



Bathing Waters: Current & Future Environmental Requirements

18th April 2012

Conference Room, National Oceanographic Laboratory, Southampton (Location here:
<http://noc.ac.uk/about-us/maps-directions/southampton-centre>)

The EU Bathing Waters Directive has significantly driven improvements within the UK in water quality of bathing waters over the past 10 years. A revision to the EU Bathing Waters Directive will be introduced in 2015 which applies more rigorous standards. Within the current directive, the parameters specified as indicators of health risk to bathers are faecal coliforms and total coliforms. Within the revised directive, these will be replaced by the two parameters *E Coli* and intestinal *enterococci*.

The workshop will address how monitoring authorities within the UK are addressing their obligations to meeting these standards, and specifically the tools and strategies they are adopting in this work. Use of existing sensors and sensor systems will be discussed, together with a future view as to what type of technology can be adopted to provide robust measurements to address these challenging requirements.

Workshop includes a tour of the NOC Sensors Development Laboratories (includes Sensors Clean Lab, Sensors Electronics Workshop, AUV Hanger - Sensors on Gliders programme, and sensors used in the Lake Ellsworth project). **Please confirm your place when booking.**

10% Early Bird Discount for bookings by 23rd March 2012

Chairman: Justin Dunning, Sales Manager, Chelsea Technologies Group

09.30 Coffee & registration

10.00 Welcome from the National Oceanographic Centre (NOC)
Keith Birch, National Marine Facilities Business Manager, NOC

10.05 Introduction and overview
Justin Dunning, Chelsea Technologies Group

10.15 Bathing Waters: What's new under the Revised Directive
Ian Dunhill, Advisor – Tidal Waters, Environment Agency

10.40 Environment Agency regional perspective (Title TBC)
Speaker TBC, South West Region, Environment Agency

11.05 Tea / coffee

11.30 A new *in situ* UV Fluorimeter for Water Quality Monitoring
John Attridge, Technical Director, Chelsea Technologies Ltd

11.55 Predicting Poor Coastal Water Quality – What Makes this Important for Dwr Cymru Welsh Water
Fergus O'Brien, Coastal Waters Manager, Dwr Cymru Welsh Water

12.20 Advances in biochemical and molecular microfluidic sensors for monitoring of bathing water quality
Maria-Nefeli Tsaloglou, Sensors Science Team Leader, NOC

12.45 Lunch

13.45 Blue Flag testing at EA Starcross using a PDA based solution to meet regulatory pressures for test turnaround times
Claire Parker, CSols Applications Manager

14.10 Delivering healthy water: building the science-policy interface to protect bathing water quality
Melanie van Niekerk (Facilitator) and Dr David Oliver (Principal Investigator), Delivering Healthy Water, University of Stirling

14.35 Discussion and close of seminar programme

14.45-15.45 Tour of NOC Sensors Development Laboratories

REGISTRATION

The cost of attending the Workshop is £78.00 inc VAT for members of SWIG and £140 inc VAT for non-members. Literature may be distributed for a fee of £60 and a limited number of table top displays are available at £110 each. Registrations can be made by Tel: 01925 855741, email: linda.smith@swig.org.uk, web: www.swig.org.uk using the on-line booking form. **Please advise if you have special dietary needs.** Cancellation policy: Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.