

## Security of drinking water supplies

25<sup>th</sup> January '06 – Lord Kings Norton Conference Room, Mitchell Hall,

Cranfield University

<http://www.cranfield.ac.uk>

Security of drinking water supplies is an important issue that can affect the UK population as a whole. Water contamination can occur due to range of factors which can be accidental or intentional and takes place anywhere at any time. It is therefore vital to the water industry to be well equipped and prepared to sudden changes in water quality and to be able to take rapid and instant action for risk elimination and management.

This workshop will outline the opportunities and approaches being implemented /or developed in meeting this monitoring challenges faced by the Water Industry. Sensor technology developed for this application will also be presented.

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### Chair; Dr. Sam Tohill, SIMS, Cranfield University

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|-------|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 09.30 | Coffee & registration                                                                           |                                                                               |
| 10.00 | Introduction                                                                                    | <b>Dr. Sam Tohill, Cranfield University</b>                                   |
| 10.15 | Risk Management capability in the water utility sector                                          | <b>Prof. Simon Pollard, Cranfield University</b>                              |
| 10.45 | Multiparameter sondes for monitoring water quality: limitations & synergies                     | <b>Dr John Saffell, Alphasense Ltd</b>                                        |
| 11.15 | Coffee                                                                                          |                                                                               |
| 11.30 | Laboratory Environmental Analysis Proficiency (LEAP) – Potable water chemical emergency scheme. | <b>Barry May, Central Science Laboratory, Defra</b>                           |
| 12.00 | Smart dust from dumb boulders                                                                   | <b>Steve Edwards, Whistonbrook Technologies</b>                               |
| 12.30 | Discussion & Lunch                                                                              |                                                                               |
| 13.30 | Detecting non-accidental contamination events                                                   | <b>Adrian Clark, Defence Science &amp; Technology Laboratory, Porton Down</b> |
| 14.00 | Early warning systems for drinking water intakes                                                | <b>Darren Hanson, YSI Hydrodata</b>                                           |
| 14.30 | On-line biological monitors for contamination detection                                         | <b>Mike Pearce, Envitech</b>                                                  |
| 15.00 | Discussion & close                                                                              |                                                                               |

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The cost of attending the Workshop is £65 inc VAT for members and £115 inc VAT for non-members. Cheques should be made payable to SWIG and sent to: SWIG, St. Michael's House, Whittington, Carnforth. LA6 2NX Tel./Fax. 015242 71461 Email: [info@swig.org.uk](mailto:info@swig.org.uk) Literature may be distributed for a fee of £50 and a limited number of table top displays are available at £100 each

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