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HKIE THE HONG KONG INSTITUTION OF ENGINEERS 香港工程師學會
Geotechnical Division 岩土分部

Department of Civil and Environmental Engineering 土木及環境工程學系

Future underground construction: Intelligent sensing systems

This presentation explores the integration of smart sensing systems in underground construction, highlighting their impact on transforming traditional methodologies. The discussion will also focus on advanced technologies leveraging artificial intelligence and sophisticated sensor networks to optimise various aspects of subterranean infrastructure development. Through real-world case studies from the UK, the presentation will analyse how these intelligent sensing systems are contributing to substantial improvements in safety, efficiency, and sustainability within underground construction projects. Additionally, we will explore the implications of these innovations for future urban development and their broader environmental impact.

Prof Brian Sheil

Director, Centre for Smart Infrastructure and Construction,
Laing O'Rourke Associate Professor in Construction Engineering,
University of Cambridge

Date: 10 October 2024 (Thu)
Time: 7:00 pm to 8:30 pm
Fee: Free of charge
Venue: Lecture hall BC203,
The Hong Kong Polytechnic University
Register: https://forms.gle/kff73Sr6Fywu8SfG8
Attendance certificate will be provided

Scan to register