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CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0350 (HADES - HASLAB)
	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:	HArdware-backed trusted and scalable DEcentralized Systems
Scientific Advisor:	Manuel Barbosa
Duration Grant:	from 2020-01-15 to 2020-07-14 (6) eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Analysis and Implementation of cryptographic protocols based on CRDTs

Project overview: HADES proposes a novel, more efficient, and scalable approach to building secure decentralized systems for society critical applications. Build on emerging new technology in trusted computing, including Intel SGX and ARM TrustZone. These technologies will allow honest clients to build a hardware-backed web of trust where new participants are only accepted if they can prove they are running a trusted software stack inside an isolated environment.

Objectives: The successful candidate will be integrated in tasks 3 and 4 of project HADES, contributing to the security analysis and implementation of decentralized processing protocols.

Academic Qualifications:	BSc in Computer Science, Informatics Engineering, or similar.
Minimum Profile required:	Experiência anterior em criptografia.
Preference factors:	Background in CRDTs.
Monthly Grant:	€752,38 (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:	2018-10-01 a 2021-09-30
Funding Entity:	Financed with national funds by FCT - Portuguese Foundation for Science and Technology, I.P.,in the scope of the project PTDC/CCI-INF/31698/2017

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: 85% curriculum evaluation (50% CV, 20% scientific domains and 15% Expertise) and 15% 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. Manuel Barbosa;
	Member: Prof. José Bacelar Almeida;
	Member: Prof. Alcino Cunha;
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, certificate of qualifications and other supporting documents relevant to the final assessment.

![Flag of Portugal]

Governo da República Portuguesa

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