CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0277 (FEEdBACk - CPES)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Investigação (BI)
City:	Porto
Research field:	Main: ENGINEERING
	Sub: Computer engineering,Electrical engineering

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC .	
Project:	Fostering Energy Efficiency and BehAvioural Change through ICT
Scientific Advisor:	Filipe Joel Soares
Duration Grant:	from 2020-03-01 to 2020-08-31 (6) eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Machine learning algorithms for baselines definition

Project overview: O projeto FEEdBACk (Fostering Energy Efficiency and BehAvioural Change through ICT) tem como objetivo desenvolver, integrar e testar uma série de tecnologias de informação e comunicação focadas em mudanças comportamentais na área econômica, que vão ser usadas para usar os clientes e permitir que eles usem alteração de comportamento.

Objectives: The main responsibilities of the Grant Holder will be the following: Classification of data sets gathered from data measurements; Development of machine learning algorithms to define energy consumption and comfort baselines for residential buildings; Development of applications based on the data mining algorithms for residential buildings; Dissemination of results at conferences and scientific journals.

Academic Qualifications:	Master Degree in Computer Science, Informatics, Electrical Engineering, or equivalent.
Minimum Profile required:	Knowledge of data mining process and data-driven models
	Exp.energy consumption data analysis
	Exp.the application of machine learning techniques (matlab,python.)
	Fluency in English (spoken and written)
Preference factors:	Immediate availability Experience in forecasting electrical energy consumption time series Knowledge of concepts related with consumer engagement Fluency in Portuguese
Monthly Grant:	€ 989,70 (MSC) according to the Stipends values of the grants awarded directly by the FCT, paid by bank transfer. The grant holder may also benefit from additional incomes in the sequence of a quarterly evaluation process (Clauses 12 and 13 of INESC TEC Grants Regulation and Annex II), up to a maximum of 50% of the monthly grant.

Project duration:	2017-11-01 a 2020-10-31
Funding Entity:	CE

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 .	
Selection Jury:	President of the Jury: Prof. Filipe Joel Soares;
	Member: Prof. André Guimarães Madureira;
	Member: Prof. David Emanuel Rua;
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 2019-11-20 to 2020-01-31
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.