

**Safeguarding existing cast iron tunnels: current practice,  
case studies and research**

**A seminar on tunnelling at Imperial College London  
3:30 – 8:30 pm 24<sup>th</sup> April 2024**

**Chair:**

**Katerina Tsiampousi, Imperial College London**

<b>Welcome coffee</b>		<b>3:30 – 4:00</b>
<b>Session 1</b>		<b>4:00 – 5:20</b>
Ground movement impacts on London Underground Tunnel Infrastructure – A client’s view	Farid Achha <i>TfL, UK</i>	4:00 – 4:20
Response of circumferential joints in cast iron tunnels to ground movements	Mike Devriendt <i>Arup, UK</i>	4:20 – 4:40
Monitoring deformations in cast iron tunnel segments	Andrew Ridley <i>Geotechnical Observations, UK</i>	4:40 – 5:00
<i>Discussion</i>	All	5:00 – 5:20
<b>Coffee break</b>		<b>5:20 – 5:50</b>
<b>Session 2</b>		<b>5:50 – 7:20</b>
Advances in integrated tunnelling digital workflows	Sandro Brasile <i>Seequent – The Bentley Subsurface Company, The Netherlands</i>	5:50 – 6:10
Research project investigating the effect of tunnelling on existing tunnels	Jamie Standing <i>Imperial College London, UK</i>	6:10 – 6:30
Accounting for the influence of tunnel joints in preliminary and detailed assessments	Agustín Ruiz López <i>Imperial College London, UK</i>	6:30 – 7:00
<i>Discussion and concluding remarks</i>	All	7:00 – 7:20
<b>Networking event</b>		<b>7:20-8:30</b>

**Venue:**

Imperial College London, Department of Civil & Environmental Engineering  
Skempton Building, London SW7 2BU

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