

## CALL FOR APPLICATIONS

### Job:

<b>Job reference:</b>	AE2019-0222 (FAST-manufacturing - LIAAD) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
<b>Position:</b>	Research Grants (BI)
<b>City:</b>	Porto
<b>Research field:</b>	Main: COMPUTER SCIENCE Sub: Modelling tools, Programming, Informatics

### Job summary:

<b>INESC TEC is accepting applications to award 1 Research Grant for Degree holders .</b>	
<b>Project:</b>	Flexible And sustainable manufacturing
<b>Scientific Advisor:</b>	Dalila Fontes
<b>Duration Grant:</b>	from 2019-11-15 to 2020-11-14 (12) - Eventually renewable until the project conclusion or budget.
<b>Location:</b>	INESC TEC, Porto, Portugal

### Job description:

<b>Work Area:</b>	Computer Science - Operational research
<b>Project overview:</b>	Addressing scheduling problems in flexible manufacturing systems and/or in environmentally responsible manufacturing systems. Since many issues arise within these problems, a cumulative integration approach is intended. Computational implementation of solution approaches, namely (meta)heuristics for these problems. Computational evaluation of the algorithms performance resorting to benchmark instances and/or test cases from manufacturing systems.
<b>Objectives:</b>	1. Implementation of (meta)heuristic algorithms, 2. Computational evaluation of the algorithms' performance 3. Numerical analysis of the computational results.

<b>Academic Qualifications:</b>	Degree in Engineering, Computer Science, or similar
<b>Minimum Profile required:</b>	Good Programming skills Experience with development and implementation of algorithms English knowledge
<b>Preference factors:</b>	Knowledge of Operational Research techniques, in particular (meta)heuristics Fluency in written and spoken English, Good communication skills.
<b>Monthly Grant:</b>	€752,38 (Degree) 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>	2018-07-01 a 2021-06-30
<b>Funding Entity:</b>	Funded by FEDER through the Operational Programme for Competitiveness and Internationalisation - COMPETE 2020 Programme, and by National Funds through the FCT - Portuguese Foundation for Science and Technology, I.P., within project PTDC/EGE-OGE/31821/2017 (POCI-01-0145-FEDER-031821) . 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>

<b>Selection Criteria:</b>	Curriculum evaluation based on the criteria referred to in Clause 7 <a href="#">INESC TEC Grants Regulation</a> and will include individual interviews in the final stage of the selection process, with its valuation: 80% curriculum evaluation (50% CV, 20% scientific domains and 10% 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.
<b>Selection Jury:</b>	President of the Jury: Prof. Dalila Fontes; Member: Prof. Mahdi Homayouni; Member: Prof. Fernando Fontes;
<b>Notification of results:</b>	The results of the selection process will be disseminated to interested parties by mail, as referred to in Clause 8 of <a href="#">INESC TEC Grants Regulation</a> .
<b>Application period:</b>	From 2019-10-08 to 2019-10-25
<b>Application submission:</b>	Fill in the electronic form in the section <a href="#">Work with Us</a> at <a href="http://www.inesctec.pt">www.inesctec.pt</a> , attaching the Curriculum Vitae, certificate of qualifications and other supporting documents relevant to the final assessment.