

CALL FOR APPLICATIONS

Job:

Job reference:	AE2014-0007 (WholeChain - UGEI) INESC Porto - Instituto de Engenharia de Sistemas e Computadores do Porto
Position:	Post-Doc Grants (BPD)
City:	Porto
Research field:	Main: INDUSTRIAL MANAGEMENT Sub: Transports and Logistics

Job summary:

INESC PORTO is accepting applications to award 1 Postdoctoral Grant

Project:	0
Scientific Advisor:	Bernardo Almada Lobo
Duration Grant:	from 2014-03-01 to 2015-02-28 (12) - Eventually renewable until the project conclusion or budget.
Location:	INESC Porto, Porto, Portugal

Job description:

Work Area:

Industrial Engineering and Management, Operations Research, Supply Chain Management, Computer Science.

Project overview:

The responsibilities include conducting research on the supply chain management of perishable goods and working on projects with an impact for the remaining research/development team (<http://paginas.fe.up.pt/~pamorim/WholeChain.htm>). This is a collaborative work that will involve teams with other researchers/scientists, executives, consultants, software engineers, clients and others.

Objectives:

Study the dilemma of having different goals for production planning and distribution of perishable goods, incorporating risk as a criterion, and developing solutions using an integrated planning procedure. Both problems are computationally demanding. It is necessary to have procedures capable of finding satisfactory solutions to these complex problems in reduced computational times. In order to develop a solution method for the integrated procedure, it is necessary to create new concepts incorporating ideas of exact, heuristic and metaheuristic algorithms. These methods will be tested in artificial instances, using real data, and the expected cost savings and the higher performance of the generated plans will be compared to real plans.

Academic Qualifications:	PhD in Industrial Engineering and Management, Operations Research, Computer Science or related field.
Minimum Profile required:	Candidates should have a potential/proven exceptional performance at a scientific level, a broad knowledge in operational research (mathematical programming), experience in solving applied problems and excellent communication/collaboration skills. Candidates are expected to be interested in solving a vast range of problems, and to be important members in multidisciplinary research/development projects.
Preference factors:	Fluency in programming languages such as object oriented C++ and field concepts related to the management of the supply chain.
Monthly Grant:	€1495, 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 Porto 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:	2014-03-01 to 2015-02-28
Funding Entity:	FCT (EXPL/EMS-GIN/1930/2013(FCOMP-01-0124-FEDER-041499))
Type of Grant:	Post-Doc Grants (BPD)
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 Porto Grant Regulation, approved by FCT - Fundação para a Ciência e a Tecnologia (Science and Technology Foundation) in 12 January 2011 and FCT Grant Regulation 2013. Additional information about INESC Porto Grants Regulation and relating annexes may be found at www2.inescporto.pt/grants	

Selection Criteria:	Curriculum evaluation based on the criteria referred to in Clause 7° INESC Porto Grants Regulation and will include individual interviews in the final stage of the selection process, with its valuation: 85% curriculum evaluation (40% CV, 25% scientific domains and 20% Expertise) and 15% interview.
Selection Jury:	President of the Jury: Prof. Bernardo Almada Lobo; Permanent Member: Prof. Pedro Amorim; Substitute Member: Prof. Luís Guimarães;
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 Porto Grants Regulation .
Application period:	From 2014-02-04 to 2014-02-21
Application submission:	Fill in the electronic form in the section Work with Us at www.inescporto.pt