

## Géotechnique Symposium in Print 2017 Tunnelling in the Urban Environment

Institution of Civil Engineers, 14<sup>th</sup> September 2017

To register visit: [www.ice.org.uk/geosip2017](http://www.ice.org.uk/geosip2017)

Time	Topic	Speaker
09:00 – 09:45	<i>Registration and coffee</i>	
09:45 – 10:00	Introduction from SiP Chair	Prof. Lidija Zdravkovic <i>Imperial College London, UK</i>
<b>Session 1</b>		
<b>Greenfield tunnelling</b>		
10:00 – 10:20	Measured short-term subsurface ground displacements from EPBM tunnelling in London Clay	Dr Jamie Standing <i>Imperial College London, UK</i>
10:25 – 10:45	Twin-tunnelling induced changes to clay stiffness	Dr Sam Divall <i>City University of London, UK</i>
<b>Effect of tunnelling on surface structures</b>		
10:50 – 11:10	Protecting sensitive constructions from the impact of tunnelling: the case of world heritage buildings in Barcelona	Prof. Alberto Ledesma <i>UPC Barcelona, Spain</i>
11:15 – 11:45	<i>Coffee break</i>	
11:45 – 12:05	Finite element modelling for the assessment of tunnel-induced damage to a masonry building	Wing Nam Yiu <i>University of Oxford, UK</i>
12:10 – 12:30	Influence of building characteristics on tunnelling-induced ground movements	Dr Matthew DeJong <i>University of Cambridge, UK</i>
12:30 – 13:00	Discussion	Chair: Peter Wright <i>CH2M, UK</i>
13:00 – 14:00	<i>Lunch</i>	
<b>Session 2</b>		
<b>Effect of tunnelling on existing tunnels</b>		
14:00 – 14:20	Tunnelling close beneath an existing tunnel in clay – perpendicular undercrossing	Prof. Lord Mair <i>University of Cambridge, UK</i>
14:25 – 14:45	Numerical investigation of the effects of tunnelling on existing tunnels	Prof. David Potts <i>Imperial College London, UK</i>
<b>Effect of tunnelling on pile foundations</b>		
14:50 – 15:10	Response of full-scale pile to EPBM tunnelling in London Clay	Dr Dimitrios Selemetas <i>Cementation Skanska Ltd., UK</i>
15:15 – 15:45	<i>Coffee break</i>	
15:45 – 16:05	Open-face tunnelling effects on non-displacement piles in clay	Dr Michael Williamson <i>Mott MacDonald Ltd., UK</i>
16:10 – 16:30	Eurocode 7-based design of SCL tunnels by means of numerical analysis	Prof. Helmut Schweiger <i>Graz University of Technology, Austria</i>
16:30 – 17:00	Discussion	Chair: Dr Felix Schroeder <i>Geotechnical Consulting Group, UK</i>
17:00 – 17:15	Closing remarks from SiP Chair	Prof. Lidija Zdravkovic <i>Imperial College London, UK</i>