



The Geospatial Future of Buried Services

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Supported by

ICE/ICES Geospatial Engineering Board

Engineering & Physical Sciences Research Council (EPSRC)

Ordnance Survey

UK Water Industry Research (UKWIR)

Monday 13 June 2005

Institution of Civil Engineers
One Great George Street
London



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The conference

The increasing demand for utilities by society has resulted in examples of a saturation of buried services. In the United Kingdom the infrastructure we enjoy has been created over a very long period. The efforts of great engineers, such as Joseph Bazalgette, has changed the way society deals with the effects of concentrated populations that we now accept as the norm. The use of buried services has supported the development of communities by providing water supply, sewerage systems and energy. With the recent advances in technology we have added telecommunications and cable television to the list of buried services. Paper-based records of where buried services are located have been kept in various formats but generally as a relative position, e.g. gas main in London Road 6ft from kerb. On the map used as a record, is the information accurately positioned? Which kerb is used as the reference? Is the information the "as-built" record or is it the intended location?

There is clearly a need for a common framework for the positional referencing of buried apparatus and the Geospatial Engineering Board has created a Buried Services Working Group with this objective in mind. Such information is not only beneficial to those involved it is now a legal requirement to make the records digital. This conference discusses the reason for change, and the benefits, together with examples of what can be done by taking a coordinated effort in recording data to a common framework.

Who should attend

The conference is for those who need to know where buried apparatus is, such as utility company engineers, transportation engineers, highway engineers, emergency services, local authority engineers and academics.

It will be of particular interest to geospatial, trenchless technologies, and GIS specialists, as well as ground engineers.

Organising committee

Martin Cullen Chairman
[ICE Buried Services Working Group and Glasgow Caledonian University](#)

Nick Bean
[Black & Veatch](#)

Ed Danson
[ICES / Geospatial Engineering Board](#)

Richard Hart Event Manager
[Institution of Civil Engineers](#)

Marc Hobell
[Ordnance Survey](#)

Kathryn Hyde-Bales
[Institution of Civil Engineers](#)

Conference organisers

ICE Conferences, Institution of Civil Engineers,
One Great George Street, London SW1P 3AA

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Exhibition

An exhibition will support the conference. This will be an integral feature of the event and will provide organisations with the ideal opportunity to showcase their products to a focused audience. Organisations interested in participating should email sales@dpmedia.co.uk.

Administration details

Date and venue

The conference will be held on Monday 13 June 2005 at the Institution of Civil Engineers, One Great George Street, London SW1P 3AA, UK.

Registration fees and booking procedures

ICE/ICES members £245.00 + VAT @ 17.5% = **£287.88**

Non-members £295.00 + VAT @ 17.5% = **£346.63**

Students / retired £150.00 + VAT @ 17.5% = **£176.25**

These fees include conference attendance, papers, buffet lunch and refreshments.

Registration forms should be returned no later than **Monday 27 May 2005**, together with a cheque, credit card details or invoice request. The following cards are accepted: MasterCard, Visa, Amex, Switch and Delta.

Accommodation

A limited amount of accommodation has been reserved at local hotels. Delegates wishing to take advantage of the rates offered should contact the hotel agency Banks Sadler, quoting the reference ICE X0528.

All queries regarding accommodation should be directed to:

Banks Sadler

t: +44 (0)1904 682610

e: HazelKilvington@banks-sadler.co.uk

f: +44 (0)1904 679622

w: www.banks-sadler.co.uk

Bookings and enquiries

All enquiries should be made to:

Richard Hart

Institution of Civil Engineers

One Great George Street

London SW1P 3AA, UK

t: +44 (0)20 7665 2314

e: conferences@ice.org.uk

f: +44 (0)20 7233 1743

Programme

0900 Registration

1000 Opening address

Martin Cullen, Chair of BSWG

1015 Keynote address

Professor Frank Kelly, Chief Scientist, Department for Transport (tbc)

