

**Geomechanics, Engineering Geology,
Hydrogeology, Geotechnical Engineering**

Expertise Rock Mechanics, Geomechanics Instrumentation, Numerical Modeling, Site Investigation

Education Ph.D. (Engineering), 1993
M.Sc. (Geotechnical Engineering), 1990
Wuhan University of Hydraulic and Electric Engineering, China
B.Sc. (Hydrology and Engineering Geology), 1985
Hehai University, Nanjing, China

Professional Affiliations Executive Member, Hubei Geology Society, Hubei, China
Member, Chinese Rock Mechanics Association

Honors/Awards Core Faculty Member, Ministry of Education of China, 2001
Leading Scholar, Hubei Province, China, 2000

Professional Experience

2005 – Present *Itasca Consulting China, Ltd., Wuhan City, China*
General Manager, Engineer

2002 – Present *Itasca Consulting Canada Inc., Sudbury, Ontario, Canada*
Senior Geomechanics Specialist

2002 (February-June) *Laurentian University, Geomechanics Research Centre, Visiting Scholar*

1999 – 2002 *Wuhan University, College of Hydropower Engineering, Wuhan, China*
Professor

1995 – 1999 *Wuhan University Consulting Centre, Three Gorges Project, Yichang, China, Consulting Engineer, Deputy Director*

1993 – 1995 *Wuhan University of Hydraulic and Electric Engineering, Wuhan, China, Lecturer*

1985 – 1987 *Wuhan University of Hydraulic and Electric Engineering, Wuhan, China, Researcher*

Project Experience

Applied Rock Mechanics: Specialized in applied rock mechanics for the civil engineering and mining industries, particularly in using Itasca geotechnical codes to solve various geomechanics problems, such as natural and excavated high-slope stability, large-scale underground cavity stability, rock mass support, caving and in-situ stress analysis.

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Engineering Geology: Geological mapping for the development of hydraulic power stations and the relocation of cities; site investigations and assessments of natural hazards such as landslides; rock-mass quality classification, electricity transmission routing, geophysical measuring, and geological structure survey and logging.

Hydrogeology: Field hydrologic and hydrogeological investigations for industrial water supplies, pumping tests and slugs test; monitoring of underground water table and piezometers with regard to rock slopes, dam foundations and rock-fill dams; water flux estimates.

Geotechnical Engineering: Rock and soil slope designs; planning and development of hydraulic power stations, including structure layout and feasibility assessments; treatment of unfavorable ground for civil project construction.

Teaching: Supervising doctoral candidates, and graduate and undergraduate students.