



CALL FOR AWARDING RESEARCH FELLOWSHIPS WITHIN PROJECT GRANTS AND R&D INSTITUTIONS

One Post-Doctoral Research Fellowships

One Fellowship(s) Post-Doctoral Research Fellowships is(are) open at the **Fundação da Faculdade de Ciências da Universidade de Lisboa, F.P. (FFCUL)**, for the project/R&D institution, "Modelação de problemas de roteamento e escalonamento", "PTDC/MAT-NAN/2196/2014", financed by national funds by FCT / MCTES (PIDDAC) under the Programme in All Scientific Domains, under the following conditions:

1. **Scientific Area:** MATHEMATICAL SCIENCES, Operations Research.
2. **Requirements for admission:** Qualification certificate - PhD certificate. Good verbal and written communication skills in English.
3. **Selection preferences:** Mathematical Programming skills for modeling and solving routing problems. Experience in using CPLEX and cutting plane methods.
4. **Work plan:** Study of Integer Linear Programming Models for node vehicle routing problems: Topics include models for the traveling salesman problem, problems with several depots, additional constraints such as capacities, maximum distance and time windows, problems involving electric vehicles, the traveling purchaser problem and variants and routing in fishery research.
5. **Legislation:** A fellowship contract will be celebrated according to the regulations defined by FCT "Regulations for Advanced Training and Qualification of Human Resources", in accordance with Law 40/2004, of 18 August, as amended and republished by Decree-Law No. 202/2012 of 27 August, and as 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 9 July; And also by the FCT, I.P. Fellowships Regulation, in force (<http://www.fct.pt/apoios/bolsas/docs/RegulamentoBolsasFCT2015.pdf>) and FFCUL's Fellowship Regulation, as approved on 22nd December 2014.
6. **Place of work:** The work will be developed at CMAF-CIO - Centro de Matemática, Aplicações Fundamentais e Investigação Operacional, na Faculdade de Ciências da Universidade de Lisboa under the scientific guidance of Professor LUÍS EDUARDO NEVES GOUVEIA.
7. **Fellowship duration:** This position is initially opened for 6 months and will begin on February, 2017. The fellowship contract may be renewed to more 6 months or until the end of the project, in accordance with the provisions of Regulation of Research Fellowships from the Foundation for Science and Technology, I.P.
8. **Monthly allowance:** The fellowship amounts to € 1 495,00, according to table values of the fellowships awarded directly by the FCT, IP. (<http://www.fct.pt/apoios/bolsas/valores>). The fellowship holder will have a personal accident insurance and, if not covered by any social protection scheme can ensure the right to social security through adherence to the voluntary social insurance scheme, pursuant to Código dos Regimes Contributivos do Sistema Previdencial de Segurança Social. The fellowship will be paid monthly by bank transfer.
9. **Evaluation:** Candidates will be assessed by the quality of their:
 - Curriculum vitae (60%)
 - Quality of research proposal (20%)
 - Matching of the proposal with host research activity (20%).

During the selection procedure, candidates may be asked to be interviewed (possibly via conference call).



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10. Selection Committee:

- LUÍS EDUARDO NEVES GOUVEIA (President)
- ANA MARIA DUARTE SILVA ALVES PAIAS (Member)
- MARTA GUERREIRO DUARTE MESQUITA DE OLIVEIRA (Member)
- Substitute Member: MARIA CÂNDIDA VERGUEIRO MONTEIRO CIDADE MOURÃO

11. Publication/notification of results: The final results of the evaluation will become public, through ordered list final grade obtained which will be posted at the entrance hall of the FFCUL, located at the Faculdade de Ciências da Universidade de Lisboa, C1 bldg – 3rd floor, Campo Grande, 1749-016 Lisboa, and the selected candidate will be notified by e-mail.

12. Deadlines: This call for applications is open from 3rd January of 2016 to 16th January of 2017.

13. Application: Applications may be sent via web http://ciencias.ulisboa.pt/candidatura_bolsa?id=37, by attaching the following documents: Curriculum vitae, Project Proposal and Qualification certificate.