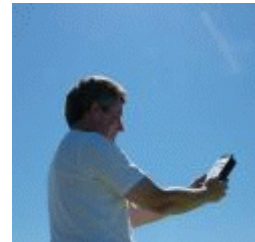
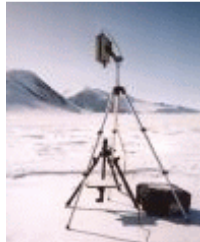


# Introduction to Field Spectroscopy

26<sup>th</sup> to 28<sup>th</sup> February 2007 – University of Edinburgh



**a 2½-day intensive course for postgraduate students**

## Aims

The course aims to provide an introduction to instrumentation, techniques and best practice in field spectroscopy and its role as a primary research tool and in support of wider earth observation research. Drawing on the equipment and facilities owned by the NERC Field Spectroscopy Facility, the course is designed to better equip users with the skills and know-how to improve both the measurements made in the field and the analysis of the data collected. The course will be delivered by the Director and Staff of the Facility.

## Topics

Topics covered include:

- The role of field spectroscopy in research
- Radiometric terms and concepts, BRDF and reflectance
- Instrument design and calibration
- Measurement modes and reference measurements
- Measurement uncertainty
- Issues in field measurements, sampling design and supporting measurements
- The processing and analysis of spectral datasets

## Who should attend

The course is timed to be of early interest to first year PhD students embarking on topics where the use of field spectroradiometric instruments and data are planned. It will also be of benefit to proposers to the NERC Airborne Research and Survey Facility, especially those hoping to take advantage of the hyperspectral capabilities of the new AISA Eagle+Hawk system.

## Cost

The course is free to postgraduate students, but participants will need to fund their own travel and accommodation during their stay in Edinburgh.

## Registration

For course registration and further enquiries please contact the Facility at:

NERC Field Spectroscopy Facility,  
University of Edinburgh, Grant Institute,  
West Mains Road, Edinburgh EH9 3JW

Tel: 0131 6505926; Fax: 0131 6505901;

Email: [fsf@nerc.ac.uk](mailto:fsf@nerc.ac.uk);

Web: <http://fsf.nerc.ac.uk>