

CALL FOR APPLICATIONS

Job:

Job reference:	AE2018-0121 (SiuSMS - CEGI) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Research Grants (BI)
City:	Porto
Research field:	Main: ENGINEERING Sub: Industrial engineering

Job summary:

INESC TEC is accepting applications to award 1 Research Grant for MSC .	
Project:	Smart (inter)urban shared mobility systems: integrating pricing and fleet management for a sustainable mobility planning future
Scientific Advisor:	Maria Antónia Carravilla
Duration Grant:	from 2018-07-27 to 2019-07-26 (12) eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Quantitative methods for decision support and Operations Research
Project overview:	The candidate will conduct research on shared mobility systems and quantitative methods for decision support in this scope. New approaches will be developed to tackle fleet management and pricing problems under uncertainty, namely mathematical models, meta- and matheuristics. There will also be a focus on demand and user behaviour modelling, and simulation and scenario-based tools to deal with uncertainty. This is a collaborative position and thus the candidate will be working with other researchers.
Objectives:	Develop new models and methods, namely mathematical models, heuristics and hybrid methods, to solve problems related with shared mobility systems. The candidate is expected to excel in the dissemination of the results through the publication of scientific papers in international journals and conferences.

Academic Qualifications:	MSc Industrial Engineering and Management, Operational Research, or similar areas.
Minimum Profile required:	Scientific expertise, namely in operational research. Experience with applied problems. High autonomy. Fluency in object-oriented programming languages as C++. Proficiency in communication in English.
Preference factors:	Published papers and work developed in the area of research and/or the application area. Experience with mathematical programming. Good communication skills. Fluency in English, written and spoken.
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 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:	2018-01-01 a 2020-12-31
Funding Entity:	ERDF - European Regional Development Fund through the Operational Programme for Competitiveness and Internationalisation - COMPETE 2020 Programme, and by National Funds (PIDDAC) through the FCT/MCTES within project POCI-01-0145-FEDER-029279 .
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: 60% curriculum evaluation (45% CV, 10% scientific domains and 5% Expertise) and 40% 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. Maria Antónia Carravilla; Permanent Member: Prof. José Fernando Oliveira; Substitute Member: Prof. Bernardo Almada-Lobo;
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 2018-06-13 to 2018-07-15
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.