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SWIG Workshop: Instrumentation & Asset Management

28 September 2022

Conference Room, Thames Barrier Information Centre, Eastmoor Street, Charlton, SE7 8LX

As the UK water industry continues to migrate from the more traditional CAPEX/OPEX models to an integrated TOTEX model there is an ambition to understand the health of assets in real-time to optimize systems, plan maintenance and better inform future designs. The need for data on asset condition, health, performance and efficiency creates a need for sensors and systems to provide the data and information to the right people at the right time.

A change in mindset and application from reactive or time based maintenance to condition based maintenance requires sensors and systems to drive proactive interventions and improve overall equipment effectiveness (OEE). Many methods are available online and off-line for monitoring assets of varying criticality such as vibration monitoring, acoustics, thermography, motor current signature analysis and tribology to name but a few. As a strategy matures the implementation of the relevant technology is key to ensure engineers can diagnose a problem once identified.

Chair: Alex Gray, Thames Water

09:30 Tea, Coffee & registration

10:00 Introduction by the chairman. **Alex Gray, Thames Water**

10:30 [Presentation title TBC] **Jethro Yates, Thames Water**

11:00 [Presentation title TBC] **Paul Egan, 8 Power**

11:30 Tea & Coffee

12:00 [Presentation title TBC] **Speaker TBC, Partech**

12:30 Wireless Sensors: A Low-Cost Option for Advanced warning of Potential Flood Situations

James Devereux Psitech

13:00 Lunch

14:00 [Presentation title TBC] **Alex Forbes, Syrinix**

14:30 [Presentation title TBC] **Ehsan Kazemi, University of Sheffield**

15:00 From loggers to levers: when will the internet of things help us manage stormwater overflows and reduce flood risk **Peter Melville Shreeve, University of Exeter**

15:30 Discussion

15:50 Close

REGISTRATION: The cost of attending the Workshop is £110 inc VAT for SWIG members in person or online. £210 inc VAT for non-members in person or online. £27 for students. Literature may be distributed for a fee of £85 and a limited number of table top displays are available at £210 each. Registrations can be made by Tel 01934 830658 or to 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.