

SEMINAR

3rd November 2006 at 1200 hrs

Room 05, John Dalton Extension Building, MMU

The new Dalton Research Institute Analytical Microscope- what can it do for you?

Dr Vladimir Vishnyakov

The new analytical instrument is installed in Clean Rooms located to the right of the main entrance of the Dalton Tower at MMU. The microscope is based on the state-of-the-art Zeiss variable pressure Field Emission Scanning Electron Microscope. It also has the first SEM-based micro-Raman analysis system in the UK. Chemical composition of samples can be analysed with EDX and WDX, while material structure should be accessed by EBSD. In addition the instrument has a Cathodoluminescence spectrometer and a cold stage with a preparation chamber and cryo-transfer.

The description of the instrument can be downloaded from <http://www.mmu.ac.uk/sccrg/news.htm>.

In addition to the talk there will be an open forum to discuss analysis requirements, access and training procedures, all of which need to be in place to run the instrument efficiently for our mutual benefit.

The seminar will be held in the Dalton Research Institute, meeting room 05, in the John Dalton Extension Building (from Oxford Road entrance to MMU go to right from foyer, walk to the end of the passage then turn left. Room 05 is then on right).

Tea, coffee and sandwiches will be provided and all are welcome. Please also feel free to invite any colleagues who might be interested in the microscope.