

CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0079 (INFUSE - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: ENGINEERING,MATHEMATICS Sub: Electrical engineering,Applied mathematics,Electronic engineering

Job summary:

INESC TEC is accepting applications to award 2 Research Grant for MSC.	
Project:	INFUSE - Information fusion for state estimation under classical and distributed architectures
Scientific Advisor:	Vladimiro Miranda
Duration Grant:	from 2017-05-01 to 2018-04-30 (12) - Eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Applied Mathematics/Power Systems/Computing
Project overview:	This is a stimulating project that explores new ideas, combining Power Systems with Information Theory, Signal Processing and Computational Intelligence. The project has great potential to produce scientific breakthroughs, international publications, innovative prototypes and products for industry. The goal with this project is to explore new paradigms and architectures for state estimation using multiple sensors, under classical and distributed architectures.
Objectives:	Development of new models and software applications to be inserted in simulation tools and real world power system problem testing. Comparison between the classical algorithms and the new paradigm. Extensive software development envisaging the coupling of the new algorithms with a full DMS platform, including the possibility of testing with real network data. Writing of scientific papers.

Academic Qualifications:	Graduation or Master Degree in Applied Mathematics or Electrical Engineering/Powe...
Minimum Profile required:	Fluent in English (spoken and written), and knowledge in programming languages such as C/C++.
Preference factors:	Skills in applied mathematics and in programming environments; skills in Power Systems analysis tools. Past experience in power system state estimation. Past experience in sensor fusion.
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:	2016-04-01 a 2019-03-31
Funding Entity:	FCT (PTDC/EEI-EEL/5949/2014 (POCI-01-0145-FEDER-016731))
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: 60% curriculum evaluation (30% CV, 20% scientific domains and 10% Expertise) and 40% interview.
Selection Jury:	President of the Jury: Prof. Vladimiro Miranda; Permanent Member: Prof. Manuel Matos; Substitute Member: Prof. Ricardo Jorge Bessa;
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 2017-04-03 to 2017-04-22
Application submission:	Fill in the electronic form in the section Work with Us at www.inesctec.pt

