silva;
	Substitute Member: Prof. Jorge Correia Pereira;
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 2017-11-21 to 2017-12-28
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.