

## Keynote 2

### Professor Qihu Qian

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#### Keynote Title

Lessons Learned from Design of  
Surrounding Supports in  
Rock Mass with High In-situ  
Stresses



Professor Qihu Qian, graduated from the Harbin Military Engineering Institute and got his engineering bachelor's degree in 1960. As a postgraduate student, he graduated from Moscow Gobichev Military Engineering Academy in the former Soviet Union and got his candidate doctor's degree in 1965. He was appointed as associate professor in 1980 and professor in 1986. He has been engaged in civil engineering and rock mechanics and engineering for several decades and finished a large amount of research work. He has published over 200 papers on technical journals, including "Geotechnique" and "Canadian Geotechnical Journal". He has published several monographs, such as Impact and Explosion Effects in Rock and Soil, Study of the Development and Utilization of Underground Space in Chinese Cities, Calculation Theory for Advanced Protective Structures. He and his research group have won the Important Scientific Award at the National Science Conference and National Awards for Science and Technology Progress for their achievements in the propagation of stress wave in rock and soil, stress wave passing through fractured rock masses and interaction of stress wave with structures in rock masses.

Professor Qian won the title of the outstanding middle-young aged specialist by the State Council and the advanced scientist in China's universities in 1990. In May 1994, he was elected as a fellow of the Chinese Academy of Engineering (CAE). He was a member of the 8th, 9th and 10th national committees of the Chinese People's Consultation Conference, deputy director of the CAE Civil Engineering Division in 1994–2000, deputy director of the CAE Engineering Management Division in 2000–2004, vice-president of the International Society for Rock Mechanics in 2003–2007, Asian director of the International Associated Research Centers for the Urban Underground Space (ACUUS), honorary president of the Chinese Society for Blasting Engineering, president of the Chinese Society for Rock Mechanics and Engineering, standing director of the council of the Chinese Civil Engineering Society (CCES), chairman of the Protective Engineering Sub-society of CCES, and concurrently a professor of many universities. He is a member of the Specialists' Committee of China's South-to-North Water Diversion Project, deputy head of the experts group of China's Nuclear Wastes Deep Geological Treatment Project, editor-in-chief of Journal of Rock Mechanics and Geotechnical Engineering, and a member of the Editorial Board of Chinese Journal of Rock Mechanics and Engineering, Earthquake Engineering and Engineering Vibration and China Civil Engineering Journal.