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

A seminar on tunnelling at Imperial College London
3:30 – 8:30 pm 24th April 2024

Chair:
Katerina Tsiampousi, Imperial College London

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

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

LT 164 – ground floor, Skempton Building