

Post-Doctoral Research Associate in Electron Tomography

University of Cambridge – Department of Materials Science and Metallurgy

Salary: £27,183 to £35,469 pa

A Post-Doctoral Research Associate position is available immediately to pursue a programme of research into the development and application of electron tomography in materials science with a particular emphasis on the quantification of electron tomograms and 3D nanometrology. The successful applicant will join a small team at Cambridge developing electron tomography using many imaging modes, including STEM HAADF imaging and EFTEM, to acquire structural and chemical 3D information from a variety of materials.

The group is very well equipped with electron microscopes and sample preparation equipment including a Tecnai F20 and Helios Nanolab and in January we will install a monochromated Titan³ with probe corrector.

The research is funded by the EC FP6 grant *ESTEEM* and there are opportunities to work with other European microscopy laboratories, especially in the *ESTEEM* network.

Applicants must have experience of transmission electron microscopy and image processing and preferably have some experience of electron tomography.

The position is available immediately and for up to 20 months in the first instance.

Informal enquiries can be made to Prof Paul Midgley tel. (01223) 334561, e-mail pam33@cam.ac.uk.

Applications should be sent to Prof P.A. Midgley, Department of Materials Science and Metallurgy, University of Cambridge, Pembroke Street, Cambridge, CB2 3QZ and should include a CV, publications list, a summary of research interests and with the names and addresses of two referees and an application form (PD18). Download the application form at <http://www.admin.cam.ac.uk/offices/hr/forms/pd18>.

Only short-listed candidates will be contacted.

Closing date: 20 November 2009

Interview Date(s): Interviews will be held with selected candidates as soon as possible after the closing date.