

Profiles of Doctoral Supervisors of College of Civil Engineering & Architecture

Prof. Li Jianlin

Date of Birth: June 1961

E-mail: ljl@ctgu.edu.cn

Phone: 0717-6392612

Faculty: College of Civil Engineering & Architecture

Job Title: Professor

1. Education:

September 1987-June 1982, Wuhan Institute of Hydraulic and Electric Engineering Construction of Hydraulic and Hydroelectric Engineering

September 1982-June 1985, Chinese Institute of Water Resources and Hydropower Research, Hydraulic Structure Engineering
September 1992 to June 1996, Chongqing University of Architecture, Geotechnical Engineering

2. Professional Experiences:

(1) July 1993 to June 1995, Department of Scientific Research in Gezhouba Institute of Hydroelectric Engineering, Deputy Director of Department of Scientific Research

(2) July 1995 to June 1999, Wuhan University of Hydraulic & Electric Engineering (Yichang), Director of Department of Management Engineering

(3) November 1999 to September 2000, Wuhan University of Hydraulic & Electric Engineering (Yichang), Dean of College of Management

(4) September 2000 to June 2001, China Three Gorges University, President Assistant

(5) June 2001 to June 2007, China Three Gorges University, Vice-president

(6) June 2007 to now, China Three Gorges University, Secretary of Party Committee

3. Research Directions:

(1) Theory and Application Research of Unloading Rock Mass Mechanics

(2) Numerical and Physical Simulation of Slope Engineering

(3) Stability Analysis and Reinforcement Study of Underground Cave

4. Published Papers (since 2011) :

[1] Experimental study on seepage in cranny of sandstone due to axial compression and artificial fracture, Journal of Hydraulic Engineering, 2011

[2] Comparative Study of Three Calculation Methods for Slope Factor of Safety, Chinese Journal of Geotechnical Engineering, 2011



[3] Triaxial Unloading Test of Sandstone After, Chinese Journal of Geotechnical Engineering, 2011

[4] High Temperature, Chinese Journal of Geotechnical Engineering, 2011

[5] Research on Effect of Disc Thickness-to-diameter Ratio on Splitting, Chinese Journal of Geotechnical, 2012

[6] Tensile Strength of Rock, Engineering, 2012

[7] Experimental Research on Fracture Mechanical Effect of Sandstone under Water Corrosion, Chinese Journal of Geotechnical Engineering, 2012

[8] Experimental Study on Anisotropic Mechanical Characteristics of Jointed Rock Mass under Unloading Condition, Journal of Mining Safety Engineering, 2014

5. Main Research Projects (since 2011) :

(1) January 2014-December 2016, Research and development of rock soak & dried of cyclic load rheometer, Science and Technology Department of Hubei Province

(2) January 2015-December 2019, Deformation failure mechanism and protection of bank slope under the complex conditions, National Natural Science Foundation of China

(3) January 2014-December 2016, New technology diagnosis and evaluation and protection demonstration of slope safety lifecycle, Ministry of Water Resources

(4) January 2013-December 2016, Charged anisotropic nonlinear study on the mechanical properties of jointed rock mass unloading, National Natural Science Foundation of China

(5) January 2013-December 2014, Research on the theory of the formation mechanism and stability evaluation of bank slope caused by large-scale hydropower project, Ministry of Science and Technology

(6) October 2011-December 2013, Study on water conservancy characteristic education services for the industry - Taking China Three Gorges University as an example, Ministry of Water Resources

(7) January 2011-December 2013, Study on the rheological mechanical properties of jointed rock mass unloading charge, National Natural Science Foundation of China

(8) January 2012-December 2013, Study on unloading rock mass anisotropy of mechanical properties, Ministry of Education

6. Awards and Honors (since 2011) :

(1) 2010, "Soil and Water Rock Interaction Theory and Engineering Application" won the first prize of Hubei Province Science and Technology Progress Award (ranked the first)

(2) 2012, "Radar Interferometry Measurement Technology in Three Gorges Reservoir Region Landslide Deformation Monitoring in Applied Research" won the first prize of the radar interferometry measurement technology in the Three Gorges Reservoir area of landslide deformation monitoring of the application (ranked the second)

