

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0209 (INESC TEC LA - CEGI) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: ENGINEERING Sub: Industrial engineering

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC.	
Project:	INESC TEC - EEA/50014 (POCI-01-0145-FEDER-006961)
Scientific Advisor:	Luís Guimarães
Duration Grant:	from 2017-09-01 to 2017-12-31 (4) eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Asset Management
Project overview: With the increasing age of assets related to operational functions, asset management has become increasingly more relevant. There is a need to extract the most value from the assets before they are retired from their functions. This project is part of an ongoing endeavor to create an advanced data-based and conditional-monitoring maintenance system to optimize predictive maintenance policies and reduce future O&M costs and risks. The work will be developed in collaboration with companies of the utility sector.
Objectives: Definition and implementation of a methodology for the evaluation of the technical condition of assets; Definition and implementation of a methodology for the prognosis of the technical condition of assets; Design and implementation of a multi-criteria methodology to optimize maintenance actions taking into account costs and risks.

Academic Qualifications:	Integrated Master in Industrial Engineering and Management or similar
Minimum Profile required:	Knowledge in the following areas: Reliability, Markov Chains, Machine Learning, Multi-objective Optimization
Preference factors:	Previous experience in asset management projects
Monthly Grant:	€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 nº 40/2004, dated 18 August, up to a maximum of 50% of the monthly grant.

Project duration:	2015-01-01 a 2017-12-31
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 7º INESC TEC Grants Regulation and will include individual interviews in the final stage of the selection process, with its valuation: 70% curriculum evaluation (30% CV, 25% scientific domains and 15% Expertise) and 30% interview.
Selection Jury:	President of the Jury: Prof. Luís Guimarães; Permanent Member: Prof. Pedro Amorim; Substitute Member: Prof. Gonçalo Reis Figueira;
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 2017-08-08 to 2017-08-25
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.