

## Remote environmental monitoring 30 January 2019

Freshwater Biological Association, River Laboratory, East Stoke,  
Wareham, Dorset, BH20 6BB

The workshop will provide an update on the drivers coming through from UK environmental monitoring policy, and how sensor and communications technologies are addressing these challenging requirements for permanent, semi-permanent and portable monitoring systems, both in the sensing and communications hardware and data delivery to the client. The workshop will include presentations from organisations implementing policy, monitoring system users and providers, and academic presentations on novel remote monitoring systems.

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**Chair: Justin Dunning, Chelsea Technologies Group**

10:00 Tea, Coffee & registration

10:20 Introduction by the Chairman. **Justin Dunning, Chelsea Technologies Group**

10:30 Scums and Satellites. **Bill Brierley, Freshwater Biology Association**

11:00 Wireless sensor networks under challenging conditions – remote monitoring of water quality during the restoration of Fingle Woods, **Simon Browning, West Country Rivers Trust**

**11:30 Tea & Coffee**

11:50 [Presentation title TBC], **Neill Cornwell, Xylem**

12:20 Using satellite data transmission to retrieve data from remote sites, **Matthew Ellison, Wireless Innovation Ltd**

**12:50 Lunch & SWIG AGM**

14:00 The Implementation of fluorescence based sensors for remote water quality monitoring. A new Indo/UK initiative. **Prof Darren Reynolds, University of the West of England**

14:30 Satellite monitoring of waters. **Agnieszka Bialek, NPL**

15:00 ARC boats for autonomous monitoring [title TBC] **Andy Roberts, Environment Agency**

15:30 Discussion

15:45 Close

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**REGISTRATION:** The cost of attending the Workshop is £92.00 inc VAT for RSC and SWIG members. £166 inc VAT for non-members. £20 for students. Literature may be distributed for a fee of £69 and a limited number of table top displays are available at £132 each. Registrations can be made by Tel 01934 830658 or by email to [rosa.richards@swig.org.uk](mailto:rosa.richards@swig.org.uk) or using the on-line booking form.

**Please advise of any special dietary requirements at time of booking.**

**Cancellation policy:** Refunds can only be made if cancellations are notified at least 5 days in advance of the Workshop date.