(3) 2013, "The Complex of Unloading Rock Mass Engineering Key Technology and Application" won the first prize of Hubei Province Science and Technology Progress Award (ranked the first)

(4) 4)2014, "The Benefit Effect of Excavation Unloading Rock Mass in Hydroelectric Engineering Research and Application" won the first prize of Award of Science Technology of Hydropower Generation (ranked the first)

(5) 2014, "Hubei Excellent Academic Thesis of Natural Science" won the third prize of Natural Science Award (rank the third)

7. Membership of Professional Bodies:

- (1) One of the Head of the key disciplines “Hydraulic Structure Engineering” of Hubei Province
- (2) The person in charge of key Laboratory of Geotechnical Engineering Research Center of the State Power Corporation
- (3) Committee member of the International Society for Rock Mechanics; member of International Association for Engineering Geology and the Environment; Vice Director of Rock Dynamic Committee; member of Professional Committee of China Society of Rock Mechanics
- (4) Director of Chinese Rock Mechanics and Engineering, Executive Director of the Geological Association of Hubei Province
- (5) Editorial Committee of Chinese Journal of Rock Mechanics and Engineering, Rock and Soil Mechanics Journal, Journal of Underground Space
- (6) Evaluation Experts of National Natural Science Foundation of China Water Conservancy

Prof. Zhang Guodong

Date of Birth: July 1968

E-mail: zgd@ctgu.edu.cn

Phone: 07176392217

Faculty: College of Civil
Engineering & Architecture

Job Title: Professor

1. Education:

September 1987-June 1991, bachelor's degree in
Hydraulic and Hydro-Power Engineering, Gezhouba Institute of Hydroelectric Engineering
September 1997-June 2000, master's degree in Structural Engineering, Wuhan University
September 2000-June 2004, PhD. candidate in Geotechnical Engineering, Wuhan University

2. Professional Experiences:

- (1) July 1991-June 2000, College of Architectural Engineering, Gezhouba Institute of Hydroelectric Engineering, Lecturer
- (2) July 2000-December 2009 College of Civil and Hydropower Engineering, China Three Gorges University, Associate Professor, Professor, Vice Director of College of Civil and Hydropower Engineering
- (3) January 2010-now, College of Civil Engineering and Architecture, China Three Gorges University, Professor, Doctoral Supervisor, Director of College of Civil Engineering and Architecture

3. Research Directions:

- (1) Mechanism of Geological Disasters and Prevention Technology
- (2) Soil Mechanics Theory and Application
- (3) Numerical Simulation and Physical Simulation of Rock and Soil

4. Published Papers(since 2011):

- (1) Effect of Permeability Coefficient of Reservoir Bank Slope on Pile Displacement and Ground Deformation, Applied Mechanics and Materials Vols. 275-277 pp 304-309, 2013.
- (2) Analysis of Deformation Mechanism Based on Monitoring Data, Journal of Hydraulic Engineering, 2014
- (3) Mechanical Behavior of Interface Between Soil-rock-mixture and Concrete by Shear Test in Three Gorges Reservoir Area, Water Resources and Hydropower Engineering, 2014
- (4) Seismic Response of Slope for the Different Boundary Condition and Seismic Wave, Journal of Vibration and Shock, 2011

5. Published Books (since 2011):

Soil Mechanics, Peking University Press, 2012

6. Major Research Projects(since 2011):

- (1) 2012-2014, Monitoring pre-warning system optimization and key technical research of monitoring and forecasting about significant and risky collapse landslide in Three Gorges Reservoir region, Innovation Group in Hubei Natural Science Fund
- (2) 2013-2016, Monitoring pre-warning system optimization and key technical research of monitoring and forecasting about significant and risky collapse landslide in Three Gorges Reservoir



region, Hubei Science and Technology Support Program

(3) 2014-2015, Investigation and evaluation for the impact of the daily water level decreasing amplitude in Three Gorges reservoir on the Geological Disaster Prevention Project, China Geological Monitoring Institute (major horizontal project)

7. Rewards and Honors (since 2011):

2012, Application research of interfering radar measurement technology in landslide deformation monitoring in Three Gorges Reservoir, first prize of Chinese institution of Rock Mechanics and Engineering,

