

Local Advisory Committee

Peter O'Connor (<i>Chairman</i>)	APEX Geoservices Ltd
Tom Davitt	Scantech Geoscience Ltd
Shane Donohue	University College Dublin
Paul Gibson	NUI Maynooth
Betty Higgs	University College Cork
James Hodgson	Minerex Geophysics Ltd
Stephen Jones	Trinity College
Hartmut Krahn	Minerex Geophysics Ltd
Brice Le Comte	BMA Geoservices Ltd
Yvonne O'Connell	APEX Geoservices Ltd
Xavier Pellicer	Geological Survey of Ireland
Graham Reid	BRG Ltd
Ruth Staunton	RPS Ireland
Mike Young	Geological Survey of Northern Ireland

Scientific Committee

John Arthur	Top-Hole Site Studies Ltd
Colin Brown	University College Galway
Shane Donohue	University College Dublin
Paul Gibson	NUI Maynooth
Betty Higgs	University College Cork
Stephen Jones	Trinity College
Hartmut Krahn	Minerex Geophysics Ltd
Mike Long	University College Dublin
Koen Verbruggen	Geological Survey of Ireland (Infomar Project)
Ugur Yaramanci	Leibniz Institute for Applied Geosciences (GGA) / Berlin University of Technology
Mike Young	Geological Survey of Northern Ireland

General Information

Venue

Trinity College Dublin
College Green
Dublin 2
Ireland



About Dublin

Dublin is both the largest city and the capital of Ireland. It is located near the midpoint of Ireland's east coast, at the mouth of the River Liffey and at the centre of the Dublin Region. Founded as a Viking settlement, the city has been Ireland's primary city for most of the island's history since medieval times. Today, Dublin is an economic, administrative and cultural centre for the island of Ireland.

Conference Overview

Sunday 6 September

10.00 - 18.00 hrs Workshop: Methodologies in Archaeological Geophysics

Monday 7 September

09.00 - 10.00 hrs Opening session
10.00 - 10.40 hrs Best of SAGEEP 2009 presentations
10.40 - 11.30 hrs Exhibition opens
11.30 - 12.10 hrs Best of SAGEEP 2009 presentations
12.10 - 12.50 hrs **Keynote** Near-surface Geophysical Mapping of Northern Ireland from the Air

M.E. Young (Geological Survey of Northern Ireland)
 Start of the technical programme

14.00 hrs Icebreaker reception

Tuesday 8 September

09.00 - 09.40 hrs **Keynote** Field and Laboratory Seismic Measurements in Civil Engineering Applications
K.H. Stokoe (University of Texas at Austin)

Field demonstrations
12.50 - 15.00 hrs Conference evening with a unique Irish flavour

Wednesday 9 September

09.00 - 09.40 hrs **Keynote** Ireland's Largest Geophysical Project? The Irish National Seabed Survey/INFOMAR
K. Verbruggen (Geological Survey of Ireland)

12.30 - 12.50 hrs **GAI** Geophysical Guideline Proposals
Geophysical Association of Ireland
17.10 hrs Closing remarks and introduction to next year's conference

Thursday 10 September

06.45 - 16.00 hrs Field trip 1: New Boliden Tara Mine
08.30 - 18.00 hrs Field trip 2: Newgrange/Hill of Tara

Technical Programme

Workshop

Sunday 6 September

Methodologies in Archaeological Geophysics

Archaeological Geophysics and the Ghost Ridges of County Galway – A Case Study from National Road Schemes in the West of Ireland
Jerry O'Sullivan (National Roads Authority Galway)

Archaeo-Geophysical Prospection on NRA Road Schemes – A Review of the Past Five Years
Ronan Swan (National Roads Authority Ireland)

Investigations at Newgrange, Tara and Rathcroghan
Joe Fenwick (National University of Ireland Galway)

Mapping Irish 'Royal' Sites – Geophysical Survey as Part of an Interdisciplinary Investigation of Multi-period Earthwork Monuments
Brian Shanahan (The Discovery Programme)

Marine Archaeological Geophysics – Methodologies to Assess Shipwreck Sites and Submerged Landscapes
Dr Rory Quinn (University of Ulster)

