

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0030 (Angerona - CRACS) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: COMPUTER SCIENCE Sub:

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for Degree holders .

Project:	Privacy preserving IOT middleware
Scientific Advisor:	Rolando Martins
Duration Grant:	from 2019-04-01 to 2019-08-15 (5) - Eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Consensus on the edge

Project overview: The creation of public ledger capable of supporting smart contracts for IoT. Specially this thesis will have to explore alternatives to PoW in order to achieve consensus for possibly dynamic networks.

Objectives: - Study the state-of-the-art blockchain and byzantine consensus - Measure performance of the selected approaches - Implement a public ledger capable of operating on the edge - Implement an SDK for future integration - 1 Scientific paper

Academic Qualifications:	Degree in Computer Science
Minimum Profile required:	Degree in Computer Science; Distributed systems discipline with a minimum of 15 values
Preference factors:	Demonstrated experience in projects with design and implementation of distributed systems.
Monthly Grant:	€745,00 (Degree) 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 n 40/2004, dated 18 August, up to a maximum of 50% of the monthly grant.

Project duration:	2018-09-01 a 2019-08-31
Funding Entity:	Financed with national funds by FCT - Portuguese Foundation for Science and Technology, I.P., in the scope of the project CMU/CS/0042/2017
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: 75% curriculum evaluation (30% CV, 25% scientific domains and 20% Expertise) and 25% 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. Ricardo Rocha; Member: Prof. Luís Filipe Antunes; Member: Prof. Rolando Martins;
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 2019-02-20 to 2019-03-06
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.

