



Two-day Workshop
Shotcrete Developments 2022
November 16-17, 2022
Novotel Sydney Central Hotel, Sydney NSW

Shotcrete has become established as an essential component of most underground space development. Recent years have seen a large increase in the amount of shotcrete used for civil infra-structure in Australia. The volume of work and demands for sustainability and price control have presented new challenges for suppliers, contractors, and specifiers involved with this material. The evolution of shotcrete technology over recent years, plus the large number of new people in the industry, has heightened the need for an update on new products, processes, and methods related to shotcrete application available within the industry.

In response to these demands, the Australian Shotcrete Society has organised a two-day workshop to be held on November 16-17, 2022, at the Novotel Sydney Central Hotel, Sydney. The workshop will cover a range of topics related to developments in shotcrete for ground support in Australia. The format will comprise a first day of lectures covering the essentials of shotcrete technology for all applications, followed by a second day focused on more advanced aspects of shotcrete relevant to civil tunnels and infra-structure. There will be eight lectures each day with interspersed sessions to allow questions and discussions to be raised. A workshop dinner is planned for the evening of the first day. Sponsorship opportunities are available.

Programme – Day 1

Time	Item	Speaker
9.00	Workshop Opening, and Mix Design for Underground Shotcrete	Jurij Karlovsek
9.30	Admixtures and Activators	Ryan Salter
10.20	Fibres and Reinforcement	Tony Cooper
10.50	Testing and QA/QC for shotcrete	John Kennedy
11.30	Discussion	All
12.30	Lunch	
1.30	Certification of Sprayers	Des Vlietstra
2.00	History of Shotcrete in Australia	Stefan Bernard
2.50	Shotcreting Equipment	Matthias Reinhold
3.20	Surface Finishes	Matthew Hix
3.50	Discussion	All
4.30	Close	
6.00	Drinks and Workshop Dinner	

Programme – Day 2

Time	Item	Speaker
9.00	Evolution of B82 Shotcrete Specification	Phil Clark
9.30	Sustainability of Shotcrete Mixtures	David Hocking
10.20	Changes to SCM Supply	Craig Heidrich
10.50	Liability Issues Related to Shotcrete	Arnold Dix
11.20	Discussion	All
11.50	Lunch	
12.50	Avoiding Shrinkage Cracks	Christian Bodner
1.20	Waterproofing of Shotcrete – Is it Possible?	Harry Asche
1.50	Waterproofing Systems	Ulrike Pelz
2.50	Lining Analysis Methods	David Oliveira
3.30	Fire Resistance of Shotcrete	Todd Clarke
4.10	Discussion	All
5.00	Close	

The cost for attendance at the workshop is **\$300** per delegate for one day, or **\$500** for two days. An additional fee of **\$60** is payable for the workshop dinner. The Australian Shotcrete Society is not registered for GST so GST is not applicable on workshop fees. The society is affiliated with Engineers Australia and attendance at the workshop will count as toward Continuing Professional Development. Accommodation is available at the Novotel Sydney Central hotel, and numerous nearby establishments. The cost of accommodation is not included in the cost for attendance. Contact Stefan Bernard on 0418-407-892 for technical queries, and the following website for further details and registration.

Link to: <https://www.shotcretesociety.com.au/events/155-shotcrete2022>

