

Institution of  
**MECHANICAL  
ENGINEERS**

## **South Wales**

South Wales Region

Institution of Mechanical Engineers

# **INNOVATIONS IN PIPEWORK REPLACEMENT**

**17<sup>TH</sup> IAN HEWERDINE  
MEMORIAL LECTURE**

**19<sup>th</sup> November 2019**

The Holiday Inn, North M4,  
Jct.32 Tongwynlais, Cardiff  
CF15 7LH

**Buffet From: 6:15pm**

**Lecture Start: 7.00pm**

**Speaker: Mr. Adam Bush, Project  
Manager, Dwr Cymru/Welsh  
Water.**



The presentation will cover the application of modern technology and innovative approaches which successfully led to the full replacement of the supply and scour pipework and valves at Talybont Reservoir in South Wales, formed by a 30m high embankment dam. It will explain how the use of siphons were able to maintain supply and compensation water throughout the duration of the construction during one of the driest summers on record in the UK.

Isolation of the mid-level drawoff required unusual underwater excavation and engineering. Advanced underwater surveys and the application of robotics enabled the isolation of the low-level drawoff and scour pipework and valves

For more information, please see our website for details:

<http://nearyou.imeche.org/near-you/UK/South-Wales/events>