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| **Abstract** University of Birmingham is excited to share their experience of working with industrial partners on large-scale experimental research projects, looking for an answer to current geotechnical questions. Examples of projects carried out at the National Buried Infrastructure (NBIF) will be discussed to explore challenges and innovation in researching capacity of temporary working platforms; a potential of a bentonite supporting fluid replacement with a polymer during construction of bored piles; the effect of train loading on a railway drainage and use of microgravity in detecting underground features. The results of these studies aim to support the industry in making a step-change through informed research, lead to a reduction in material consumption and potential reshaping of some of the geotechnical standards. **Speakers** Professor Ian Jefferson – Professor of Geotechnical Engineering with interests in Geohazards, geo-structures and ground improvement.Dr Thomas King – Research Fellow at NBIF and a geophysicist, with research background in rock mechanics, seismology and gravimetry, with applications towards geo-hazards and civil infrastructure monitoring. Interested in the development of novel strategies for investigating hazard and risk at the boundary between the natural and built environment.Dr Wuzhou Zhai - Experimental Officer at NBIF and a geo-scientist, with research background in geotechnical engineering, especially tunnelling problems. Interested in enhancing resilience and robustness of underground infrastructures.Dr Anna Faroqy – Industrial Fellow at NBIF and a geo-scientist, with research background in soil behaviour, geophysics and sustainability; industrial experience in contaminated land. Interested in reducing environmental impact from ground engineering activities.**This meeting is in person at the University of Birmingham. Details to the left.** |  |

**This season’s remaining lectures...**

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| **Date** | **Speaker/Presentation** |
| 4th Mar 24 | **Ian Gardner, Hydrock***All things E’* |
| 8th Apr 24 | John Mitchell Award Lecture 2022**Professor Michael Winter, Winter Associates** *Road Asset, Socioeconomic and Fatality Risk from Debris Flow* |
| 13th May 24 | **Alan Phear, Arup***Sustainable Design in Earthworks* |

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