8. Membership of Professional Bodies:

- (1) Committee member of Chinese Professional Committee of Hydraulics and Soil Mechanics
- (2) Executive director in Engineering Risk and Insurance Research Branch of China Civil Engineering Society
- (3) Director of Hubei Society of Rock Mechanics and Engineering
- (4) Director of Hubei Seismological Society

Prof. Xu Wennian

Date of Birth: January 1960

E-mail: xwn@ctgu.edu.cn

Phone: 0717-6392088

Faculty: College of Civil Engineering & Architecture

Job Title: Professor

1. Education:

1) September 1978-June 1982, bachelor's degree in Mechanics, North China University of Water Resources and Electric Power

(2) September 1997-June 2000, master's degree, Department of Water Resources and Hydropower Institute of Hydraulic Engineering, Wuhan University

(3) June 2004-June 2007, doctor's degree, Department of Hydraulic Engineering Institute of Water Conservancy and Hydropower, Wuhan University

2. Professional Experiences:

(1) September 1997-May 2006, General Manager (professor level Senior Engineering) of China Three Gorges University Industrial Group.

(2) May 2006-March 2006, Party Secretary (Professor) of the Graduate School of China Three Gorges University

(3) March 2011 to now, Head (Professor) of Science and Technology Department of China Three Gorges University

3. Research Directions:

(1) Side Slope Ecological Protection : Ecological Environment Construction and Ecological Restoration

(2) Side Slope Ecological Protection: Basic Characteristics of Ecological Materials

(3) Side Slope Ecological Protection: Plant Consolidation of Earth and Anti-corrosion Mechanism

(4) Side Slope Ecological Protection: Characteristics of Ecological Restoration of Vegetation Communities and Its Succession

4. Main Published Papers (since 2011):

[1] Responses of Physiological Adaptability of *Vetiveria Zizanioides* on Alternating Flooding-Drought Stress, *Bulletin of Soil and Water Conservation*, 2014

[2] Using REE to Trace Sediment Source from Simulated Watershed in Three Gorges Reservoir Region, *Journal of Soil and Water Conservation*, 2014

[3] Effects of Soil Particle Composition on REE Adsorption Capacity and Erosion Tracing Precision, *Journal of China Rare Earths*, 2013

[4] Evolution of Soil Properties in Vegetation Restoration Process on Disturbed Slopes, *Bulletin of Soil and Water Conservation*, 2013

[5] Experimental Study on Freezing and Thawing Actions of Vegetation-growing Concrete Ecological Base Material, *Research of Soil and Water Conservation*, 2013



[6] Research on Adaptability of *Leucanea Leucocephala* under Different Soil Moisture Conditions, Research of Soil and Water Conservation, 2013

[7] Influence of Freezing Temperature on Frost Heave Characteristics of Vegetation Growing Bases of Concrete, Bulletin of Soil and Water Conservation, 2013

[8] Improvement Test on Frost Resistance of Vegetation-concrete and Engineering Application of Test Fruitage, Environmental Earth Sciences, 2013

[9] Differences on Soil Enzyme Activities of Different Textural Farmlands, Hubei Agricultural Sciences, 2013

[10] Slope Development of Tableland in the Holocene on the Chinese Loess Plateau, Journal of Food, Agriculture & Environment, 2012

[11] Preliminary Study of Relationship between Shallow Soil Reinforcement and Fractal Characteristic of Vegetation Roots in Biotechnical Slope Protection, Chinese Journal of Rock Mechanics and Engineering, 2011

[12] Chronofunctions of Heilu Soil Developed from Loess in Luochuan, on the Chinese Loess Plateau, REVISTA BRASILEIRA DE CIENCIA DO SOLO, 2011

[13] Ecological and Agricultural Construction Models in a Watershed on the Chinese Loess Plateau, SciVerse ScienceDirect, 2011.

