

The background of the entire page is a dense, complex network diagram. It consists of numerous grey, three-dimensional cube-like nodes scattered across a black field. These nodes are interconnected by a web of thin, glowing blue lines. From each node, several sharp, red, needle-like spikes extend outwards, creating a starburst effect. The overall appearance is that of a highly interconnected, multi-dimensional network structure.

dti

**GLOBAL WATCH MISSION SEMINAR**

Wireless sensor networks:  
a mission to the USA

16 FEBRUARY 2006  
ROYAL SOCIETY, LONDON

## About the event

***This free, one-day seminar will report back on findings of a DTI Global Watch Mission that visited the West Coast of the USA in November 2005 to explore developments and opportunities in the US wireless sensor network market.***

The USA, along with Japan and South Korea, is a world leader in developing wireless sensor technology. Without significant progress the UK faces the prospect of falling behind in development of the technology and potential applications.

This event will provide a comprehensive review of wireless sensor technology in the USA and explore potential markets available for UK companies.

Particularly the seminar will inform you of:

- **Developments in wireless sensor networks in the USA in the last five years**
- **Factors that have acted as catalysts for the advancement of wireless sensor technology**
- **Roles played by research, academia and industry in developing the technology**
- **Potential new applications and markets**
- **Investment issues/opportunities**

## Who should attend?

Registration is free and open to anyone in the UK with an interest in this field, particularly:

- **Research centres and universities**
- **Industrial partners from the communications and sensor industry**
- **British Computing Society**
- **Industrial/academic networks**

**To reserve your place contact Holly Wilson on 01664 501551**

## Provisional Event Programme

10.00	<b>Registration and coffee</b>
10.30	<b>Introduction</b> <i>Graham Peggs, National Physical Laboratory</i>
10.45	<b>DTI Global Watch Service</b> <i>Cliff Young, DTI International Technology Promoter, North America</i>
11.00	<b>State of the art in wireless sensor technology in the USA</b> <i>John Gilby, Sira Technology Limited</i>
11.20	<b>Applications and markets</b> <i>Paul Garner, BT Research</i>
11.40	<b>Coffee and networking</b>
12.00	<b>The collaboration (industry-academia-government) scene in the USA and strategic developments in the field</b> <i>DK Arvind, School of Informatics, Edinburgh University</i>
12.20	<b>Conclusions and recommendations</b> <i>Alison Burdett, Toumaz Technology Ltd</i>
12.45	<b>Lunch and networking</b>
13.45	<b>Introduction to panel</b>
14.00	<b>Panel discussion – open floor Q&amp;A</b>
15.00	<b>Chairman's summing up</b>
15.30	<b>End</b>

## About DTI Global Watch Missions

DTI Global Watch Missions enable small groups of UK experts to visit leading overseas technology organisations to learn vital lessons about innovation and its implementation of benefit to entire industries and individual organisations.

By stimulating debate and informing industrial thinking and action, missions offer unique opportunities for fast-tracking technology transfer, sharing deployment know-how, explaining new industry infrastructures and policies, and developing relationships and collaborations. Around 30 DTI Global Watch Missions take place annually, with the co-ordinating organisation receiving guidance and financial support from the DTI Global Watch Missions team.

For further information visit: [www.globalwatchservice.com/missions](http://www.globalwatchservice.com/missions)

## About the National Physical Laboratory



NPL is the United Kingdom's national standards laboratory, an internationally respected and independent centre of excellence in research, development and knowledge transfer in measurement and materials science. For more than a century we have developed and maintained the nation's primary measurement standards – the heart of an infrastructure designed to ensure accuracy, consistency and innovation in physical measurement.

As the UK's national measurement laboratory, NPL's mission is:

- **Excellence in science**
- **Increased exploitation of that science to boost UK competitiveness and quality of life**
- **Integrity and independence as a national asset**
- **Enhanced international standing**

Part of the NPL research programme is to understand how to estimate the confidence that a user of a sensor network might place on measurements derived from such a network. This is of key importance when, for example, safety critical decisions have to be based upon such data.

In other work at NPL multi-functional highly-integrated sensors are being developed that could be deployed in a network, from which a set of specific measurement parameters could be selected. This, in effect, would create a virtual sensor with the optimum characteristics for a particular measurement application.

For further information visit [www.npl.co.uk](http://www.npl.co.uk)

## Booking form

### Wireless sensor networks: a mission to the USA

16 February 2006

Royal Society, London, SW1Y 5AG

To register for this free event, please complete the form below and return it to:

**Post:** Holly Wilson  
Event Co-ordinator  
DTI Global Watch Service  
Pera  
Pera Innovation Park  
Melton Mowbray  
Leicestershire, LE13 0PB

**Fax:** 01664 501261

**Tel:** 01664 501551

**E-mail:** [events@globalwatchservice.com](mailto:events@globalwatchservice.com)

### Registration Information

Title

First name

Surname

Position

Company

Company size

1 – 10

11 – 50

51 – 100

101 – 250

251 – 500

500+

Postal address

Postcode

Telephone

Fax

E-mail

Web address

How did you learn about this event?

## About DTI Global Watch Service

The DTI Global Watch Service provides support dedicated to helping UK businesses improve their competitiveness by identifying and accessing innovative technologies and practices from overseas:

- **Global Watch Information**

- **Global Watch Online** is a unique internet-enabled service delivering immediate and fast-breaking worldwide business and technology information.
- *Global Watch*, a free magazine delivered monthly to over 50,000 UK organisations, featuring the latest technology developments and practices around the world.
- *UKWatch*, published quarterly and available free of charge to UK and overseas subscribers, highlights UK innovation and promotes inward investment opportunities into the UK.

- **Global Watch Missions**

These technology-focused missions allow UK sectors and individual organisations to investigate innovation and its implementation at first hand, providing valuable insights into technology developments and practices.

- **Global Watch Secondments**

Helps SMEs send employees abroad or receive people from overseas. Secondments are an effective way of acquiring the knowledge, technology and connections essential to developing a business strategically.

- **Global Watch Technology Partnering**

Provides UK companies with free, flexible and direct assistance from commercially-aware technology specialists to raise awareness of, and provide access to, technology and collaborative opportunities around the world.

For further information on the DTI Global Watch Service please visit [www.globalwatchservice.com](http://www.globalwatchservice.com)