



# Mapping the Underworld

## Workshop on Underground Assets Condition Assessment

The Edge  
University of Sheffield

31 October 2007

For more details of this event, and future workshops,  
please visit [www.mappingtheunderworld.ac.uk](http://www.mappingtheunderworld.ac.uk)



### Introduction

Accurately mapping services is only one factor in underground asset management, another very important factor being the ability to characterise and assess that infrastructure in terms of its condition and failure potential. Extension of the techniques used to analyse the signals employed in the location of buried services might also allow the condition of the services to be determined.

This event will review the key research projects and technologies for assessing the condition of utility underground infrastructure and its failure potential. This will include an update on the Mapping the Underworld project, which is researching the technologies and science required to deal with a number of key issues in managing underground assets such as asset location, its condition assessment, detection and location of leakage and data integration.

Further presentations will provide delegates with an opportunity to learn about the current research projects, technology development and experience of practitioners in applying innovative new technologies to deal with condition assessment of underground assets.

The event will be held at The Edge, a University of Sheffield conference facility, please see: <http://www.shef.ac.uk/conferences/facilities/residential/edge.html>, and will provide a great opportunity to meet with suppliers of novel technologies, the research community, and utility companies and contractors involved in the asset management.

The programme includes presentations from representatives of instrument manufacturers, utility companies and the research community. Exhibition space will also be available.

The Chairman of the Workshop will be Professor Adrian Saul of the Pennine Water Group at the University of Sheffield

### Workshop Programme

09:30	Registration and refreshments
10:00	Chairman's welcome and introduction
10:05	Mapping the Underworld update, University of Birmingham
10:30	Condition assessment in sewers: the SEWERBATT project, University of Bradford
11:55	Asset deterioration modelling, Technical University of Bari
11:20	Refreshments and networking
11:45	The SAHARA project, Water Research Centre
12:10	Discussion
12:30	Lunch, networking and exhibition viewing
13:30	Introduction to the afternoon session
13:35	Condition assessment of various pipe materials, Bodycote PDL
14:00	Management of underground assets – current practice, key issues & technology gaps, Northumbrian Water
14:25	Novel technologies for detection and condition assessment of buried pipes and cables, Radiodetection (UK)
14:50	Refreshments and networking
15:10	Condition assessment of gas mains, Advantica
15:35	CCTV Survey - A Contractor's View, Future Amtec
16:00	Discussion and closing remarks
17:00	Close

### Pricing and Booking Details

The cost of attending the conference is £95 + VAT if places are booked and paid for by 17<sup>th</sup> October 2007 after which the cost is increased to £120 + VAT. An excellent lunch is provided. For more information regarding registration please e-mail [hqsec@pipeguild.co.uk](mailto:hqsec@pipeguild.co.uk). To book a place, please complete the registration form or contact:

**Buried Asset Seminar Administrator**

**Pipeline Industries Guild**

**14/15 Belgrave Square, London, SW1X 8PS**

**Tel.: 020 7235 7938. Fax: 020 7235 0074**



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### Registration Form

Please complete and return this form to:

**Ms Sarah Miller**

Pipeline Industries Guild

14/15 Belgrave Square

London

SW1X 8PS

Tel.: 020 7235 7938

Fax: 020 7235 0074

Email: [hqsec@pipeguild.co.uk](mailto:hqsec@pipeguild.co.uk)

No. of Places requested .....

Surname: .....

Initials/first name: .....

Title: (Prof/Dr/Mr/Ms): .....

Position: .....

Organisation: .....

Address: .....

.....

.....

Postcode: .....

Country: .....

Tel.: .....

Fax: .....

Email: .....

WWW: .....

Special Dietary Requirements .....

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**A payment invoice will be forwarded to the contact address above.**

### Workshop Exhibitions

An exhibition session will be held during the workshop.

The exhibitors include leading condition assessment experts and demonstrations of the latest technology.

The cost of an Exhibit is £200, to include a delegate entry to the workshop.

For further information about the exhibition, please contact:

**Lindsay Hopcroft**

Pennine Water Group

University of Sheffield

Tel.: 0114 222 5761

Fax: 0114 222 5700

Email: [l.hopcroft@sheffield.ac.uk](mailto:l.hopcroft@sheffield.ac.uk)

For more information on the Workshop venue please visit

<http://www.shef.ac.uk/conferences/facilities/residential/edge.html>

For further information on the University of Sheffield, including maps and travel advice, please visit:

<http://www.sheffield.ac.uk/visitors/>

We look forward to seeing you in Sheffield