CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0253 (ScalABLE4.0-1 - CESE)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Cincia
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: COMPUTER SCIENCE,ENGINEERING
	Sub: Industrial engineering,Systems engineering

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC.	
Project:	Scalable automation for flexible production systems
Scientific Advisor:	Samuel Moniz
Duration Grant:	from 2017-11-01 to 2018-10-30 (12) . The grant may be renewed for additional periods up to the maximum duration of the project or the duration of the grant for which the candidate was selected. It can also be renewed due to another project provided that it is entirely or partly related to the work area in the call and that it contributes to the ongoing training.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Development of a holistic simulation platform for designing and evaluating manufacturing systems

Project overview: Specification and development of an integrated new-generation simulation framework, which includes a web-based user interface, a discrete-event simulator, and an advanced GUI (based in 3D graphics) for modelling and optimizing manufacturing systems. The simulator will also explore functionalities not present in the solutions currently in the market, like virtual commissioning and advanced programming for distributed planning and scheduling decisions.

Objectives: This work will be framed in ScalABLE4.0 H2020 project that aims to implement simulation-optimization software applications, for supporting the decision-making process that goes from the design to the operation of manufacturing systems.

Academic Qualifications:	Bachelor / MSc degree in computer science or informatics engineering or electrical engineering.
Minimum Profile required:	Competencies in object-oriented programming and software architectures.
Preference factors:	Experience in JavaScript, C++ and OpenGL.
Monthly Grant:	€980,00 (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:	2017-01-01 a 2020-06-30
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 - Fundao para a Cincia 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: 70% curriculum evaluation (40% CV, 20% scientific domains and 10% Expertise) and 30% interview.

Selection Jury:	President of the Jury: Prof. Américo Azevedo;
	Permanent Member: Prof. Samuel Moniz;
	Substitute Member: Prof. Jorge Pinho de Sousa;
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 2017-10-03 to 2017-10-18
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.