CALL FOR APPLICATIONS

Job:

Job reference:	AE2017-0212 (mKEP - CEGI)
	INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Position:	Post-Doc Grants (BPD)
City:	Porto
Research field:	Main: ENGINEERING
	Sub: Industrial engineering

Job summary:

INESC TEC is accepting applications to award 1 Postdoctoral Grant

Project:	mKEP - Models and optimisation algorithms for multicountry kidney exchange programs
Scientific Advisor:	Ana Viana
Duration Grant:	from 2017-09-20 to 2018-09-19 (12) - Eventually renewable until the project conclusion or budget.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area: Optimisation

Project overview: The goal of this project is to study new mathematical models and effective optimization algorithms for the transnational Kidney Exchange Problem. Static and dynamic versions of the problem will be studied, taking into consideration approaches with single and multiple optimisation criteria. Additional information on the problem is available from http://www.inescn.pt/~aviana/mKEPcall/mKEP/mKEP.html

Objectives: The grant holder working on this project will help define and implement new models and algorithms for the problem mentioned above, and acquire and process data that are relevant to the study.

Academic Qualifications:	PhD in Computers, Industrial or Systems Engineering, Operational Research, or similar area.
Minimum Profile required:	Knowledge in Combinatorial Optimisation. Experience in Programming. Proficiency in English.
Preference factors:	Solid training in Combinatorial Optimisation and experience in modelling languages for Mathematical and C/C++ Programming.
Monthly Grant:	€1495,00 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 nº 40/2004, dated 18 August, up to a maximum of 50% of the monthly grant.

Project duration:	2016-04-01 a 2019-03-31
Funding Entity:	FCT (PTDC/IIMGES/2830/2014 (POCI-01-0145-FEDER-016677))

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 7º INESC TEC Grants Regulation and will include individual interviews in the final stage of the selection process, with its valuation: 80% curriculum evaluation (40% CV, 20% scientific domains and 20% Expertise) and 20% interview.

Selection Jury:	President of the Jury: Prof. Ana Viana;
	Permanent Member: Prof. João Pedro Pedroso;
	Substitute Member: Prof. Xenia Klimentova;
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 2017-08-08 to 2017-09-08
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.

Governo da República Portuguesa

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