Ground Penetrating Radar - Efficient High-resolution Archaeological Prospection Using Ground Penetrating Radar Arrays
Jesper Emilsson (Mala Geoscience AB)

Magnetometry, Adapted for Archaeological Research
Dr Joerg Fassbinder (Bavarian State Dept. of Monuments and Sites)

Why is there Resistance to Electrical Prospecting of the Near Surface?
Dr Chris Gaffney (University of Bradford)

Sessions

Monday 7 September

	MacNeill Theatre	Maxwell Theatre	Poster area
14.00 - 15.20 hrs	Archeo and Forensic Geophysics	Airborne and Remote Sensing	ERT and Other Methods for Spatial Investigation
15.50 - 17.10 hrs		Geology and Rock Physics	Electrical, Electromagnetic and GPR Studies

Tuesday 8 September

	MacNeill Theatre	Maxwell Theatre	Joly Theatre	Poster area
09.40 - 12.50 hrs	Surface and S-wave Seismics	Inversion and Modelling		Groundwater and Hydrogeophysics
15.00 - 18.10 hrs	Geotechnical Engineering and Shallow Seismic Studies	New Geophysical Techniques and Research	Geohazards and Contamination	

Wednesday 9 September

	MacNeill Theatre	Maxwell Theatre	Poster area
09.40 - 11.00 hrs	Groundwater and Hydrogeophysics	Karst and Cavity Investigation	New or Novel Geophysical Techniques and Research
11.30 - 12.50 hrs		Marine Geophysics + Panel GAI	Geohazard and Contamination
14.00 - 14.40 hrs	Electrical, Electromagnetic and GPR Studies	Peat and Glacial Environment	Archeo-geophysics
14.40 - 15.10 hrs			Airborne Geophysics
15.50 - 17.10 hrs			Inversion and Ground Properties

The full technical programme is available online at www.eage.org

Field Trips

Field trip 1 - Thursday 10 September

New Boliden Tara Mine	
06.45 hrs	Meet at Trinity College
07.00 hrs	Departure field trip
08.00 hrs	Arrive at Tara Mine in Navan, Co. Meath Presentation, underground tour <i>The Tara Mine in Ireland is Europe's largest zinc mine producing 2.7 million tonnes of ore annually. Geophysical surveys have played a role in the discovery of the mine and are used for ongoing exploration and development. The mine visit will begin with a presentation by New Boliden. Afterwards visitors will be equipped with full PPE for the underground mine visit. Experienced guides from New Boliden will lead the group through the mine. The visit is a spectacular experience of the Navan Ore Body and of a modern working mine.</i>
12.30 hrs	Lunch
13.30 hrs	Visit to the ore concentrator
14.30 hrs	Return to Dublin
15.30 hrs	Drop off at Dublin Airport (upon request)
16.00 hrs	Arrival at Trinity College

Field trip 2 - Thursday 10 September

Newgrange/Hill of Tara	
08.30 hrs	Meet at Trinity College
08.45 hrs	Departure field trip
10.00 hrs	Arrive at Brú na Bóinne - Visitor Centre for Knowth and Newgrange Visitor Centre, Museum, Exhibition <i>Brú na Bóinne Visitor Centre interprets the Neolithic monuments of Newgrange, Knowth and Dowth. The extensive exhibition includes a full scale replica of the chamber at Newgrange as well as a full model of one of the smaller tombs at Knowth.</i>

