ICTUS19 Tunnels connecting to another world

Tunnels connecting to another world asem19.org

ICTUS19
The 2019 International Conference on Tunnels and Underground spaces
Tunnels connecting to another world
September 17-21, 2019
ICC Jeju, Jeju Island, Korea

VENUE INFORMATION
Host Country - Korea
Korea is, indeed, "A different Asia" with its own language, letters, custom and unique culture whose people are noted for their generosity, friendliness and warmth. It is populated with 50 million people and has rebuilt itself from the devastation of Korean War achieving economic miracle in just 50 years.
Korea today is a fascinating place whose 5,000 year-old culture and history are blended harmoniously with its modern atmosphere. Take your time to taste a full of Korea for the best trip ever in your life.

CONFERENCE VENUE-ICC Jeju

INTERNATIONAL SCIENTIFIC COMMITTEE
Prof. Jamal Rostami (USA)
Prof. Thomas Marcher (Austria)
Prof. Antonio Bobet (USA)
Prof. Julio Montañez (Colombia)
Prof. Antonio Bobet (USA)
Prof. Joung Oh (Australia)
Prof. Jinxiu (Jenny) Yan (China)
Prof. Hyungjoon Seo (China)
Prof. BooHyun Nam (USA)
Prof. Krishna Kanta Panthi (Norway)
Prof. Eunhye Kim (USA)
Prof. Jamie Standing (UK)

LOCAL ORGANIZING COMMITTEE
Chairs of LOC
Prof. Yong-Joo Lee (Director of KTA)

LOC Chair
Prof. HanKyoo Yoo
President of KTA

LOC Chair
Prof. Byeong Doo Son
Vice President of KTA

POSTER SESSION
POSTER SESSION 10:00~18:00 / ICC JEJU 3rd Fl. Conference Hall Lobby
Poster Presentations: 15:30~17:00
Optimized waterjet parameters for overcutting generation of TBm
Tae-Min Oh (Korea)*, Gye-Chun Cho, Yohan Cha
Application of Modern Rock TBm for the construction of Dobongsan-Okjeong tunnel, Korea
Seung-Joo Kwak (Korea)*, Joo-Don Kim, Yong-Deck Park
Change of Groundwater inflow by Cut-off Grouting Thickness and Permeability Coefficient
Youngsang Kim, Joon-Shik Moon (Korea)*
Stability evaluation of a double-deck tunnel with a diverging section
Yong-Joo Lee (Kangwon Nat’l Univ.)*
3D Numerical Simulations of Stress and Strain Properties of Soil Shield Tunnel during Excavation
Tang Pan (China)*, Huang Jingyu
Numerical analysis of the mechanical behavior of rocks under the blasting induced vibration
Myung Su Kim
Effect evaluation of TBm disc cutters using the discrete element method
Cheol-Ju Lee (Kangwon National University), Cho Min-Ho, Yoo Hyun-Sung
Deformation Pattern of Tunnel Bottom after Tunnel Construction in geological conditions of long-term
Seung-Joo Kwak (Korea)*, Myung Su Kim
Quantitative Assessment of Depth and Extent of North Strike Failure in Deep Tunneling using In-situ Statistical Analysis
Young-Joo Lee (Korea)*, Yu Chul Lee, Myung Su Kim
Analysis of excessive displacement behaviour under excessive of tunnel bearing in a large-scale fault clay
Young-Joo Lee (Korea)*, Seung-Soo Kim, Myung Su Kim
Beau-spring analysis combined with back analysis algorithm for tunnel stability under operation
Young-Joo Lee, Myung Su Kim, Young-Joo Lee
Modeling of Rock Cracking Using Expansion of Discontinuous Model
Cheol-Joo Lee, Jun Hyung Lee, Joon-Hee Bok
The experimental investigation on the stress-strain influence on rock dynamic behaviours under freeze-thaw cycles
Lee Chul-Hi, Lee, Joon-Hee Bok
Choosing effective design solution for lining offsite hydraulical structure to shell ground
Ludmila Aristova

SPONSOR

DAEWOOG &

Dongbu Corporation

Hanwha E&C

KOLON GLOBAL CORP.

TAEYOUNG E&C

AESEM19.org

Organized by Korean Tunnelling and Underground Space Association
Endorsed by KTA, TUNNINGS Choice

ICTUS19
The 2019 International Conference on Tunnels and Underground Spaces

September 17-21, 2019
ICC Jeju, Jeju Island, Korea
The 2019 International Conference on Tunnels and Underground spaces

WEDNESDAY, SEPTEMBER 18, 2019

09:00~09:10
OPENING

Chair: Lee

Structural and Hydraulic Interaction in Underground Structures

10:30~12:00
SESSION H4D

Co-chair:

Moon

Co-chair:

Cheol-Ju Lee

Earthquake Risk Assessment of Cut-and-Cover Underground Railway Station

Inv mendence and vibrations analysis of deep tunnels

13:00~14:30
SESSION W5D

Prof. Thomas Marcher

Chair:

Lee

Improvements in Conventional Tunnelling & Tunnelling and Underground Works in Extreme Conditions

14:30~14:50
COFFEE BREAK

14:50~16:50
SESSION H4D

Co-chair:

Moon

Co-chair:

Cheol-Ju Lee

Rock-support interaction analysis for tunnels in generalized strain-softening mohr-coulomb rock masses considering the dead weight loading

16:50~18:00
SESSION W5D

Prof. Thomas Marcher

Chair:

Lee

Improvements in Conventional Tunnelling &
Tunnelling and Underground Works in Extreme Conditions

18:00~20:00
DINNER (OCEAN VIEW in ICC JEJU 5th Fl.)

THURSDAY, SEPTEMBER 19, 2019

09:00~09:10
OPENING

Chair: Lee

10:00~10:30
COFFEE BREAK

10:30~12:00
SESSION W6D

Co-chair:

Brian Uy

Chair:

Jin-Ouk Park

A study on the behaviour of single piles adjacent to TBm tunnel boring machine: A full-scale test and finite element analysis

12:00~13:00
LUNCH (OCEAN VIEW in ICC JEJU 5th Fl.)

13:00~13:30
SESSION H4D

Co-chair:

Moon

Co-chair:

Cheol-Ju Lee

Improvements in Conventional Tunnelling &
Tunnelling and Underground Works in Extreme Conditions

13:30~15:30
SESSION W6D

Co-chair:

Brian Uy

Chair:

Jin-Ouk Park

A study on the behaviour of single piles adjacent to TBm tunnel boring machine: A full-scale test and finite element analysis

15:30~17:00
SESSION H4D

Co-chair:

Moon

Co-chair:

Cheol-Ju Lee

Improvements in Conventional Tunnelling &
Tunnelling and Underground Works in Extreme Conditions

17:00~19:30
REGISTRATION

19:30~20:00
GRAND DINNER (OCEAN VIEW in ICC JEJU 5th Fl.)