

UNIVERSITY OF
BIRMINGHAM

Midland Geotechnical Society Meeting Notice

www.midlandgeotechnicalsociety.org.uk

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Contact Us

Honorary Secretary:
Scott O'Neill-Gwilliams
scott.oneill@aecom.com
Tel: 0121 2148194

Meeting Venue

Lectures start 7pm

Lecture Theatre G31, Dept of
Mechanical and Civil
Engineering, University of
Birmingham B15 2TT

Refreshments are available
prior to the meeting in the
Shell lounge, Department of
Mechanical and Civil
Engineering, from 6:15
onwards.

This lecture has been supported by sponsorship from:

ARUP

Monday 7th October 2019

Alexander Lee & Álvaro Sánchez Salmerón, Typsa Carrizal Dam – A Ground Investigation in the Andes

Halfway around the world from head office, in an unforgiving mountain range, a multi-million pound ground investigation was safely delivered to budget and programme. The Carrizal dam ground investigation won a 2019 Ground Engineering Award. This lecture discusses how TYP SA planned, designed, and executed a complex set of site works in a remote corner of the world. These works were necessary to improve the geological and geotechnical understanding of the site of the proposed Carrizal dam.

The Carrizal dam will form part of Bolivia's national strategy to transition to renewable energy sources and to become a net energy exporter to neighbouring countries. TYP SA was involved in the project from desk study stage through to the design phase and successfully managed the ground investigation through a combination of local know-how, expert planning, and a can-do attitude. This lecture covers some of the challenges faced in delivering a complex ground investigation in harsh terrain a long way from home and explains the ways in which they were overcome.

About the speakers:

Alexander Lee is a Chartered Engineer and Chartered Geologist with over 15 years' experience gained in the UK and overseas in a variety of industry sectors. He began his career with Atkins in Birmingham before moving to WSP and then onto TYP SA. Alexander is currently the Geotechnical Manager for TYP SA UK, a subsidiary of TYP SA who are one of the largest engineering consultancies in Spain with offices worldwide.

Álvaro Sánchez Salmerón is a Chartered Engineer based in TYP SA head office in Madrid. He has 5 years' experience on a diverse range of projects including the Carrizal dam project. Álvaro brings first-hand experience of living and working on this project having spent time on site overseeing the ground investigation.

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Upcoming lectures..

Monday 4th November 2019

BS EN 16907 – Europe's first earthworks standard: Enabling a common approach for the future

Peter Gilbert, *Jacobs* & Alan Phear, *Arup*

Monday 2nd December 2019

Young MGS speakers competition

Details will be announced at 7th October meeting and on website.

Monday 6th January 2020

East West Rail P2 - from Ground Investigation to Detailed Design

Anurag Kushwaha and Alex Deltenre, *Atkins*

Monday 3rd February 2020

National Buried Infrastructure Facility

Prof. David Chapman, *University of Birmingham*

Monday 2nd March 2020

CIRIA Abandoned mine workings manual

Speakers TBC

Monday 6th April 2020

John Mitchell Award Lecture

Speaker TBC

Monday 4th May 2020

AGM & Environmental Lecture

Speakers TBC, *Arup*