

INTERNATIONAL CONFERENCE ON SHOTCRETE FOR UNDERGROUND SUPPORT 2019

New Developments & Technologies in
Rock Engineering, Tunneling, Deep
Excavation and Underground Space



17–20 November 2019

Nong Nooch Garden, Pattaya

THAILAND

PREFACE

Engineering Conferences International (ECI) together with support from Thailand Underground and Tunneling Group (TUTG), International Tunneling and Underground Space Association (ITA-AITES) and Studiengesellschaft für unterirdische Verkehrsanlagen GmbH (STUVA) organizes **The 14th International Conference on Shotcrete for Underground Support (ECI SUS XIV)** in Pattaya, Thailand.

The conference, ECI SUS XIV, targets on consolidating all efforts from engineers, researchers and project managers across the continents over the world to share and update technologies and best practices in rock engineering, rock support methodology, TBM tunneling and deep excavation to both industrial and public organizations.

TOPICS

- Modern technologies for rock exploration and site investigation
- The use of state of the art laser systems for scanning of tunnel excavation & tunnel lining as well as 3 dimensional modelling of geological conditions
- Technical and logistic improvements for rock tunneling and rock blasting
- Shotcrete technologies for hard rock and soft ground tunneling as well as subsea tunnels
- State of the art of mechanized tunneling using TBM (Tunnel Boring Machine) technologies in challenging ground conditions

- State of the art application methods & equipment for shotcrete installation
- Laboratory testing and on-site quality control
- Structural design of shotcrete lining using multi-layer shotcrete
- Application of Eurocode design standards in tunneling
- State of the art design and new developments using fiber reinforced shotcrete
- Numerical simulation of tunnel support with shotcrete
- Mechanical properties of shotcrete installation under elevated temperature and in corrosive environments
- Ground water control and grouting for tunnels designed with shotcrete lining
- Interaction between shotcrete lining and different types of sealing systems
- Rehabilitation and reinforcement of existing shotcrete lining and tunnel repair

KEY DATES

01 Jul 19	Registration Open
17 Nov 19	Conference Check-in
18 Nov 19	Conference Registration
20 Nov 19	Last day of conference



- ♦ Prof. Can
- ♦ Prof. Con
- ♦ Mr. David
- ♦ Prof. Diet
- ♦ Prof. Elvi
- ♦ Mr. Felix
- ♦ Prof. Gol
- ♦ Mr. Guoj
- ♦ Mr. Harv
- ♦ Prof. Helr
- ♦ Prof. Heri
- ♦ Dr. -Ing.

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COCHAIR :
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