[14] Research on Characteristics of Early Strength of Ecological Slope-protected Base Material of Vegetation-growing Concrete, Rock and Soil Mechanics, 2011

5. Published Books(since 2011):

(1) Theory and Practice of Vegetation Restoration Techniques Concrete Ecology, China Water & Power Press, 2012

(2) Holocene Soil Chronofunctions, Luochuan, Chinese Loess Plateau, Radiometric Dating, In Tech-Open Access Publisher, 2012

6. Main Research Projects(since 2011):

(1) 2015-2019, Bank Slope's protection under complex conditions and deformation mechanism, key project supported by National Natural Foundation of China

(2) 2013-2016, Study on enhancing the mechanism of the variation of ecological protection of vegetation concrete substrate microbial activity, project supported by National Natural Foundation of China

(3) 2012-2015, Demonstration and technology of riparian ecosystem restoration project construction area, the 12th Five-Year Plan National Science and Technology Support

(4) 2013-2016, Study on ecological protection technology system of slope, Hubei Province Outstanding Youth Science and Technology Innovation Team

(5) 2014-2015, Horizontal Project (120 Thousand), the National Energy Bureau "Hydropower Engineering of high and steep slope ecological restoration of vegetation concrete technical specifications" joint written agreement

(6) 2013-2016, Study on plant slope protection Yalong Rivers slobber, Horizontal Project (200 thousand)

(7) 2013-2014, Nuozu hydropower and quarry rock slope greening Agreement, Horizontal Project (139 thousand)

(8) 2011-2012, the ecological restoration project of science and technology service cooperation

agreement, Horizontal Project (200 thousand)

6. Awards and Honors (since 2011):

(1) 2013, New technology of High steep rock slope habitat and substrate activation and construction, the second prize of 2013 Hubei Province Technology Invention

(2) 2012, High and steep slope habitat and ecological protection technology, the first prize of 2012 China Three Gorges University Technology Invention Award

(3) 2012, Three Gorges Reservoir tributaries typical steep Fluctuating with ecological protection technology and cutting pollution abatement action research and demonstration, the first prize of 2012 Yichang Municipal Science and Technology Progress Award

(4) 4)2012, Water and soil erosion of side slope and its mechanism study on ecological protection, the third prize of Natural Science Award of China Three Gorges University

(5) 5)2012, Chronofunctions of heilu soil developed from loess in Luochuan, on the Chinese Loess Plateau

7. Membership of Professional Bodies:

(1) The executive director of the Hubei Society of Rock Mechanics and Engineering

(2) The vice chairman and Secretary General of the Yi Chang Society of Theoretical and Applied Mechanics

Prof. Liu Zhangjun

Date of Birth: Jan 1st, 1973

E-mail: liuzhangjun73@aliyun.com

Phone: 0717-6392137

Faculty: College of Civil Engineering & Architecture

Job Title: Professor

1. Education:

(1) September 2013-July 2014, inland visiting scholar supported by Ministry of Education Institution of Higher Learning Young Core teacher in Civil Engineering of Tongji University Disaster Prevention of State Key Laboratory

(2) March 2004-July 2007, Civil Engineering College of Tongji University, doctor's degree of Structural Engineering

(3) September 2000-March 2003, College of Architecture Engineering, Kunming University of Science and Technology, master's degree of Disaster Prevention and Reduction Engineering and Protective Engineering

(4) September 1994-June 1997, Hubei University of Economic Management, Architecture Design and Construction Management

2. Professional Experiences:

(1) January 2014-now, deputy dean, College of Civil Engineering and Architecture, China Three Gorges University

(2) March 2009-December 2013, dean, College of Water Resources and Environment, China Three Gorges University

(3) January 2008-October 2011, Postdoctoral Research Station of Transportation Engineering, Tongji University

(4) July 2007-March 2009, teacher of College of Civil Engineering and Hydropower, China Three Gorges University

(5) March 2003-March 2004, teacher of College of Civil Engineering and Hydropower, China Three Gorges University

3. Research Directions:

(1) Aseismic and Vibration Control of Engineering Construction

(2) Probabilistic Modeling of Disastrous Stochastic Dynamic Loads

4. Main Published Papers(since 2011):

[1] Orthogonal Expansion of Gaussian Wind Velocity Field and PDEM-based Vibration Analysis of Wind-excited Structures, Journal of Wind Engineering and Industrial Aerodynamics, 2011

[2] Probabilistic Model of Ground Motion Processes and Seismic Dynamic Reliability Analysis of the Gravity Dam, Journal of Hydraulic Engineering, EI Source Journals, 2014

[3] Probability Density Evolution Analysis of Stochastic Seismic Response of Long-span Bridges, Journal of Civil Engineering, EI Source Journals, 2013

