

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0353 (INESC TEC LA - CEGI)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Scientific Initiation Grants (BIC)
City:	Porto
Research field:	Main: ENGINEERING, INFORMATION SCIENCE
	Sub: Electronic engineering, Computer engineering

Job summary:

INESC TEC is accepting applications to award 1 Scientific Initiation Grant .

Project:	INESC TEC-UID/50014
Scientific Advisor:	Mário Amorim Lopes
Duration Grant:	from 2020-01-15 to 2021-01-14 (12) eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Power Systems

Project overview: The work objective is to design and develop an innovative blockchain-powered P2P energy market platform so that renewable energy producers, local communities and prosumers can buy and sell renewable energy from their peers by means of smart contracts. Distribution grid constraints and interactions with the main grid are innovative key aspects to be considered in this P2P platform.

Objectives: Design and development of a set of tools based on blockchain technology to support the implementation of the P2P energy trading platform. Existing tools and platforms will be evaluated to select the most appropriate one. Collaboration in writing of reports and scientific papers.

Academic Qualifications:	Students enrolled for the 1st time in 1st cycle of higher education or in a master's degree.
Minimum Profile required:	Knowledge of programming languages. Fluency in English. Study area: Master Degree in Electrical Engineering, Informatics, Computer Science or similar.
Preference factors:	Background in electric power systems. Experience in developing studies on the steady-state behaviour of electric power systems.
Monthly Grant:	€388,81 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:	- 2015-01-01 a 2017-12-31
Funding Entity:	Funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., in the scope of the project INESC TEC-UID/50014
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: 80% curriculum evaluation (40% CV, 20% scientific domains and 20% Expertise) and 20% 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. Mário Amorim Lopes; Member: Prof. José Villar; Member: Prof. Pedro Amorim;
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 2019-12-04 to 2019-12-17
Application submission:	Fill in the electronic form in the section Work with Us at www.inesctec.pt , attaching the Curriculum Vitae, copy of school enrollment and other supporting documents relevant to the final assessment.