

# Australian Tunnelling Society

## SHORT COURSE 2022

26 & 27 May 2022  
Hyatt Regency Sydney

### ATS SHORT COURSE 2022 FINAL SCHEDULE

	TIME	THURSDAY 26 MAY 2022	FRIDAY 27 MAY 2
<u>Morning Session 1</u> Wharf Room	8:30am	Welcome address and Welcome to country <b>Alexandre Gomes (SMEC)</b>	<i>ATS Tunnelling Design Guideline Overview</i> <b>Brodie Aitchison (ATSym)</b>
	8:45am	<i>History of tunnel construction and use of the underground space</i> <b>Alex Gomes (SMEC)</b>	<i>IMT Tunnelling</i> <b>Jonathan Baber (Mott Macdonald)</b>
	9:30am	<i>Risk Management in tunnelling</i> <b>Arnold Dix (ALARP)</b>	<i>Microtunneling</i> <b>Ben Crosby (Bamser)</b>
	10:15am	<b>MORNING TEA</b>	<b>MORNING TEA</b>
<u>Morning Session 2</u> Wharf Room	10:45am	<i>Site Investigation, Geotechnical Interpretation, and Ground Model for Soil and Rock</i> <b>Helen Baxter / Richard Kelly (SMEC)</b>	<i>Tunnel Operations and Maintainability considerations</i> <b>Peter Redwin (Transurban)</b>
	11:20am	<i>Conventional Mined Tunnel Excavation</i> <b>Ulrike Pelz (GHD)</b>	<i>Fire life safety / Ventilation Design</i> <b>Jessica Keogh (CPB Contractors)</b>
	11:55am	<i>TBM Tunnelling</i> <b>Charles Howarth (Herrenknecht)</b>	<i>Delivering Work Health and Safety in Tunnelling</i> <b>Kate Cole OAM (Cole Health)</b>
<b>BREAK</b>	12:30pm	<b>LUNCH</b>	<b>LUNCH</b>
<u>Afternoon Session 1</u> Wharf Room	1:15pm	<i>Observational Approach</i> <b>Thomas Roper (Acciona) and Phil Clark (TfNSW)</b>	<i>Hydrogeology and Groundwater Control</i> <b>Katarina David (TfNSW)</b>
	1:50pm	<i>Ground movements, I&amp;M and Building Impact Assessment</i> <b>Diane Mather (ARTC)</b>	<i>Waterproofing</i> <b>Victor Ngo (Master Builders/Bluey)</b>
	2:25pm	<i>Tunnel Spaceproofing</i> <b>Mark Sheffield (Aurecon)</b>	<i>Ground improvement</i> <b>Christian Bodner (Aurecon)</b>
<b>BREAK</b>	3:00pm	<b>AFTERNOON TEA</b>	<b>AFTERNOON TEA</b>
<u>Afternoon Session 2</u> Wharf Room	3:30pm	<i>Ground Support Design</i> <b>David Oliveria (Jacobs)</b>	<i>Procurement of underground construction</i> <b>Matt Frewer (Connell Griffin)</b>
	4:05pm	<i>Segmental Lining Design</i> <b>Ritesh Mahajan (WSP)</b>	<i>Use of BIM in Tunnelling</i> <b>Mitch Erikson (John Holland)</b> <b>Kyle Forlong (John Holland)</b>
	4:40pm – 5:15pm	<i>Project case study: Alpine Tunnelling</i> <b>Remo Crapp (Lombardi)</b>	<b>Short Course Close</b>
<u>Networking Reception</u>	6:00pm	<i>ATS Short Course Networking Event</i> <b>CAFÉ DEL MAR</b> Rooftop Terrace, Cockle Bay Wharf <i>(5 mins walk from Hyatt Regency Sydney)</i>	