

Research Grant

Candidates with a Licentiate Degree (BI-L)

Project: MAS-G2: Multi-Agent Simulation of Global Governance
Project EXPL/EEI-SII/2556/2013

INESC-ID Instituto de Engenharia de Sistemas e Computadores, Investigação e Desenvolvimento em Lisboa, Portugal is one of the largest and most dynamic research institutes in Portugal in the areas of communication and information technologies. Two research grants (BI-L "Bolsas para Licenciado") are now available in the project MAS-G2: Multi-Agent Simulation of Global Governance (EXPL/EEI-SII/2556/2013) funded by FCT/MEC through national funds (PIDDAC), under the following conditions:

Duration

6 months from 20/05/2014. The grant may be renewed within the period of the project, not exceeding the maximum period set by FCT for such grants. Renewal is subject to suitable performance.

Legislation

A fellowship contract will be celebrated according to "Regulations for Research Grants of the Foundation for Science and Technology, IP -2013" (www.fct.pt/apoios/bolsas/regulamento.phtml.pt), the INESC ID Grant regulations approved by FCT, Lei nº 40/2004 de 18 de Agosto (Status of Scientific Research Fellow), and the law "Decreto-Lei n.º 202/2012 de 27 de Agosto" and amended by "Decreto-Lei nº 233/2012, de 29 de Outubro" and by the "Lei nº 12/2013, de 29 de Janeiro and by "Decreto-Lei n.º 89/2013, de 9 de Julho."

Monthly amount

The monthly amount of the grant (745 euros) is in accordance with the values stipulated in the "Regulations for Advanced Training and Qualification of Human Resources" of FCT and INESC-ID Lisboa grant regulations approved by FCT, and shall be rendered payable via bank transfer to an account held by the grantee.

Objectives / Summary

This project will focus on problems in which individual goals collide with collective endeavors. Such conflicts occur at all scales and levels of complexity. From the very origin of multi-cellularity, to human social behavior and policy-making, many of these phenomena, rely on a proper formulation and understanding of conflict, competition and self-organization. These topics will be addressed by means of computational models resorting to a broad range of tools common to research in complex systems, such as game theory, complex networks, agent-based simulations, dynamical systems and artificial intelligence.

Scientific supervision

The activity will be supervised by Francisco C. Santos (Assistant Professor, IST/UL), researcher at INESC-ID, and Jorge M. Pacheco (Full Professor, Universidade do Minho). The grantee will be integrated at INESC-ID Lisbon (Taguspark) in the group GAIPS.

Required education Level and research experience.

The candidate should have at least a BSc (or equivalent) in any scientific area.

Evaluation criteria

- i) (40%) Academic record of the candidate;
- ii) (40%) Research experience and interest for the following areas of research: *Modelling and Simulation, Complex Systems, Game Theory, Complex Networks, Dynamical Systems and Experimental Economics.*
- iii) (20%) English language level.

The candidates may be subject to an interview, and the jury may decide to offer or not the fellowships depending on the applicants CV and performance. For interviewed candidates, the interview will count for 50% of the evaluation of each criteria above.

The Jury may also decide not to assign the scholarship, if none of candidates meets the required conditions.

The jury will convene in **19-05-2014** and is composed by

Name	Institution
Francisco João Duarte Cordeiro Correia dos Santos	IST, Universidade de Lisboa
Jorge Manuel dos Santos Pacheco	Universidade do Minho
Ana Maria Severino de Almeida e Paiva	IST, Universidade de Lisboa

Results

The final evaluation results will be publicized through an ordered list, and the candidates will be notified of the Jury decision by email.

Documents to be submitted

Detailed curriculum vitae; motivation letter; copy of academic study certificates; name of two personal references.

Application Dates: From **05/05/2014** to **16/05/2014**.

For further information and proposal submission, please contact:

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