



A workshop on



# DYE TRACING

## Practical Experiences and Applications using Fluorometers

Date: 8th October 2003

Venue: HR Wallingford, Oxon

**Sponsored by: Turner Designs Inc and RS Aqua Ltd**

**In collaboration with: University of Sheffield**

**Supported by: University of Bristol, University of Birmingham and HR Wallingford**

*Dye tracing is a well established, multi discipline practice. But, are you conversant with all the actual and potential applications? This one day workshop brings together a number of experienced "dye tracers" with divergent uses for fluorescence based procedures. These experiences are supplemented by expert dissertations covering an introduction to fluorescence, the theory behind dye tracing and the respective attributes of the measuring instrumentation, including "hands on" opportunities. The seminar is sponsored by Turner Designs, USA and it's UK distributor RS Aqua.*

## PROGRAMME

- 0930 Registration and coffee
- 1000 Welcoming address - Roger Scrivens, RS Aqua Ltd
- 1010 An introduction to fluorescence and Turner Designs - Rob Ellison, Turner Designs
- 1030 Dye tracing - theory: time of dilution, travel and dispersion - Ian Guymer, Uni. Sheffield
- 1050 Discussion/Questions
- 1100 Coffee**
- 1120 Case study 1: Rivers - Joby Boxall, Uni. Sheffield
- 1140 Case study 2: Treatment systems - Sewers to Reed Beds - Ian Guymer, Uni. Sheffield
- 1210 Case study 3: Estuaries and Coastal Studies - John West, Uni. Birmingham
- 1230 Case study 4: Groundwater Studies - Pete Smart, Uni. Bristol
- 1250 Discussion / Questions
- 1300 Lunch**
- 1400 Modelling Applications
- 1420 Discussion / Questions
- 1430 Instrumentation Workshop
- 1500 Instruments at work - demonstration using HR Facilities
- 1600 Discussion and close

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**PLACES ARE LIMITED - PLEASE BOOK EARLY!**

**Cost:** A nominal charge of £25.00 per person (inc. VAT) will be levied as a contribution towards costs. See "voucher" below. Payment with booking please - by cheque payable to RS Aqua Ltd.

**Venue:** HR Wallingford is an internationally renowned centre for all aspects of water research.

**Voucher:** Each attendee will be issued with a £50 voucher which can be redeemed against the purchase of a Turner Designs instrument ordered from RS Aqua Ltd during 2003 (terms and conditions apply).

### Useful Information

**Location maps and final programme:** will be supplied in advance.

**Car parking:** available on site.

**Overnight accommodation:** recommendations on request, please contact RS Aqua.

**For further information contact:**

**RS Aqua Ltd**

4-6 Hurst Barns

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Alton

Hants, GU34 3PL

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Web: [www.rsaqua.co.uk](http://www.rsaqua.co.uk)



### Booking Form

Please copy, complete and post with payment to:  
RS Aqua Ltd, 4-6 Hurst Barns, Privett, Alton, Hants GU34 3PL  
A receipt will be issued.

**Name:**..... **Badge Name:**.....

**Company/Organisation:**.....

**Department:**.....

**Address:**.....

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**Tel:**..... **Fax:**.....

**E-mail:**.....