

Theme Lecture 19

Professor Chang-fu Wei

State Key Laboratory of Geomechanics
and Geotechnical Engineering, Institute of
Rock and Soil Mechanics, Chinese
Academy of Sciences, Wuhan, China



Theme Lecture Title

**Constitutive Model of Chalk with
Considering Effect of Intergranular
Physicochemical Forces**

Dr. Changfu Wei is a professor of Institute of Rock and Soil Mechanics, Chinese Academy of Sciences since 2006. He received his Ph.D. degree from the University of Oklahoma (USA) in 2001. He served as the Vice Director of the State Key Laboratory of Geomechanics and Geotechnical Engineering since 2008 to present. His main research interests are in the physics and mechanics of multiphase porous media, Constitutive modelling of unsaturated soils, subsurface flow and transport processes and fully-coupled analysis of multiple physical and chemical processes in multiphase porous media.

Education:

September 1984 to July 1988, Bachelor of Engineering, Hydrogeology and Engineering Geology, Hefei University of Technology, Hefei, China

September 1988 to July 1991, Master of Science, Solid Mechanics, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences, Beijing, China

December 2001, Ph.D., Civil Engineering, University of Oklahoma, Norman, USA

Professional Experience:

From August 1991 to August 1997, Research Associate, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences, China

From January 2002 to January 2004, Research Associate, University of Oklahoma, USA

From February 2004 to January 2006, Research Assistant Professor, University of Vermont, USA

From February 2006 to present, Professor, Institute of Rock and Soil Mechanics, Chinese Academy of Sciences, China (2008-present, Vice Director, State Key Laboratory of Geomechanics and Geotechnical Engineering, Wuhan, China)

From July 2010 to present, Adjunct Professor, Department of Civil Engineering and Architecture, Guilin University of Technology, Guilin, China

Research field:

1. Physics and mechanics of multiphase porous media
2. Constitutive modelling of unsaturated soils
3. Subsurface flow and transport processes
4. Fully-coupled analysis of multiple physical and chemical processes