

# Equipment Exhibition May 25<sup>th</sup> 2006

**10.00—1600 Live demonstrations of geophysical equipment on the EIGG test site, with opportunity for hands-on trials.**

EIGG Maintains two Shallow Geophysics test sites at Leicester. Their purpose is to provide a facility for training, demonstrations, calibration and research for many aspects of shallow geophysical surveys and methods. Major considerations in the design were:

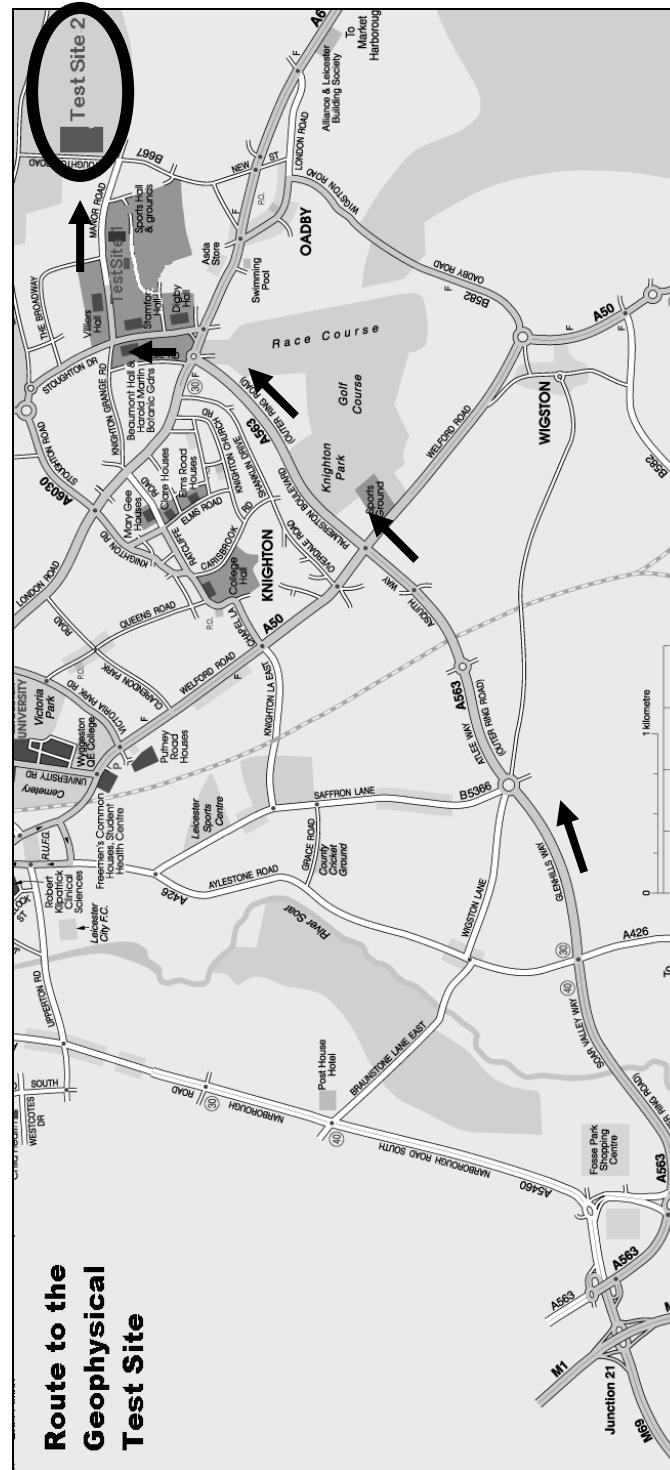
- To provide targets suitable for most shallow geophysical methods such as magnetics, electromagnetics, radar, resistivity and possibly gravity and seismics.
- To provide some simple targets for training purposes
- To provide a series of more challenging targets which would test the limits of present equipment resolution and field techniques.
- To provide a variety of targets which are of practical importance, but are currently undetectable by geophysical methods, e.g. plastic pipes.

