

## **Post-Doc opening**

A postdoctoral research position in electron microscopy is available within the framework of the project PTDC/CTM/100468/2008 with the title "Structural and chemical characterization at the nanometer scale" at the Associate Laboratory CICECO - Center for Research in Ceramics and Composite Materials of Aveiro's University.

The responsibility of the Post-Doc will be to participate in the implementation of state of the art tools for the characterization of nanostructured materials using analytical transmission electron microscopy. A special focus will be directed on electron energy loss spectrometry and the simulation and interpretation of spectra using electronic structure calculations. The candidate should be motivated to cooperate with other research groups in the study of the structural and electronic properties of new materials. Further, the candidate is expected to participate in the supervision of Master and PhD students as well as the training of users in the operation of the microscopes. The ability to work independently and the will to take over responsibilities are welcome.

Candidates should have a PhD degree in Physics, Chemistry, Crystallography, Mineralogy, or Materials Science and a profound experience with TEM. Experience in electronic structure calculations would be great.

### How to apply:

The application for the position should consist of a short motivation letter, a CV, and a list of publications.

Informal inquiries about the relevance of an application as well as the application package (PDF format) should be sent by email to [willinger@ua.pt](mailto:willinger@ua.pt).

### Deadline and starting date:

The ideal starting date is the 1st of May 2010 (or as soon as possible after that date). Search will continue until the position is filled.

University of Aveiro, 14 of April 2010

Project Coordinator,

Dr. Marc Willinger