

2025 Taiwan Rock Engineering and Engineering Geology Symposium

2nd Circular

16-17 Oct. 2025, Taichung, Taiwan
Humanities Building, National Chung Hsing University

Important Dates

Early bird registration: 30 August
Registration deadline: 15 September



Organizer:

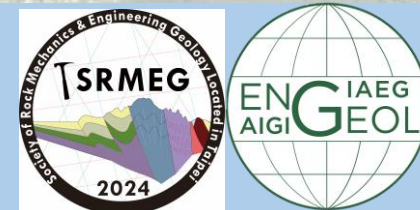
Department of Civil Engineering, NCHU

Department of Soil & Water Conservation, NCHU

Society of Rock Mechanics and Engineering Geology located in Taipei

<https://sites.google.com/view/geo2025/>

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Scope and Subtopics

- A. Rock Mechanics: Rock discontinuities, mechanics of rock masses, hydraulic properties, and others.
- B. Rock Engineering: Rock tunnels, rock slopes, foundation engineering, and others.
- C. Engineering Geology: Site investigation, geological resources, geological environment, and others.
- D. Emerging Fields: Geological energy, net-zero emissions and carbon sequestration-related engineering, applications of artificial intelligence, offshore wind turbine foundations, and others.
- E. Geological Hazards: Debris flows, large-scale landslides, soil and water conservation engineering, and others.

Keynote speech

Professor Ki-Bok Min, Vice-President of ISRM

Chin-Lun Wang, Deputy Director, Agency of Rural Development and Soil and Water Conservation, MOA

Distinguished Professor Keh-Jian Shou, Department of Civil Engineering, NCHU

Dr. Andrew Ka Ching Chan, Deputy Chairman of Arup Group Ltd.

International session:

Invited speech (include 30% YEG/WEG)

Organizing Committee

Convener: Professor Keh-Jian Shou, Professor Jui-Ching Chou, Department of Civil Engineering, NCHU

Professor Zheng-Yi Feng, Professor Kuang-Tsung Chang, Professor Ya-Chu Chiu, Department of Soil and Water Conservation, NCHU.

Secretary-General: Professor Yi-Hui Chen, Department of Civil Engineering, NCHU.

Preparatory Committee Members: Tai-Tien Wang, Feng-Ren Wang, Hsi-Hung Lin, Meng-Chia Weng, Che-Ming Yang, Chung-Jung Yu, Fu-Yuan Hsiao, Pei-Chen Jan, Jia-Jyun Dong, Cheng-Yang Yen, Chih-Chung Chung

Oct. 16 2025, Thu.			
Time	Agenda	Speaker	Host
08:30-09:00	Registration	-	-
09:00-09:20	Opening Ceremony, Guest of Honor Speech	-	To be determined
09:20-10:10	Keynote I: The State of the Art in Anisotropic Rock Mechanics - Experimental and Numerical Studies	Pf. Ki-Bok Min	Pf. Meng-Chia Weng
10:10-10:20	Coffee Break	-	-
10:20-11:10	Keynote II: Challenges and Responses to Geological Hazards in Taiwan: Investigations of Debris Flows and Large-Scale Landslides, and the Application of Multi-Modal Monitoring Technologies	Dr. Chen-Yu Chen	Dr. Chin-Lun Wang
11:10-12:00	Keynote III: On the Geomechanical Analysis of Rocks and Gravelly Laterites in Taiwan	Pf. Shou, Keh-Jian	Pf. Jia-Jyun Dong
12:00-13:30	Lunch		
13:30-14:20	Keynote IV: To see the world in a grain of sand	Dr. Andrew Ka Ching Chan	Pf. Tai-Tien Wang
14:20-14:30	Coffee Break	-	-
14:30-16:00	Oral presentation (I), Student competition (I), Student competition (II), Poster presentation (I)	-	-
16:00-17:30	Oral presentation (II), Student competition (III), Student competition (IV)	-	-
17:30-	Banquet (阿秋大肥鵝)		

Oct. 17 2025, Fri.			
09:00-10:45	International session (I), Student competition (V), Student competition (VI), Poster presentation (II)	-	-
10:45-10:55	Coffee Break		
10:55-12:25	International session (II), Student competition (VII), Oral presentation (III)	-	-
12:25-13:30	Lunch		
13:30-15:15	Research Outcome Presentations of NSTC Projects, Oral presentation (IV), Oral presentation (V)	-	-
15:15-15:30	Awards Ceremony and Closing Ceremony	-	-
15:30-17:00	TSRMEG members' meeting	-	-

Recommended view spots
National Taichung Theater
The Taichung Station Railway Cultural Park
National Taiwan Museum of Comics
Teikoku Sugar Factory



Venue: Humanities Building 人文大樓 (College of Liberal Arts 文學院)



Oct. 17 2025				
International session (I)				
09:00-10:45 15min/1 talk	1. 張睿明Jui-Ming Chang_AI Agents with Brainstorm for Light Ensemble Machine Learning in Debris Flow Warning, Illgraben, Switzerland			
	2. Hyuck-Jin Park, Jung Hyun Lee, Intak Hwang_Improving the accuracy of landslide susceptibility assessments through the application of probabilistic back analysis			
	3. Jaehyung Yu, Huy Hoa Huynh_3D Geological Mapping using integrative Lidar and Hyperspectral Remote Sensing Approaches for Complicated Geology Setting			
	4. Jung-Hyun Lee, Hyuck-Jin Park_Landslide Susceptibility Analysis Using Fuzzy Logic-Based Decision-Level Fusion			
	5. Seong-Seung Kang, Jeongdu Noh_Paleostress and Its Tectonic Implication Derived from Calcite Twins in South Korea			
		Room 101	Host: Jui-Ming Chang	

International session (II)				
10:55-12:25 15min/1 talk	6. 吳采容Tsai-Jung Wu_Underwater MASW enhanced by Markov chain Monte Carlo inversion of dispersion spectra			
	7. ShintaroYamasaki_Diversity of Microscopic Structures in Layered Rocks and Physicochemical Processes Involved in Slope Deformation			
	8. Teruyuki Kikuchi_Enhancing Regional Disaster Prevention through Monitoring of Smaller Streams and Rivers Using Long-Term Measurement			
	9. TranDucHuy(陳德輝)_Role of Spatial Borehole Density in Constructing 3D Heterogeneous Hydrogeological Models			
	10. Satoshi Murao_Present status and prospect of the Japanese Society of Geo-pollution Science, Medical Geology and Urban Geology			
		Room 101	Host: Tsai-Jung Wu	