

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0248 (EMB3Rs - CPES)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Post-Doc Grants (BPD)
City:	Porto
Research field:	Main: ENGINEERING
	Sub: Electrical engineering, Computer engineering

Job summary:

INESC TEC is accepting applications to award 1 Postdoctoral Grant .	
Project:	User-driven Energy-Matching & Business prospection tool for industrial Excess heat/cold Reduction, Recovery and Redistribution
Scientific Advisor:	Ricardo Jorge Bessa
Duration Grant:	from 2020-01-01 to 2020-12-31 (12) eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Peer-to-Peer (P2P) market for excess heat and cold recovery
Project overview:	Current heating and cooling markets are monopolistic and centralised disregarding competition and trade of excess heat. Increasing energy efficiency is motivating the development of new business opportunities, like the P2P market addressed in EMB3Rs project. These approaches are able to promote on a local scale the competition in the supply and trade of excess heating. The goal is to design and develop P2P market approaches for the trade of excess heat and cold recovery at industrial and non-industrial level
Objectives:	The tasks to be performed involve the implementation and coordination of the EMB3Rs project and the scientific supervision and postgraduate training of junior researchers. Additionally, the researcher should participate in the design and development of innovative business models allowing the proper simulation of different entities involved in the system. Besides that, it should identify new opportunities and areas of expertise to explore.

Academic Qualifications:	Doctor degree in Electrical Engineering, Computer Science, Operations Research or similar
Minimum Profile required:	Knowledge on project management Advanced knowledge in energy markets Experience in the supervision of junior researchers
Preference factors:	Experience in the management of European projects Promotion of multidisciplinary team Advanced knowledge in electrical and thermal systems Knowledge in P2P techniques
Monthly Grant:	€ 1509,80 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:	2019-09-02 a 2022-09-01
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. Ricardo Jorge Bessa; Member: Prof. Filipe Joel Soares; Member: Prof. Manuel Matos;
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 2019-10-30 to 2019-11-30
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.