

Name: Ruinian Jiang

Education:

Ph.D. in Civil Engineering at New Mexico State University, Las Cruces USA (2005)

M.S. in Civil Engineering at the University of New Mexico, Albuquerque, USA (1998)

B.S. in Civil Engineering, Hunan University, China (1984)

Academic Experience:

August 2006-Present, Assistant Professor, the Department of Engineering Technology and Surveying Engineering, New Mexico State University, Las Cruces

January 2005-August 2006, Specialist and Instructor, the Department of Civil Engineering, New Mexico State University, Las Cruces

August 2001-December 2004, Graduate Teaching/Research Assistant, the Department of Civil Engineering, New Mexico State University, Las Cruces

August 1999-August 2001, Research Assistant, the Department of Civil Engineering, the University of New Mexico, Albuquerque

Non-academic Experience:

October 1997-August 1999, Executive Director, The Patent Services Center of the Ministry of Transportation of China

September 1996-September 1997, Project Manager, China Academy of Transportation Sciences, Slope Protection and Landscaping Project, Chuxiong-Dali Freeway Construction, Yunan Province, China (about 100 miles)

March 1995 – September 1996, Chief Engineer, China Overseas Engineering Cooperation, National Road Overlay and Improvement Project, Contract No.2, Bangladesh (about 60 miles); Asian Development Bank Loan Project

March 1993 – February 1995, Assistant Project Manager and Associate Chief Engineer, China Overseas Engineering Cooperation, National Road Improvement Project, Contract No.10, Bangladesh (about 20 miles); Asian Development Bank Loan Project

January 1991 – February 1993, Team Leader, the Information Research Institute of the Ministry of Transportation of China

August 1984 – December 1990, Research Engineering, the Information Research Institute of the Ministry of Transportation of China

Membership in Professional Organizations:

American Society for Engineering Education
American Society for Civil Engineers

Honors & Awards:

Patricia Chrismore Teaching Award, NMSU, 2009 – 2010
Professor of the Year, Department of Engineering Technology and Surveying Engineering, 2009
Best Research Product of 2004, New Mexico Institutes of Higher Education, New Mexico Department of Transportation
Outstanding Academic Achievement, Graduate School, New Mexico State University, 2004/2005
Best Research Product of 2001, New Mexico Institutes of Higher Education, New Mexico Department of Transportation
Innovative Research on Transportation Design, Institute of Alliance of Transportation Research, University of New Mexico, 2001
Excellent Research Product, China Society of Highway and Transportation, 2000

Service activities:

Co-advisor, Association of General Contractor NMSU Student Chapter, since 2006
President, American Society of Civil Engineers (ASCE) Southern Branch of New Mexico, 2007 – 2009
ETSE students advising, Graduate committees, Mentoring for the minority students and students with disabilities, etc.

Publications:

Jiang, R., Jauregui, D., “Development of a Digital Close-Range Photogrammetric Bridge Deflection Measurement System.” Measurement: Journal of the International Measurement Confederation, 2010, in press, available on-line.

Jiang, R and S. Cooper, “A Dilemma in Engineering Class Design Project”, Journal of Technology Interface, Spring 2009

Jiang, R, Jauregui, D, and White, K, “Close-Range Photogrammetry Applications in Bridge Engineering: Literature Review.” Measurement: Journal of the International Measurement Confederation, 41, 823 -834, 2008.

Jiang, R and Jauregui D, “A Novel Network Control Method for Photogrammetric Bridge Measurement” Journal of Experimental Techniques, May / June, 2007, 48 -53.

Jiang, R, Lowe, E, and Du, H, “Effect of Fibrillated Polypropylene Fiber Reinforcement on Concrete Behavior”, Journal of Technology Interface, Fall 2007.

Jiang, R., "Life-Cycle Integrated Capstone Project Design" Proceedings of the First National Capstone Design Conference, Boulder, 2007.

Jauregui D; Tian Y, and Jiang R, "Photogrammetry Applications in Routine Bridge Inspection and Historic Bridge Documentation," Journal of Transportation Research Record, No. 1968, 24-32, 2006.

Jiang, R, Jauregui, D, and White, K, "Review of Close-Range Photogrammetry Applications in Bridge Engineering." Proceedings of the 85th Annual Conference of Transportation Research Board, Washington, D.C., January 2006.

Ruinian Jiang, White, K. R., and Albright, D. P. "Development of Integrated Transportation Design Curriculum." Proceedings of the 84th Annual Conference of Transportation Research Board, Washington, D.C., January 2005.

Professional Development:

Participating in online and NMSU campus courses/workshops and association activities.

Number of Years in Service to Department: 4.5 years

Date Hired: August 2006