[4] Simulation of Stationary Ground Motion with Random Function and Spectral Representation, Journal of Vibration and Shock, EI Source Journals, 2013



[5] Seismic Reliability Analysis of Continuous Rigid Frame Bridge Using Probability Density Evolution Method, Journal of Southwest Jiaotong University, EI Source Journals, 2014

[6] Simulation of Stationary Ground Motion Processes: Hybrid Orthogonal Expansion-random Function Approach, Journal of Applied Foundation and Engineering Science, EI Source Journals, 2014

[7] Simulation of Fluctuating Wind Processes with an Orthogonal Expansion-random Function Approach, Journal of Vibration and Shock, EI Source Journals, 2014

[8] Simulation of Stochastic Ocean States by Random Function Methods, Journal of Vibration and Shock, EI Source Journals, 2014

[9] Non-stationary Ground Motion Process Simulation of Spectral Representation Method - the Random Function, Journal of Vibration Engineering, EI Source Journals, 2015

[10] The Analysis of Structure Reliability of the Non-stationary Random Earthquake Loads, Engineering Mechanics, EI Source Journals, 2015

5. Publishing Books (since 2011):

(1) Structural Dynamics, China Water & Power Press, 2012

(2) Essence Content and Model Key to Exercises of Elastic Mechanics, China Water & Power Press, 2009

(3) College Student Competition of Mechanics and Modeling, China Water & Power Press, 2012

6. Main Research Projects (since 2011):

(1) January 2013-December 2016, Research on complex engineering structure seismic reliability based on the probability density evolution, National Natural Science Foundation of China

(2) January 2009-December 2011, Research on nonlinear stochastic seismic response and reliability based on the probability density evolution theory, National Natural Science Foundation of China

(3) January 2009-December 2011, Probability density evolution method of the seismic reliability analysis of complex structure system, Hubei Provincial Key Project of Natural Science Foundation

(4) January 2013-December 2016, Research on the dynamic performance of concrete based on different water environment, National Natural Science Foundation of China

7. Rewards and Honors (since 2011):

(1) March 2013, Innovative talent cultivation of "integration teaching" research and practice of civil engineering, the first prize of Teaching Achievement in Hubei Province, ranking: 2/5

(2) August 2011, National Xu Zhilun Excellent Teacher Prize of Mechanics

(3) September 2014, the second prize of 2014 Institutions of Higher Learning of Water Conservancy Engineering Teaching Achievement Award at the , ranking: 2/5

(4) December 2014, the title of 2014 Hubei Provincial Excellent Guidance Teacher for Postgraduate's Thesis

(5) March 2009, Academic leader of "151" Talent Project in China Three Gorges University

8. Membership of Professional Bodies :

(1) October 2013, Committee member of Random Vibration of Chinese Society for Vibration Engineering

(2) August 2011, Director of the Hubei Provincial Institute of Mechanics

Prof. Peng Gang

Date of Birth: April 1963

E-mail: 871399412@qq.com

Faculty: College of Civil Engineering & Architecture

Job Title: Professor

1. Education:

(1) September 1980 to July 1983, Junior College Degree of Civil Engineering, former Wuhan University of Hydraulic and Electrical Engineering

(2) September 1992 to July 1995, master's degree of Structural Engineering, former Wuhan University of Hydraulic and Electrical Engineering

(3) September 1999 to July 2003, Huazhong University of Technology, doctor's degree of Structural Engineering

(4) March 2005 to February 2008, Postdoctoral research in Wuhan University

2. Professional Experiences:

(1) August 1983 to June 1991, former Yichang Institute of Architectural Design, industrial and civil architecture and structure design

(2) July 1991 to August 1992, Shaoguan Smelting Plant in Guangdong Province, civil engineering design of the plant

(3) September 1992 to now, China Three Gorges University, teacher

3. Research Directions:

(1) Static and Dynamic Performance of Concrete Materials and Structures

(2) Structural Seismic and Vibration Control

4. Published Papers (since 2011):

[1] Study on Wet Concrete Based on Uniaxial Compression Tests, Concrete, 2014

[2] A Three-dimensional Model for Concrete with Random Parameterized Irregular Aggregate, Journal of Hydraulic Engineering, 2012

[3] Experimental Study on Dynamic Characters of Steel Fiber Reinforced Concrete under Triaxial Pressure, Concrete, 2011

