

TECHNOLOGY AWARENESS DAY

Wednesday 18th March

Macaulay Scientific Consulting Ltd

The Macaulay Land Use Research Institute

- 9:00 Registration (Tea/Coffee)
- 9:30 Welcome address by Prof. Richard Aspinall, Chief Executive of MLURI
- 9:35 Review of the capabilities of SEM, EDS, XRD, FTIR and Isotope Analysis and how they can be used to characterise various types of materials
- 10:45 Tea/Coffee
- 11:00 Case study reviews to demonstrate the interactions of the techniques
- 12:30 Cold Buffet lunch
& small group tours of Macaulay Analytical chemistry laboratories not covered by the afternoon demonstrations
- 14:00 Demonstrations
- SEM + EDS
 - FTIR
 - XRD
- Three demonstrations to illustrate the principles and basic operations of each instrument, the preparation techniques and how you can obtain the most from your samples.*
- 16:00 Round table discussion and conclusions

Who should attend:

The event is intended to be helpful to anyone with an interest in geoscience (geology, mineralogy), corrosion (metallurgy), production chemistry, land contamination or simply the use of SEM, EDS, XRD, FTIR or Isotope analysis for sample characterisation.