Second Announcement

Near Surface
2009

15th
European Meeting
of
Environmental
and
Engineering Geophysics



Field trip 2 Continued

11.00 hrs	Knowth Knowth is a megalithic passage tomb with two passages and a cruciform chamber. The main mound is surrounded by 18 smaller satellite mounds.
12.30 hrs	Newgrange Newgrange is a passage tomb where the sun at the winter solstice sunrise falls through a roof box at the entrance and lights up the chamber at the end of the passage tomb. Newgrange was constructed over 5,000 years ago (about 3,200 B.C.), making it older than Stonehenge in England and the Great Pyramid of Giza in Egypt. Newgrange was built during the Neolithic or New Stone Age by a farming community that prospered on the rich lands of the Boyne Valley. Knowth and Dowth are similar mounds that together with Newgrange have been designated a World Heritage Site by UNESCO.
13.30 hrs	Lunch
14.30 hrs	Hill of Tara Though best known as the seat of the High Kings of Ireland, the Hill of Tara has been an important site since the late Stone Age when a passage-tomb was constructed there. Tara was at the height of its power as a political and religious centre in the early centuries after Christ. Extensive geophysical surveys were done at the Hill of Tara and the tour guides will explain the connection between the visible landscape and the geophysical findings.
16.30 hrs	Return to Dublin
17.30 hrs	Drop off at Dublin Airport (upon request)
18.00 hrs	Arrival at Trinity College

Social Programme

To complement the conference and exhibition, EAGE is organizing an icebreaker reception (at the exhibition area) as well as a conference dinner with a unique Irish flavour. The beautiful city of Dublin and the EAGE will make sure that the programme will be an unforgettable experience.

Exhibitors List (18 May 2009)

3d-Radar AS	Geophysical Survey Systems, Inc.
Aarhus Geophysics	Geotomographie GmbH
ABEM Instrument AB	Geovista
Allied Associates Geophysical	GF Instruments, s.r.o.
ALT s.a. (Advanced Logic Technology)	IDS - Ingegneria dei Sistemi S.p.A.
APEX Geoservices Ltd	IRIS Instruments
DECO Geophysical Co. Ltd	LIM s.a.
DMT GmbH & Co. KG	Mala Geoscience
EEGS	Marac Enterprises Inc.
European Geophysical Services Ltd	Mount Sopris Instrument Co., Inc.
Fugro-Aperio Limited	Parallel Geoscience Corp.
Geological Survey of Ireland	Robertson Geologging Ltd
Geological Survey of Northern Ireland	Scintrex
Geomatrix Earth Sciences Ltd	Skytem
Geometrics Europe	Zonge Engineering and Research Organization, Inc.
Geonics Limited	

Supported and/or sponsored by



Registration

Registered and paid	until 15/7/2009	16/7/2009-1/9/2009	2/9/2009-on site
Conference & Exhibition			
EAGE member	€ 385	€ 425	€ 485
EAGE student member ¹	€ 125	€ 175	€ 205
Non-member ²	€ 485	€ 525	€ 585
Full-time student non-member ^{1,2}	€ 150	€ 200	€ 230
Exhibition only			
Exhibition only 3-days	€ 105	€ 110	€ 125
Family member			
Family member	€ 95	€ 115	€ 135
Workshop³			
EAGE member	€ 100	€ 120	€ 160
EAGE student member ¹	€ 35	€ 50	€ 65
Non-member	€ 135	€ 155	€ 195
Full-time student non-member ¹	€ 45	€ 60	€ 75
Field trips³			
Registered and paid before 15/8/2009	Field trip 1	Field trip 2	
EAGE member	€ 120	€ 120	
EAGE student member ¹	€ 60	€ 60	
Non-member	€ 140	€ 140	
Full-time student non-member ¹	€ 70	€ 70	

All members' rates are only applicable if the membership dues for 2009 have been paid (before 15 March 2009).

¹To qualify for the reduced registration fee, a copy of your student identification card for a geoscience institute must be submitted together with the registration form.

²The non-member fee includes EAGE membership for the remainder of 2009.

³Please note that the EAGE reserves the right to cancel the workshop or fieldtrip(s) due to low participation. In this case, payment will be refunded in full.

What is included in the registration fee?

	Admission to exhibition	Admission to technical sessions	Icebreaker reception	Coffee break	Conference evening	Near Surface 2009 CD-ROM	Delegate bag
Full delegate (conference & exhibition)	x	x	x	x	x	x	x
Exhibition only delegate	x		x	x			
Family member	x		x	x	x		

The workshop registration fee includes the following:

- Admission to workshop + workshop material
- Coffee + lunch break (Sunday 6 September)

The field trip registration fee includes the following:

- Admission to (selected) field trip + field trip material
- Transportation and refreshments during the (selected) field trip

Online registration is available at www.eage.org, here you will also find a downloadable registration form.

For updated information, please refer to the EAGE website.