5. Published Books (since 2011):

Vibration Control of Civil Engineering Structure, Wuhan University of Technology Press, 2002

6. Research Projects(since 2011):

(1) January 2013-December 2016, A study on dynamic properties of concrete based on different water environment, project of National Natural Science Foundation of China

(2) September 2013-December 2014, Study on strength characteristics and rock mass deformation with multiple sets of fracture, Technical Service

(3) May 2011-June 2011, Developing and design of the main structure of the



three-dimensional landslide test model, Technological Development,

(4) January 2013-December 2016, Study on integral reliability of complex seismic engineering structure based on probability density evolution, Project supported by National Natural Science Foundation of China

(5) September 2013-December 2014, Study on strength characteristics and rock mass deformation with multiple sets of fracture, Technical Service

(6) May 2011-June 2011, Development and design of the main structure of the three-dimensional landslide test model, Technological Development

Prof. Wang Shimei

Date of Birth: December 1965

E-mail: 284480957@qq.com

Phone: 0717-6396234

Faculty: College of Civil Engineering & Architecture

Job Title: Professor

1. Education:

- (1) September 1984 to June 1988, bachelor's degree of Geological Engineering in Changchun College of Geology
- (2) September 1988 to June 1991, master's degree of Geological Engineering in Changchun College of Geology
- (3) September 2001 to June 2007, doctor's degree of Hydraulic Structure in Wuhan University
- (4) December 2003 to December 2004, visiting scholar in Moscow Architecture University
- (5) December 2006, learning in Institute of Landslide in Kyoto University for 2 weeks
- (6) March 2012 to June 2013, visiting scholar in University of Alberta for three months

2. Professional Experiences:

- (1) 1992 to 1994, teaching assistant in the former Gezhouba Institute of Hydroelectric Engineering
- (2) 1994 to 1997 Lecturer in the former Gezhouba Institute of Hydroelectric Engineering
- (3) 1997 to 2000 Associate Professor in former Wuhan University of Hydraulic and Electrical Engineering(Yichang)
- (4) 2000 to 2006 Associate Professor in China Three Gorges University
- (5) 2006 to now, Professor in China Three Gorges University

3. Research Directions:

- (1) Test and Theoretical Analysis of Unsaturated Soil Mechanics Characteristic
- (2) Formation Mechanism and Prediction Evaluation of Geological Disasters
- (3) Test and Theoretical Analysis of Rheological Properties of Soil
- (4) Geotechnical Engineering and Geological Environment Related Problems

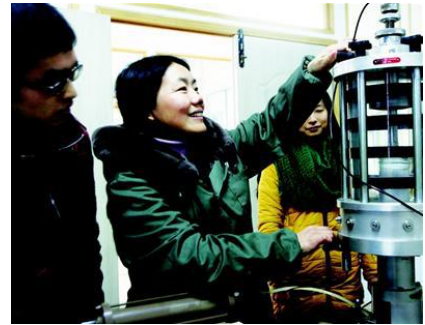
4. Main Published Papers (since 2011):

- (1) Coupling of Seepage and Stress of Shuping Landslide under the Combined Action of Reservoir Water Decline and Rainfall, Journal of Yangtze River Scientific Research Institute, 2014
- (2) Response of Typical Hydrodynamic Pressure Landslide to Reservoir Water Level Fluctuation: Shuping Landslide in Three Gorges Reservoir as an Example, Journal of Engineering Geology, 2014
- (3) A Study of Quantitative Assessment Method of Population Vulnerability of a Single Landslide, Hydrogeology and Engineering Geology, 2013

5. Main Research Projects (since 2011):

January, 2014-December, 2017, the reservoir landslide seepage and creep coupling analysis, Project supported by Natural Science Foundation of China

6. Awards and Honors (since 2011):



(1) “Reservoir model of landslide prediction evaluation and research in Three Gorges Reservoir area”, the second prize of Hubei Provincial Scientific and Technological Progress Award, 2006

(2) “Arch closure temperature field and temperature control optimization theory and practice”, the first prize of Hubei Provincial Scientific and Technological Progress Award, 2006

(3) “Valley slope stability evolution mechanism and control method” , the first prize of Ministry of Education Scientific and Technological Progress Award