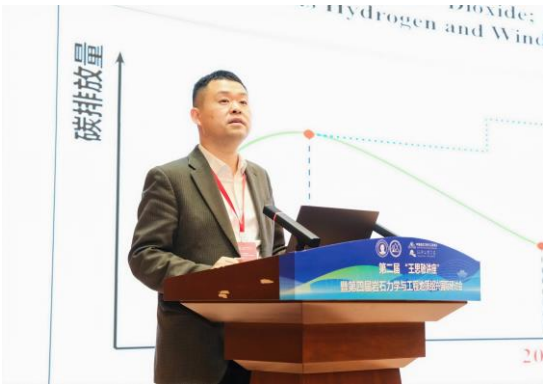
The 2nd Wang Lecture and the 4th Shaoxing International Symposium on Rock Mechanics and Engineering Geology Successfully Held in Shaoxing

On April 12-13, 2025, the 2nd Wang Lecture and 4th Shaoxing International Symposium on Rock Mechanics and Engineering Geology were successfully held at Shaoxing University, China. The event honored Academician Wang Sijing, a distinguished scholar in engineering geology, environmental geology and rock mechanics. As a member of the Chinese Academy of Engineering and recipient of the Hans Cloos Medal, Academician Wang previously served as Director of the Energy and Mining Engineering Division at the Chinese Academy of Engineering, and held leadership positions including President and Vice President of the IAEG.

The opening ceremony featured a special video titled *Wang Sijing and Engineering Geomechanics*, which reviewed the exemplary life of Academician Wang Sijing. Prof. Wu Faquan, Secretary-General of the IAEG and Chairman of the IAEG China National Group, delivered a keynote report titled *Wang Sijing and Engineering Geomechanics*. The report systematically introduced Academician Wang's unique methodological approach to engineering geomechanics, his synthesis of comprehensive theories in the field, and his leadership in bringing Chinese engineering geology to the international stage. It also celebrated his scientific spirit—dedicated to fulfilling his mission, serving the nation, pursuing truth tirelessly, and nurturing future generations.

On April 12, the Wang Sijing Lecture featured 10 invited presentations. Academician He Manchao from China University of Mining and Technology (Beijing) presented on *The Principle of Mine Pressure Transformation in Mining Engineering Geomechanics*; Academician Du Shigui from Ningbo University delivered a report titled *Safety Strategies for Deep Open-Pit Metal Mine Slopes*; Academician Zhu Hehua from Tongji University discussed *Development Trends and Applications of the*

Generalized Zhang-Zhu (GZZ) 3D Rock Mass Strength Theory; Academician Zhou Chuangbing from Nanchang University presented *Performance Evolution and Safety Control of High Slopes in Hydropower Projects*; Prof. Zhu Wancheng from Northeastern University spoke on *Green Mining Technologies for Open-Pit Mines in Alpine and Ecologically Fragile Regions*; Prof. P. G. Ranjith from Monash University, Australia, presented *Eco-Friendly Rock Breaking with SREMA: The Key to Sustainable Mineral Recovery*; Researcher Qi Shengwen from the Institute of Geology and Geophysics, Chinese Academy of Sciences, shared *New Advances in Engineering Geomechanics: From Rock Structure Mechanics to Rock Structure Dynamics*; Prof. Jiao Yuyong from Sun Yat-sen University discussed *Key Technologies for Disaster Prevention and Control in Drill-and-Blast Tunnel Construction*; Master Xu Zailiang from China Railway Design Group Co., Ltd. presented *Research on Major Engineering Geological Issues of the BH Strait Cross-Sea Channel*; and Prof. Zhang Fengshou from Tongji University delivered a report titled *Frictional Mechanical Properties of Faults Under Extreme Environments*.



On April 13, the Shaoxing International Symposium featured outstanding presentations by renowned experts from around the world. Dr. Nick Barton delivered a report titled *GSI or JRC Is a Fundamental Choice with Several Major Consequences*; Prof. Rafig Azzam, former President of the IAEG, presented *Engineering Geomechanics—Status Quo Development*; Prof. Tang Minggao from Chengdu University of Technology discussed *Challenges and Approaches in Geohazard Research on the Tibetan Plateau*; Prof. Haris Saroglou, IAEG RWP, presented *The Challenge of Rock Mass Classification of Anisotropic Rock Masses*; Prof. Wu Zhijun spoke on *FDEM Analysis and Prediction Methods for Rock Fracture and Their Engineering Applications*; Prof. Ye Jianhong introduced *Typical Features and Engineering Applications of the Domestically Developed Marine Geotechnical Software FssiCAS*; and Prof. Bao Han presented *New Advances and Applications in Statistical Rock Mass Mechanics*.

At the closing ceremony, Wu Faquan delivered concluding remarks. He noted that the conference was a grand academic event, with over 500 attendees on-site and 58,000 viewers via video and live streaming. The symposium brought together leading scholars in rock mechanics and engineering geology from around the world to engage in in-depth discussions on cutting-edge issues and innovative developments in engineering geomechanics. It also provided a broad platform for global experts to exchange ideas, inherit, and promote Academician Wang Sijing's academic philosophy and scientific spirit.