Theme Lecture 11

Professor Yang Ju

State Key Laboratory of Coal Resources and Safe Mining, China University of Mining & Technology, Beijing, Beijing, China

Theme Lecture Title

Numerical Analysis of Failure Processes in Soil-Rock Mixtures Using Computed Tomography and 3D Particle Flow Code Models

Dr. Ju is a Cheung Kong Distinguished Professor in Mining and Geotechnical Engineering issued by the Ministry of Education of China. He has been granted the National Natural Science Fund for Distinguished Young Scholars of China. He has received the special government allowance of Chinese State Council and been selected for the National Key Talents Support Programme. He has published two academic books and more than 120 peer-reviewed research papers. He has won the National Natural Science Award (Second Class), the Natural Science Award issued by the Ministry of Education three times (First Class).

Education:
September 1985 to July 1989, Bachelor's Degree, Civil Engineering, Qingdao University of Technology, Qingdao, China
September 1989 to March 1992, Master's Degree, Civil Engineering, Harbin Institute of Technology, Harbin, China
September 1992 to November 1995, Ph.D, Civil Engineering, Harbin Institute of Technology, Harbin, China
May 2008 to June 2012, Ph.D, Applied Mechanics, University of Calgary, Calgary, Canada

Professional Experience:
From November 1997 to May 2002, Vice Director, Institute of Rock Mechanics and Fractal geometry, China University of Mining and Technology, Beijing, China
From June 2002 to May 2006, Vice Dean, School of Mechanics and Civil Engineering, China University of Mining and Technology, Beijing, China
From June 2006, Executive Director, State Key Laboratory of Coal Resources and Safe Mining, China University of Mining and Technology, Beijing, China

Research interests:
1. Damage mechanics and failure criteria for geomaterials
2. 3D reconstruction methods for discontinuous structures of geomaterials
3. Numerical methods in geomechanics and applications to mining and geotechnical engineering
4. Visualization methods for discontinuous structures and dynamic stress fields of geomaterial and reservoirs