

## CALL FOR APPLICATIONS

### Job:

<b>Job reference:</b>	AE2019-0321 ( INESC TEC LA - CESE) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
<b>Position:</b>	Pós-Doutoramento (BPD)
<b>City:</b>	Porto
<b>Research field:</b>	Main: ENGINEERING Sub: Industrial engineering

### Job summary:

**INESC TEC is accepting applications to award 1 Postdoctoral Grant .**

<b>Project:</b>	INESC TEC-UID/EEA/50014
<b>Scientific Advisor:</b>	José Soeiro Ferreira
<b>Duration Grant:</b>	from 2020-01-01 to 2020-12-31 ( 12) eventually renewable.
<b>Location:</b>	INESC TEC, Porto, Portugal

### Job description:

**Work Area:** Decision Support; Operational Research; Systems Optimisation; Systems Simulation.

**Project overview:** Assembly Systems and Production Lines are common in many industries. The context of the job will include: Development of research activities in ongoing projects in the management of new production systems: design, conception, and development of advanced management and optimization solutions, namely for the simulation/optimization of balancing and sequencing of Assembly Systems; Participation in consulting projects; Contribution to the preparation of research proposals for EU bids.

**Objectives:** Collaboration in ongoing consulting projects, namely related to the Footwear and Cork Industries. Production of scientific knowledge in the areas of work; Conception of optimization models for production, balancing and sequencing problems; Development of solutions based on Advanced Optimization and Simulation Methods; Publication of papers.

<b>Academic Qualifications:</b>	PhD in Engineering and Industrial Management or in equivalent areas
<b>Minimum Profile required:</b>	- Strong knowledge in in the above mentioned scientific areas of work. - Solid knowledge of object-oriented programming languages. - Proficiency in English and Portuguese
<b>Preference factors:</b>	- Experience in dealing with Balancing and Sequencing of Production Systems. - Experience in writing scientific articles. - Strong ability for teamwork.
<b>Monthly Grant:</b>	€ 1509,80 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.

<b>Project duration:</b>	- 2015-01-01 a 2017-12-31
<b>Funding Entity:</b>	Funded by National Funds through FCT - Portuguese Foundation for Science and Technology, I.P., in the scope of the project INESC TEC-UID/EEA/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 <a href="#">INESC TEC Grants Regulation</a> and relating annexes may be found at <a href="http://www.inesctec.pt/grants">www.inesctec.pt/grants</a>	

**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 ( 35% CV, 25% 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. José Soeiro Ferreira;  
Member: Prof. António Lucas Soares;  
Member: Prof. Américo Azevedo;

**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 2019-12-02 to 2019-12-13

**Application submission:** Fill in the electronic form in the section [Work with Us](#) at [www.inesctec.pt](http://www.inesctec.pt) , attaching the Curriculum Vitae, certificate of qualifications and other supporting documents relevant to the final assessment.