



# A workshop on DYE TRACING

## Practical Experiences and Applications using Fluorometers

**Date: 17th April 2008**

**Venue: University of Warwick**

**Sponsored by: RS Aqua Ltd**

**In collaboration with: University of Warwick**

*Dye tracing is a well established, multi discipline practice. But, are you conversant with all the actual and potential applications? This one day workshop, the second in the series, brings together a number of experienced "dye tracers" from the academic and commercial arenas 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 RS Aqua Ltd in collaboration with the Warwick Water Group at the University of Warwick.*

### PROVISIONAL PROGRAMME

**09:15 - Registration and coffee**

09:50 - Welcoming address - Roger Scrivens, RS Aqua Ltd

#### **Session 1 - Fluorometry and Nearshore/Coastal Studies**

10:00 - Turner Designs Fluorometers, an introduction - David Goldsmith, RS Aqua Ltd

10:20 - Practical Experiences of Commercial Coastal Dye Tracing Surveys - Robin Newman, EMU Environmental Ltd

10:40 - Considerations of Dye Tracer Data as a Mechanism for the Calibration of Mathematical Models - Paul Taylor, Metoc Plc

11:00 - Nearshore (Wave) Mixing Processes - Dr Jonathan Pearson, University of Warwick

**11:20 - Coffee**

#### **Session 2 - Wastewater, Urban Drainage and Chemical Fate**

11:40 - Urban Drainage, WwTW - Dr John Grimm, Anglian Water Services Ltd

12:00 - Validating CFD Models - Dr Virginia Stovin, University of Sheffield

12:20 - Fate of Chemicals in the Natural Environment - Dr Mick Whelan, Cranfield University

12:40 - Wetlands/Pond Studies - Dr Klaus Richter, University of Warwick

**13:00 - Lunch**

**14:00 - Instruments in action - 3 parallel group sessions**

**15:00 - Coffee**

#### **Session 3 - Rivers**

15:30 - River/Estuarine/Wetlands - Solute and Particle Tracing - Dr Kevin Black, Partrac Ltd

15:50 - River/Hyporheic Studies - Dr Ian Guymer, University of Warwick

16:10 - Some Exploration of Hidden Value in Tracer Experiments for Model Calibration and Validation - Dr Steve Wallis, Heriot-Watt University

**16:30 - Close**

# A workshop on **DYE TRACING**

## **Practical Experiences and Applications using Fluorometers**

**Date:** 17th April 2008

**Venue:** University of Warwick

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

**Cost:** A nominal charge of £35.00 per person (inc. VAT) will be levied as a contribution towards costs (lunch, refreshments, car parking, etc). Payment with booking please - by cheque payable to RS Aqua Ltd.

**Venue:** The University of Warwick campus was recently voted the "best campus in the UK". It is an ideal venue for this event.

---

### **Useful Information**

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

**Car parking:** Available on site and included in the event package.

**Overnight accommodation:** Recommendations are available on request, please contact RS Aqua.

#### **For further information contact:**

**RS Aqua Ltd**

4-6 Hurst Barns  
Privett  
Alton  
Hants, GU34 3PL

Tel: +44 (0)1730 828222  
Fax: +44 (0)1730 828128  
E-mail: [dyetracing@rsaqua.co.uk](mailto:dyetracing@rsaqua.co.uk)  
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:**.....

.....

.....

.....

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

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

v1.2