

PREFACE

The 12th International Conference on Shotcrete for Underground Support (ECI SUS XII) will be held in Singapore this year. This event is co-organized by Engineering Conferences International (ECI), and NTU-JTC Industrial Infrastructure Innovation Centre, the Society of Rock Mechanics and Engineering Geology (SRMEG), International Tunnelling and Underground Space Association (ITA-AITES) and Studiengesellschaft für unterirdische Verkehrsanlagen mbH (STUVA).

ECI SUS XII aims to pool the consolidated efforts from engineers, researchers and project managers from across the world in order to share and update state-of-the-art technology and best practices in rock engineering, rock support methods, TBM tunnelling and deep excavation.

TOPICS

- + Developments in shotcrete technology for soft ground tunnelling & subsea tunnels
- + Developments in TBM, deep excavation and underground space technology
- + Shotcrete reinforcement design
- + Mechanical properties of shotcrete under elevated temperature and corrosion environment
- + Methods & equipment for shotcrete installation
- Laboratory tests, on-site quality control and repair of shotcrete
- + Numerical simulation of tunnel support with shotcrete
- + TBM tunnelling in challenging ground conditions
- + Developments in rock tunnelling and rock blasting

- + Grouting and water control for tunnels
- + Application of Eurocodes in tunnelling
- + New technology in rock exploration and site investigation
- + Developments in fibre reinforced shotcrete
- + Case studies

KEY DATES

01 May 15 | Abstract of paper or presentation due
15 May 15 | Acceptance of abstract
01 June 15 | Registration begins
15 Sept 15 | Submission of presentation slides
30 Sept 15 | Acceptance of presentation slides

ABSTRACT SUBMISSION

Abstracts of not more than 300 words must include the title of the presentation, name of presenter, e-mail address and affiliations. All submissions must be in English and should be made via the online submission system found at http://www.engconf.org/15AV. The required file format for abstract is MS Word (docx or doc) in a single file for each submission.

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SINGAPORE | EAST MEETS WEST & OLD MEETS NEW

With its humble beginnings as a mere fishing village, the modern history of Singapore began in 1819, when Sir Thomas Stamford Raffles established a British port on the island, which was then known as Temasek, which means "sea port" in Javanese.

From skyscrapers to subterranean developments such as the modern subway system or the recently constructed 150m-deep Jurong Rock Caverns, Singapore has been growing steadily into a developed nation as what we know it today.



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the leading international organization promoting the use of tunnels and underground space through knowledge sharing and application of technology

Since 1974, the International Tunnelling and Underground Space Association has grown to a federation of 71 Member Nations, acquire a consultative status with the United Nations Economic and Social Council, developed a network for the worldwide tunneling community, established a platform for the developing of new technologies, brought awareness of the possibilities for underground space to decision makers, encouraged safety throughout at all levels of the industry and established a training program.

Through its partnership and collaboration with the UN, World Bank and other International Associations, ITA is actively working for a better, safer and sustainable use of underground space.

We would like to thank our Prime Sponsors of supporting ITA allowing us to reach these achievements.































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