Session 1: Overview

1040 The current situation?

Dr Mike Farrimond and Ms Jo Parker, UKWIR

1100 What is Digital National Framework?

Dr Marc Hobell, Ordnance Survey

1130 Coffee

1200 What can be achieved?

Dr Gethin Roberts, University of Nottingham;
Professor Chris Rogers, University of Birmingham

1230 Q&A / Discussion session

1250 Lunch

Session 2: Experience

1400 What happened at Terminal 5

Speaker tbc

1420 EMPReSS East Midland's project experience

Chris Gower, Jacobs Babtie

1440 The London and Yorkshire experiments

Phil Bailey, Thames Water Utilities Ltd;
David Owen, Yorkshire Water and John Meehan,
National Grid Transco

1500 Q&A / Discussion session

1520 Tea

Session 3: The alternatives

1540 Why not use "trenchless technology"?

Steve MacKellar, UKSTT

1600 Do we have a choice?

Martin Giel, South East Water Plc

1620 What is the way forward?

Martin Cullen, Chair of BSWG

1640 Q&A / Discussion session

1720 Close

(subject to amendment)

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13 June 2005

Registration form

Please complete and return this form, together with payment details, no later than **27 May**, to:

Richard Hart, ICE Conferences, Institution of Civil Engineers,
One Great George Street, London, SW1P 3AA

f: +44 (0) 20 7233 1743

e: conferences@ice.org.uk

Surname:

Initials/first name:

Title: (Prof / Mr / Ms)

Position:

Organisation:

Address:

.....

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Postcode:

Country:

Tel:

Fax:

Email:

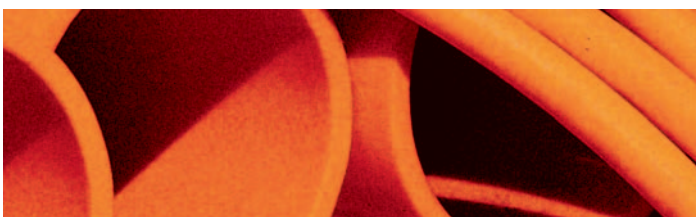
Yes, I would like to receive information about products and services via email

Note: Please complete separate forms for each delegate.

Photocopies of this form are acceptable.

Attendance fee	incl.VAT	Amount due
<input type="checkbox"/> ICE / ICES members	£287.88	£
<input type="checkbox"/> Non members	£346.63	
<input type="checkbox"/> Retired / student	£176.25	

Please note there are a limited number of student, unemployed and retired places available.



Method of payment

I enclose a cheque for £
(made payable to Thomas Telford Ltd)

Please debit my MasterCard / Visa / Switch / Delta / Amex
(delete as appropriate) card by £

Card No:

/ / /

Card Expiry Date: /

Issue No:
(debit cards only)

Cardholder Name:

Cardholder signature:

Please provide a credit card billing address if different from above:

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Please invoice (UK delegates only).

Purchase order number

An invoice will be raised on registration.

Please note that our VAT registration number is GB 240 8777 47

Requests for invoices must be endorsed with either a purchase order number or by an authorised signatory.

Notes

Please note that we are unable to accept provisional bookings.

For cancellations received in writing five working days prior to the conference, an administration fee of £75 + VAT will be charged; no refunds will be given after this date but substitute delegates will be welcome. Non-attendance at the event will be considered a late cancellation and the full fee will be payable.

Bookings taken less than two weeks prior to the conference will only be accepted with a cheque or credit card. ICE Conferences is unable to raise invoices after this date.

Please contact ICE Conferences if you have not received joining instructions one week before the conference to confirm that your booking has been received.

All ICE members are required to undertake a minimum of five days of CPD every year. You may wish to include the subject of this event in your Development Action Plan as part of your CPD and you may record the outcomes in the Personal Development Record which is found in the ICE 2008 booklet.

Registered charity 210252

Data protection

The information provided by you will be used for correspondence, billing and accounts for this event. The data will also be held on a database to provide you with information on services that ICE and Thomas Telford provide in the engineering field. We do not sell data information to third parties. If you do not wish to receive details of future ICE and Thomas Telford Ltd products and services, please tick here

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