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## New Developments in biosensors

28 April 2021  
Webinar

This event will address the following questions:

- Why do we need biosensors, to detect viruses, bacteria, algae?
- What are the challenges in developing and adopting biosensing technology?
- What are the latest development in biosensing technology?

We will hear about existing technologies and look forward to new biosensing technologies under development.

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**Chair: Richard Luxton, IBST, UWE**

13:00 Introduction by the Chairman, **Richard Luxton, IBST, UWE**

13:20 Paper-origami device for rapid diagnosis and testing sewage for early warning of a pandemic,  
**Zhugen Yang, Cranfield University**

13:45 A Practical Biofilm Monitoring Device for Water Distribution Systems. **Frances Pick, University of Sheffield**

14:10 New biosensing changing the way we manage water. **Tom Williams, Enebio**

14:35 A Commercial Nitrate Sensor for Soil and Water. **Martin Peacock, Zimmer & Peacock**

15:00 A whole cell biosensor for the detection of mercury in a low-tech setting.  
**Tom Peeters, Erasmus Brussels University and Daniel Guerra, Cayetano Heredia Peruvian University**

**15:25 Discussion**

**15:45 Close**

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**Registration:** Thanks to sponsorship from Zimmer & Peacock and IBST we are able to offer free registration for SWIG members. Registration for non-members is £65 inc VAT. 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](#).

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