



NORTHERN IRELAND  
GEOTECHNICAL GROUP

## Lunchtime Webinar

### Groundwater Control for Excavations & Earth Retaining Structures

Dr Stephen Thomas (OGI Groundwater Specialists)



**Date:** Tuesday 7<sup>th</sup> November 2023  
**Time:** 13:00 – 14:00 (lunchtime webinar)  
**Venue:** Microsoft Teams Online Event - [Click here to join the meeting](#)

### Synopsis

This presentation describes various techniques for the Management and Control of Groundwater during Civil Engineering Projects that require the lowering of water table/ piezometric head to provide ground stability. The presentation contains practical case studies which illustrate the safety and cost benefits of a robust Management & Control system, together with describing the detrimental impact of poor groundwater control.

## Biography




**Dr Stephen Thomas**  
MSc, MBA, DPhil, FICE,  
CEng, Eur Ing

Dr Stephen Thomas is Founder Director of OGI Groundwater Specialists Ltd. He is a Fellow of the Institution of Civil Engineers, an elected member of the Executive Committee of the British Geotechnical Association and an Honorary Fellow at the University of Durham. Starting his Civil Engineering career in 1976, he has completed over 300 geotechnical, water & groundwater projects delivered in the UK, Europe, Brazil, USA and the Middle East. Supported by 10 years of university education in Swansea, Durham and Oxford, Stephen delights in developing innovative solutions to overcome major engineering challenges. After three years working in the United States and six years at Oxford University, Stephen founded OGI in 1989 to provide specialists services in the field of groundwater and geotechnical engineering.

## NI Geotech Group Calendar 2023-2024

Date	Time & Venue	Title
19 <sup>th</sup> September 2023	13:00 Online lunch webinar	<b>Primark, Belfast: Out of the Ashes</b> <i>John Keane (DBFL Consulting Engineers)</i> & <i>James McNeill (Quinn Piling)</i>
17 <sup>th</sup> October 2023	19:00 The Pavillion, Ormeau Rd, Belfast	<b>Social Event – Quiz Night</b>
7 <sup>th</sup> November 2023	13:00 Online lunch webinar	<b>Groundwater Control for Excavations &amp; Earth Retaining Structures</b> <i>Stephen Thomas (OGI Groundwater specialists)</i>
16 <sup>th</sup> January 2024	13:00 Online lunch webinar	<b>Trackbed Stabilisation Techniques</b> <i>Colin Hedderly (Irish Rail)</i>
5 <sup>th</sup> February 2024	18:00 Online evening webinar	<b>A83 Rest and Be Thankful – Improvements</b> <i>Atkins / Transport Scotland</i>
12 <sup>th</sup> March 2024	18:00 In-person, location TBC	<b>Data analytics for embankment settlement prediction</b> <i>Paul Sargent (UU) / Faisal Siddiqui (Amey)</i>
16 <sup>th</sup> April 2024	13:00 Online lunch webinar	<b>Earthwork Asset Management</b> <i>David Harrigan (Translink), Ruth Kelly (Amey)</i>

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