

ANNOUNCEMENT OF RESEARCH GRANTS COMPETITION WITHIN THE SCOPE OF PROJECTS AND INSTITUTIONS OF R&D

Title: 2 Research Grants in the area of Mathematical Finance

Applications are open for two research grants in Mathematical Finance within the scope of I&D project **Stochastic Analysis and Numerical Approximations in Mathematical Finance (SANAF)**, project developed by Instituto Superior Técnico Technical University of Lisbon (IST/UTL) in partnership with Instituto Superior de Economia e Gestão Technical University of Lisbon (ISEG/UTL), University of Azores (UAzores), Carnegie Mellon University (CMU) and University of Texas at Austin (UTA). The project is financed by national funds through Fundação para a Ciência e Tecnologia (FCT) according to the Austin – Portugal e Carnegie Mellon – Portugal programs, grant UTA_CMU/MAT/0006/2009.

Scientific area: Mathematical Finance

Admission conditions: The candidates must have a bachelor degree (“licenciatura”). Preference will be given to those enrolled in master programs related to the scientific area of the grants.

Plan of work: Candidates are supposed to provide research assistance in the topic “Interest Rate, Credit Risk and Other Term Structure Models” that has been developed by CEMAPRE/ISEG within the scope of the above mentioned project. They are expected to develop research studies about “interest rate term structures”, “credit spread term structures”, “futures versus forward price term structures” or “implied volatility term structures”.

Legislation and applicable regulation: Lei N.º. 40/2004, de 18 de Agosto (Estatuto do Bolseiro de Investigação Científica); Regulamento da Formação Avançada e Qualificação de Recursos Humanos 2010.

Workstation: The candidates will be based at CEMAPRE/ISEG, under the supervision of Dr. Raquel M. Gaspar.

Duration of the Grants: The position is for 6 month, starting in January 2013, with the possibility of extension for another 6 months, upon mutual agreement and budget approval.

Monthly grant value: the grant value is of €745 per month, according to the grant value for R&D fixed by FCT (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>). Payments will be made by CEMAPRE by bank transfer.

Selection criteria: The methods of selection are the following ones: (i) curricular evaluation, (ii) evaluation of the letter of candidacy and proof of knowledge adjusted to the plan of works. Each method is evaluated in a scale of 0 the 20 points and a weight of 50% in the final evaluation.

Composition of the Jury:

President: CLÁUDIA PHILIPPARD NUNES, IST, Technical University of Lisbon

Members: RAQUEL MEDEIROS GASPAR, ISEG, Technical University of Lisbon

MANUEL CIDRAES CASTRO GUERRA, ISEG, Technical University of Lisbon

Form of announcement/notification of the results: The final results of the evaluation will be published on visible and public place at CEMAPRE. Candidates will be ranked according to their final evaluation. Selected candidates will be notified by letter and email.

Applications' period and form: Applications are open from the 1st to the 17th of December 2012.

Applications should be formalized, by a letter of candidacy sent together with the following documents: detailed Curriculum Vitae and certificates.

Applications must be presented to CEMAPRE either by hand during office hours (10-13h and 14-18h), or by regular mail sent to the address:

CEMAPRE
Projeto SANAF
Rua do Quelhas 6
1200-781 Lisboa
Portugal