



Research Organization:
Nanjing Tech University, China

Individual Research Member:
Yan Xiao, Full Professor, Ph.D., Dean, Thousand Talent National Expert Professor

Short CV:

Dr. Y. Xiao is a Thousand-talent National Expert Professor, Chang Jiang Scholar, Dean of College of Civil Engineering at the Nanjing Tech University. He is also a research Professor at the University of Southern California. He received his B.S. degree from the Tianjin University, China, in 1982, and his M. Eng. and Dr. Eng. Degrees from the Kyushu University, Japan, in 1986 and 1989, respectively. He was Post Doctoral Research Engineer at UC San Diego (1990-1992), Lecturer and Assistant Research Scientist at UC San Diego (1992-1994), Assistant Professor (1994-2000), Associate Professor (2000-2007), Full Professor (2007- present) at Univ. of Southern California. Previously from 2001, he was Cheung Kong Scholar of the Chinese Ministry of Education, visiting chaired professor; 2006-2011, advisory Dean, Founding Director, Center for Integrated Protection Research of Engineering Structures (CIPRES), Ministry Key Laboratory of Building Safety and Energy Efficiency, College of Civil Engineering, Hunan University, Changsha, Hunan, China. CIPRES is a collaborative partner of the Center for Research in Earthquake and Construction Engineering (CRECE), University of Southern California. Dr. Xiao is a Fellow of American Concrete Institute; Fellow of American Society of Civil Engineers, and he serves as Associate Editor for the ASCE Journal of Structural Engineering and ASCE Journal of Bridge Engineering.

He conducts research on design of structures against extreme loads, such as earthquake and blast, structural concrete, steel, timber and bamboo, hybrid or composite systems. He is the inventor of the award winning GluBam®. His research and teaching interests are related to the Design of Reinforced Concrete, Prestressed Concrete, Steel, Hybrid and Composite Structures to withstand earthquake or other extreme loads, as well as implementation of high-performance materials, green materials into construction. Current research is on: 1) Development of new hybrid or composite structural systems, such as steel beam and reinforced concrete column frame systems, or confined concrete filled tubes (CCFT), 2) Development of modern bamboo structures for sustainable construction, 3) Implementation of new materials (such as high-performance concrete, advanced composites, nano, smart materials) into design and retrofit of buildings and bridges for improved seismic or blast resistance, 4) Experimental analysis of structures and structural materials, 5) Internet based research and teaching methodology, 5) Internationally collaborative approaches to challenge engineering problems.