

(BL 090/2012)

## POSITION TO GRANT STOCK UNDER PROJECT AND INSTITUTIONS R & D

**Title:** Research Fellowship in Geomorphology and Paleoseismology for post-doctoral (1 job)

A postdoctoral position is open at ICIST-IST (Institute for Structural Engineering, Territory and Construction – Instituto Superior Técnico) under the framework of the project FINDER - Fault INvestigation with LiDAR for Earthquake Reassessment, PTDC/CTE-GIX/113866/2009, funded by the Portuguese National Foundation for Science and Technology (FCT/MCTES), under the following conditions:

**Scientific Area:** Geomorphology and Paleoseismology.

**Admission requirements:** The candidate should have a PhD in the general area of active tectonics to include other related earth-science disciplines at the time of appointment. The applicant must demonstrate a capacity for conducting fieldwork and trench excavations. Specific areas of expertise might include, but are not limited to, paleoseismology, field or modeling-based basin analysis, or continental-margin dynamics and morphology. Knowledge on LiDAR, ArcGIS, and GMT are preferred but not required. A CV, list of publications, statement of research interests, and three reference names with corresponding email address (for letter of recommendation) must be submitted on or before the deadline.

### **Work plan:**

- The research, which includes conducting field trips on the Lower Tagus basin and river delta, will focus on interaction of tectonics, geomorphology, and fluvial & coastal processes within in a densely populated landscape.
- The postdoctoral researcher will undertake field mapping, aerial photo analysis, morphometric measurements, LiDAR data processing and analysis, and trench excavations on varying weather and ground conditions. Must be able to carry 10kgs field gears and walk on uneven terrains.
- Present and publish results on national or international venue(s).

**Legislation and regulations:** Law no. 40/2004, dated August 18 (Status of Scientific Research Fellow) Regulation of Advanced Training and Qualification of Human Resources in 2010. Workplace: The work will be developed at the Laboratory of Seismology of Instituto Superior Técnico, under the scientific coordination of Dr. Glenda M. Besana-Ostman

**Length (s) grant (s):** The grant will run for twelve (12) months and will begin on 1 August 2012, but is negotiable.

**Value of monthly maintenance allowance:** The amount of the grant corresponds to one thousand four hundred ninety-five euros (€ 1495), according to the table of values of the scholarships awarded directly by the FCT, IP in the country (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>).

**Selection methods:** The methods of selection shall be as follows:

- Professional experience (recommendation letters; 30% valuation)
- Evaluation of the curriculum vitae (work history; 30% valuation)
- Publications (15% valuation)
- Statement of research interests (15% valuation)

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- Letter of application (10% valuation)

**Composition of the Jury Selection:**

Professor Jorge de Brito (President)

Professor João Fonseca (Department Head/Coordinator)

Dr. Glenda Besana-Ostman (Project Leader)

Dr. Susana Vilanova (Alternate)

Dr. Sandra Heleno (Alternate)

**Form of disclosure / notification of results:** The final evaluation results will be publicized through the ordered list obtained by the final grade posted in a conspicuous and public Human Resources Department of Instituto Superior Técnico, being the applicant (a) approved and notified via email.

**Application deadline and forms for submission of applications:** The position is open from April 1, 2012 to June 30, 2012.

**Applications must be formalized, necessarily, by sending a letter of application with the following documents:** Curriculum vitae, statement of research interests, three letters of recommendation or names and email addresses of three former supervisors who are willing to write a recommendation letter, list of publications and other supporting documents deemed relevant. If the required documents are not submitted your application may be considered incomplete.

**Applications should be sent to the following email addresses:**

[glenda.besana-ostman@ist.utl.pt](mailto:glenda.besana-ostman@ist.utl.pt) and [patricia.pinheiro@ist.utl.pt](mailto:patricia.pinheiro@ist.utl.pt).

Note: Once the application is received, an acknowledgment email that your submission was successful will be sent to you. If further evaluation or interviews are required you will be contacted. This position is located in Lisbon, Portugal. Relocation expenses are not authorized.