



	14/06/2024, Friday
15:00-18:00	Registration and welcome reception
	15/06/2024, Saturday
8:45-9:00	Opening Ceremony Honorary Chair: Dr. Ao Peng Kong, LECM TC204 Chair, Prof. Giulia Viggiani, University of Cambridge ISSMGE President/Representative
9:00-9:45 (45 mins)	Keynote Lecture: Exploiting the Renewable Energy Resources of Our Cities' Underground <i>Prof. Lyesse Laloui</i> <i>Swiss Federal Institute of Technology (EPFL)</i>
9:45-11:05 (80 mins)	Plenary Session 1:
	General report: Basic Properties and Soil Improvement in Soft Ground <i>Prof. Shuying Wang, Shenzhen University</i>
	Analysis of Soil Clogging of TBM Tunneling in Clayey Layers and the Role of Soil Compositions <i>Gang Wang, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences</i>
	Improved Determination of the Constrained Modulus in Soft Soils Using the Flat Dilatometer Test <i>Simon Oberhollenzer, Norwegian Geotechnical Institute</i>
	Permeability and Strength of Sand-bentonite Mixture Stabilized By Different Binders for Construction of Two-phase Cut-off Walls <i>Mattnew Zhi Yeon Ting, Nanyang Technological University</i>
11:05-11:25 (20 mins)	Coffee break
11:25-12:10 (45 mins)	Fujita Lecture: Interactions at the Front Face of EPB Shield When Drilling in Sand <i>Prof. Adam Bezuijen</i> <i>Ghent University</i>

12:10-12:45 (35 mins)	Bright Spark Lecture: Resilience Assessment of Tunnels: Framework and Application for Tunnels Exposed to Seismic Hazard <i>Ass. Prof. Zhongkai Huang</i> <i>Tongji University</i>
12:45-14:00 (75 mins)	Lunch break
14:00-15:20 (80 mins)	Plenary Session 2:
	General Report: Field Case Studies <i>Assoc. Prof. Daniela Boldini, Sapienza University of Rome</i>
	Modelling of Large Diameter TBM Tunnelling Beneath New Reclamation <i>Siew Wei Lee, Golder Associates (Hong Kong) Limited</i>
	Investigating Transient Tunnelling-induced Ground Surface Responses <i>Shuai Xue, Imperial College London</i>
	Case Study of Soil-structure Interaction during Tunnelling for Barcelona Metro: a Comparison between Conventional and Innovative Displacement Measurements <i>Alessandra Di Mariano,</i> <i>Universitat Politècnica de Catalunya · Barcelona Tech</i>
15:20-15:40 (20 mins)	Coffee break
15:40-17:00 (80 mins)	Plenary Session 3:
	General Report: Constitutive and Numerical Modelling <i>Prof. Zhenyu Yin, The Hong Kong Polytechnic University</i>
	Effect of Infill Nonlinearity on Frame Response to Tunnelling <i>Yalin Yu, Qilu Institute of Technology</i>
	3D Numerical Modelling of a Compensation Grouting Field Trial in Alluvial Soils <i>Edoardo Lusini, Sapienza University of Rome</i>
	A Continuum Analysis of Piles Affected by an Advancing Tunnel Excavation during Centrifuge Tests with a Miniature TBM <i>Eugene Kwan Lok Wong, University of Cambridge</i>
17:00-17:45 (45 mins)	Keynote Lecture: Learning from Failures in Shallow NATM Tunnel <i>Prof. Wei Wu</i> <i>Universität für Bodenkultur (BOKU)</i>
19:00	Conference Banquet

	16/06/2024, Sunday
8:45-9:30 (45 mins)	Keynote Lecture: Three Implementations to Reduce Geotechnical Risk on Underground Projects using Information Engineering and AI <i>Prof. Michael Mooney</i> <i>Colorado School of Mines</i>
9:30-10:50 (80 mins)	Plenary Session 4:
	General Report: Sustainability and Resilience of Underground Infrastructure <i>Ass. Prof. Andrea Franza, Aarhus University</i>
	Spatial Variability for Deep Cement mixing in Kallang Formation in Singapore. Review of Scale of Fluctuation and its Influence in Design <i>Gerardo Agustin Pittaro, Mott MacDonald (Singapore)</i>
	An ArcGIS Toolbox for the Probabilistic Performance-based Assessment of Surface Building Damage in Large-scale Urban Excavations <i>Jinyan Zhao, UC Berkeley</i>
	Structural Resilience Assessment Method for Tunnels under Seismic Hazards <i>Chenlong Zhang, Tongji University</i>
10:50-11:10 (20 mins)	Coffee break
11:10-11:55 (45 mins)	Keynote Lecture: Deformation of Shield Tunnels subjected to Underlying Tunneling <i>Prof. Renpeng Chen</i> <i>Hunan University</i>
11:55-12:35 (40 mins)	Poster presentations
12:35-13:50 (75 mins)	Lunch break
13:50-15:30 (100 mins)	Plenary Session 5:
	General Report: Innovative Analysis and Design in Tunneling and Underground Construction <i>Prof. Dongmei Zhang, Tongji University</i>
	Algorithm on Setting Correction Alignment for TBM Meandering <i>Huynh Le Chu An, Nagaoka University of Technology</i>
	Dynamically Updating Geological Uncertainty Simulation with the Process of Tunnel Excavation <i>Jinzhang Zhang, Tongji University</i>
	Settlement Prediction of the Hong Kong-Zhuhai-Macau Bridge Tunnel Under the Effect of Typhoon <i>Shuyu He, University of Macau</i>
	Soil Disturbance Evaluation in a Typical Soft Clay Excavation Pit <i>Muzhi Li, Zhejiang University</i>

15:30-15:50 (20 mins)	Coffee break
15:50-17:10 (80 mins)	Plenary Session 6:
	General Report: Smart Monitoring and Visualization Technologies for Tunneling and Underground Construction <i>Assoc. Prof. Mohammed Zein Elabidin Babiker Elshafie, Qatar University</i>
	Control of Grouting in the Bedrock and Soil in Vicinity of Tunnels and Construction Pits, Case Study: E18, Oslo, Norway <i>Siamak Feizi, Norwegian geotechnical Institute</i>
	Least Squares Adjustment Approach in Real-time Monitoring of Existing Twin Tunnels <i>Khac Hai Phan, Geotech-Science Co., Ltd. (New Taipei City)</i>
	Coupled Centrifuge-numerical Modelling of Shallow Strip Foundations <i>Chuanjin Tang, University of Nottingham</i>
17:10-17:55 (45 mins)	Keynote Lecture: Smart Monitoring of Tunnels <i>Prof. Wout Broere Delft University of Technology</i>
17:55	Closing Ceremony
	17/06/2024, Monday
	Field trip