



**HERCULES Laboratory
Master Fellowship
(16BI/APOLLO/2014)**

A call is currently open for two Master fellowship under the project “**IMAGOS – Inovative Methodologies in Archaeology, Archaeometry and Geophysics – Optimizing Strategies X APOLLO - Archaeological and Physical On-site Laboratory – Lifting Outputs**”, operation n.º **ALENT-07-0224-FEDER-001760**, financed by Program INALENTEJO – Regulamento Específico Sistema de Apoio à Entidades do Sistema Científico e Tecnológico Nacional, by FEDER - Fundo Europeu de Desenvolvimento Regional, the following conditions:

Scientific area: Electronics Engineering

Admission Requirements: master’s degree in Electronics Engineering with experience in Data acquisition systems; instrumentation, FPGA, sensors technology.

The investigator must show interest to hire and ability to integrate multidisciplinary teams with scientists from the fields of Electronics, Physics, and conservation and restoration.

Work plan: Development of acquisition systems for electrical and ultrasonic tomography applied to the evaluating the state of degradation of historical monuments.

Legislation: A fellowship contract will be made between Évora University and the fellow, following the set of rules listed in the Évora University Research Statute (service order nº1/2011), the Statute of the Research Fellow (Law nº40/2004 de 18 de Agosto e Decreto-Lei nº 202/2012 de 27 de Agosto), and respecting all the legislation and regulations listed in the Regulamento de Formação Avançada e Qualificação de Recursos Humanos da FCT.

Place of work: The work will be developed in **Geophysics Centre of Évora** - Évora University (<http://www.cge.uevora.pt/>) under the supervision of Professors Bento Caldeira and José Borges.

Fellowship duration: 07 months with the expected starting date of May 2014. The fellowship end, can’t exceed the final of project, 31 December 2014.

Payment: The monthly allowance will be 980€, in accordance with the values paid by directly by FCT, I.P. in Portugal (<http://alfa.fct.mctes.pt/apoios/bolsas/valores>). The payment can be made by check or bank transfer.

Selection procedure: candidates will be ranked according to their curricula vitae based on the following parameters:





- a) Scientific background according to the “admission requisites” and previous experience in electronic instrumentation and data acquisition systems (maximum 40 points).
- b) Previous experience in prototyping of Analog/Digital electronic systems (maximum 30 points).
- c) Scientific production (scientific papers, oral and poster communications in scientific meetings, maximum 30 points).

Note: Selected candidates can be called for an interview to clarify any subject deemed relevant by the selection committee.

Selection Committee:

President: Prof. Doutor António José Estêvão Grande Candeias;

1º Member: Prof. Doutor Bento António Fialho Caeiro Caldeira;

2º Member: Prof. Doutor José Fernando Borges

1º Substitute Member: Prof. Doutor Mouhaydine Tlemçani

2º Substitute Member: Prof. Doutor Mourad Bezzeghoud

Publicity and notification of results: The results will be made public by posting them in a public place in Laboratório HERCULES, Palácio do Vimioso, Évora. The candidates will be notified by e-mail.

Under the right of prior hearing the draft final grade will be announced in written form to all interested parties.

Deadline and form of application: The call is open between April 14th and April 29th, 2014 and the results are expected to be published after May 05th, 2014.

The applications should be made by sending a letter of intent together with the following documents: document ID, curriculum vitae, academic certificates and any other document deemed relevant by the candidate.

The applications should be send to:

Prof. Doutor António Candeias

Universidade de Évora - Laboratório HERCULES

Palácio do Vimioso

Largo Marquês do Marialva, 8

7000-809 Évora

e-mail: candeias@uevora.pt; jborges@uevora.pt; bafcc@uevora.pt

