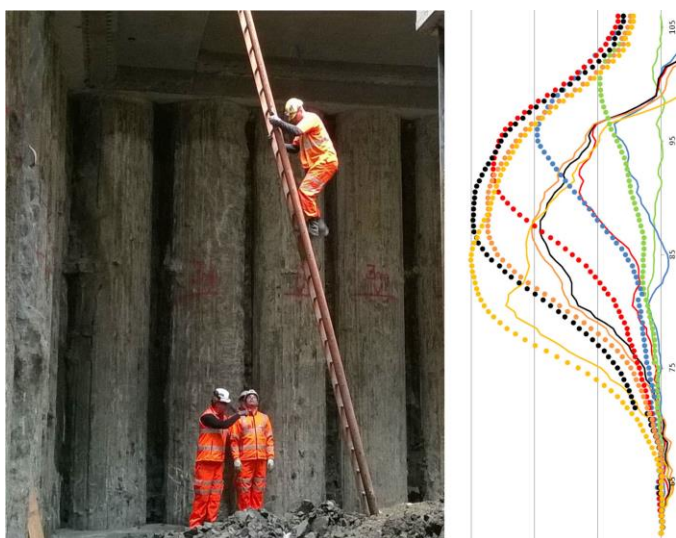


Monitoring Construction Work: Lessons Learned and Practical Guidance Peter Hewitt, Laing O'Rourke

The presentation follows the development of Laing O'Rourke's internal Instrumentation and Monitoring Department, to look at the dramatic changes which have occurred in the way construction work is monitored over the last six years.



The talk will look at the mistakes, the schoolboy errors as well as the drivers for change. This will primarily look at ground movement and asset protection monitoring, but will also touch on environmental monitoring such as noise, dust, vibration and water quality.

The talk will draw on experience and lessons learned on projects such as London Gateway Port, Crossrail, Davyhulme, Staffordshire Alliance to HS2 and beyond, to provide practical guidance on how monitoring should be undertaken, and on how to deal with fundamental issues of error, accuracy, repeatability and the "Focussing Illusion".

Changes in measurement technology will be discussed, as well as looking forward to future developments in areas such as Fibre Optics, Laser Scanning and Satellite Imagery.

Peter Hewitt is the Geo-environmental Engineering Leader at Laing O'Rourke. He is responsible for the Land Surveying, Monitoring, Geotechnical and Contaminated Land Team for Laing O'Rourke.

An Engineering Geologist by training, he has over 25 years of experience in the construction industry and has worked for Laing O'Rourke for the last eight years. He set up the Instrumentation and Monitoring Department six years ago.

TIME: Lecture starts promptly at 6.30pm 27.04.17

TEA, COFFEE AND BISCUITS FROM 6.00PM

Venue: WS0.06 in the William Smith Building of Keele University ST5 5BG (Building 15 on campus map, also attached) <https://goo.gl/maps/iyJwnr2nxNG2>

Car parking is free on campus after 5:30pm.

Organised Jointly by the North West group of the Geological Society of London and ICE West Midlands

For further information contact the group secretary, Catherine Kenny at:
Geologicalsociety.northwest@gmail.com

CPD: These events may be considered for contributing to a recognised Continuing professional Development (CPD) scheme as part of personal development. Delegates should check their individual scheme requirements.