



## SEMINAR

### High Angular Resolution Electron Channeling Electron Spectroscopic (HARECES) Measurements in Anisotropic Materials in the Analytical Electron Microscope

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Friday 16 February, 2007, 3:30 p.m. - 4:30 p.m.  
Science Lecture Theatre S11, Bldg 25

Electron Energy Loss Spectroscopy has been used in conjunction with the Transmission Electron Microscope for many decades to characterize the elemental composition of solids. In this seminar we will review an alternative use of EELS namely to explore the momentum dependence of electron scattering using HARECES. Using this we can further elucidate details of the structure of materials by exploiting linear and magnetic dichroism effects in anisotropic materials

*Visitors are most welcome: Please note the parking arrangements. There is a designated Visitors Car Park (N1) clearly ground-marked by white paint and tickets, at a cost of \$1.4/hour for up to 3 hours, are available from a dispensing machine.*

Convenor: Dr. Joanne Etheridge  
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