



**BL210/2011**

## **Research Grant (post-doctoral)**

**PTDC/CTE-SPA/110909/2009**

A research grant of type BPD is now open in the framework of project ANIMAR - Automated annotation of images from the surface of Mars, financed by Fundação para a Ciência e a Tecnologia (FCT), under the following conditions:

### **1. Activity duration:**

One year starting from July 2011, under an exclusivity contract according to the FCT “*Regulations for Advanced Training and Qualification of Human Resources*” (<http://www.fct.mctes.pt/pt/apoios/formacao/ambitoprojectos>) and IST grant regulations, with the possible extension for an equal period of time.

### **2. Objectives and summary:**

The objectives of the work consist in the development of algorithms for the analysis of images from the surface of Mars and the detection and classification of structures: craters, dunes, dust devil tracks and polygons.

### **3. Scientific supervision:**

This work will be done at IST, Lisbon, under the supervision of profs. Pedro Pina and Jorge S. Marques, researchers at CERENA and ISR.

### **4. Qualifications and required educational level:**

The required educational level complies with the specified by FCT for post-doctoral grants. The applicant should have a doctoral degree, preferably within the last 5 years, in the areas of Engineering, Mathematics or similar with significant research work and publications in image analysis, pattern recognition and content based image retrieval.

### **5. Evaluation criteria:**

Selection and ranking will be made according to the following criteria: 1) Ph.D. degree in Image Analysis and Pattern Recognition (25%); 2) publication record in top image analysis journals (25%); 3) publication record in top scientific conferences (25%); 4) global evaluation by the jury and research experience in content based image retrieval (25%). Candidates must fulfill the conditions to start the grant, in particular non-nationals must have a residence authorization at the time of proposal submission.

### **6. Salary:**

According to the values stipulated by FCT “*Regulations for Advanced Training and Qualification of Human Resources*”.

### **7. Documents:**

Detailed curriculum vitae including degrees and list of scientific publications; motivation letter and copy of academic certificates.

### **8. Application dates:**

Applications should be sent by email from 23<sup>rd</sup> May to 07<sup>th</sup> June 2011.

Further information and proposal submission: Jorge S. Marques, email: [jsm@isr.ist.utl.pt](mailto:jsm@isr.ist.utl.pt), tel: +351-218418297.



União Europeia - FSE/FEDER

**Ciência, Inovação  
2010**

Programa Operacional Ciência e Inovação 2010  
MINISTÉRIO DA CIÊNCIA, TECNOLOGIA E ENSINO SUPERIOR



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