The site is 5 miles from junction 21 along the Leicester Ring Road at Grid Reference:

**SK 629016**

*News updates of the program of the exhibition and demonstrations are available on the website*

[http://www.le.ac.uk/geology/iah/research/EIGG/EIGG\\_EX2006hp.html](http://www.le.ac.uk/geology/iah/research/EIGG/EIGG_EX2006hp.html)



Stimulating Near-Surface  
Geophysics

## EIGG Geophysical Equipment Exhibition

**May 25th 2006**

**10 am - 4 pm**

[http://www.le.ac.uk/geology/iah/research/EIGG/EIGG\\_EX2006hp.html](http://www.le.ac.uk/geology/iah/research/EIGG/EIGG_EX2006hp.html)



**University of  
Leicester**

Geophysical Test Site,  
Oadby, Leicester.  
Grid Ref: SK 629 016

**Information and  
Registration Form**

## Shallow Geophysics for all applications

**Archaeology, Environmental, Civil Engineering,  
Planning, Hydrology, Mining and Industrial  
Minerals, Waste management, UXO**

Exhibitors' equipment will be used to collect data over diverse known targets, and the data can be processed and interpreted in the adjacent display room.

**Exhibitors and makes of products so far confirmed for the exhibition are:**

Allied Associates Ltd  
Bartington Instruments  
Campus International Ltd  
Geomatrix Earth Science Ltd.  
Geonics  
Geosoft Europe  
GSSI  
IRIS Instruments  
Mala  
[See the website for latest additions]

Exhibitors will be on-hand all day to discuss and explain their latest instruments and the data that they provide. The following geophysical equipment will be on display.

Seismographs for refraction/reflection  
Seismic sources  
Pulled seismic array  
Resistivity Imaging  
Capacitively-coupled resistivity systems  
Shallow electromagnetic systems  
Caesium Vapour magnetometers  
Ground Penetrating Radar (GPR)  
Differential GPS  
Multi-sensor platform  
Geophysical processing software

**This event has free entry, free car parking, refreshments. Packed lunch will be available for collection on-site by those pre-ordering.**



## Outline Programme for the day

The Demonstration programme will run from 10 am to 4 pm with various instruments being demonstrated on a schedule to maximise viewing time, but to minimise interference between different instruments, and the potential geophysical signatures of the observers. The weather may also have some effect. For this reason the programme is provisional and is an outline example only. Latest news will be available on the website, which also carries details of the construction of the test-site.

[http://www.le.ac.uk/geology/iah/research/EIGG/EIGG\\_EX2006hp.html](http://www.le.ac.uk/geology/iah/research/EIGG/EIGG_EX2006hp.html)

### Outdoor Demonstrations:

10.00 Magnetic survey technique  
to  
12.00 Radar Survey Technique  
Resistivity imaging surveys

12.00 Seismic, EM and Gravity  
to  
14.00 techniques

14.00 Magnetic survey technique  
to  
16.00 Radar Survey Technique  
Resistivity imaging surveys



Construction of the Radar test pit, April 2002



Further suggestions for test facilities to be added to the test site are welcome. Send them to Ian Hill at the email address below.

**Registration is only essential if you wish to order a packed lunch. To register for the meeting please complete the form below**

Name:	
Affiliation:	
Address:	
Vegetarian Option required (state number)	
Number of people attending in my group	
Number of lunches required @£6.00 (bag lunch, sandwiches and finger foods)	
Total value of cheque enclosed (Payable to "University of Leicester")	

Return to: Dr Ian Hill, Department of geology,  
University of Leicester, Leicester LE1 7RH

For further information contact Dr Ian Hill  
Tel: 0116-252-3933; Fax: 0116-252-3918 Email: [iah@le.ac.uk](mailto:iah@le.ac.uk)  
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