

CALL FOR APPLICATIONS

Job:

Job reference:	AE2019-0320 (ZeroDefects40 - CESE) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Investigação (BI)
City:	Porto
Research field:	Main: ENGINEERING Sub: Computer engineering,Industrial engineering,Systems engineering

Job summary:

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

Project:	Advanced decision making for zero defects manufacturing
Scientific Advisor:	António Henrique Almeida
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: IoT platform for manufacturing.

Project overview: Industry 4.0 is characterized by the digitization of production processes through intelligent sensing and monitoring of production systems and making this information available at all levels of the organization. Thus, the IoT platform will play an important role in channeling sensor data to product defect prediction models and the decision support system to assist in adjusting process variables and minimizing systems product defects.

Objectives: Contribute to the development of a generic and scalable IIoT platform capable of integrating any type of information systems and devices, as well as integrating with big data tools for batch or streaming data analysis.

Academic Qualifications:	Master in Computer Engineering or Electric and Computer Engineering
Minimum Profile required:	Skills in systems integration and software architectures, as well as object oriented programming.
Preference factors:	Knowledge and experience in industrial automation programming and construction of IIoT platforms, as well as basic knowledge on optimization and support decision systems.
Monthly Grant:	€ 989,70 (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: 2020-01-01 a 2020-12-31

Funding Entity:

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: 71% curriculum evaluation (30% CV, 25% scientific domains and 16% Expertise) and 30% interview .

Selection Jury: President of the Jury: Prof. António Henrique Almeida;
Member: Prof. António Lucas Soares;
Member: Prof. Alexandra Sofia Marques;

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 2019-11-19 to 2019-12-02

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.