Yu Jiao

PERSONAL INFORMATION

Name: Yu JIAO
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EDUCATION BACKGROUND

APR 2009 – MAR 2012 Tokyo Institute of Technology (Japan)

Doctor of Engineering *(Structural Engineering)*

- ☆ Thesis Title: "Plastic Deformation Capacity of Steel Beam Suffering Ductile Facture under Random Loading History"
- ☆ Monbukagakusho (Ministry of Education, Culture, Sports Science and Technology) Scholarship
- ☆ Research Assistant (Global COE Program of Tokyo Tech)

APR 2007 – MAR 2009 Tokyo Institute of Technology (Japan)

Master of Engineering *(Structural Engineering)*

- ☆ Thesis Title: "Evaluation of Energy Dissipation Capacity of Steel Beams under Various Loading Histories"
- ☆ Monbukagakusho (Ministry of Education, Culture, Sports Science and Technology) Scholarship

OCT 2006 – MAR 2007 Tokyo Institute of Technology (Japan)

Research Student *(Structural Engineering)*

- ☆ Monbukagakusho (Ministry of Education, Culture, Sports Science and Technology) Scholarship

SEP 1998 – JUL 2002 Shanghai Jiao Tong University (R.P. China)

Bachelor of Engineering (Double degree)

(Civil Engineering & Finance)

☆ Thesis Title: "Study of Unbonded Prestressing Segmental Bridge"
"Study on the Fees and Expenses of American 401(K) Plan"

☆ 2000－2001 Academic Excellence Scholarship of SJTU

☆ 1999－2000 Academic Excellence Scholarship of SJTU

☆ 1998－2000 Vice-President, Social Work Department, Students' Association

PROFESSIONAL EXPERIENCE

APR 2012 – Present Tokyo University of Science (Japan)
Department of Architecture

Assistant Professor

☆ Job Descriptions: Research in the field of seismic engineering
Education of graduate and undergraduate students

AUG 2002 – SEP 2006 Shanghai Institute of Architectural Design & Research (SIADR) (P.R. China)

Assistant Structural Engineer *(2003-2006)*

Structural Engineer *(since 2006)*

☆ Job Descriptions: Design and research of large span and steel structure.

☆ Design Projects: *Stands of 'F1' Shanghai International Circuit*
(Large span steel structure and membrane structure)
Songjiang University Town Traffic Distribution Center
(Steel structure)
Swimming Pool of Sheraton Grand Tai Ping Yang
(Beam string structure)
Rose Plaza (32 floors)
(Reinforce concrete structure)
Central Sail in China Maritime Museum
(*Hybrid-Structure: Steel truss, Single layer cable net*)

☆ Research Projects: *National Standard Details for Steel Structure Fire Protection*
National Code for Aluminum-Alloys Structures

PROFESSIONAL ASSOCIATIONS

Student Member	ASCE (***American Society of Civil Engineers***)	Since 2001
Student Member	ICE (***Institute of Civil Engineers***)	Since 2002
Member	AIJ (***Architectural Institute of Japan***)	Since 2007
Member	JAEE (***Japan Association for Earthquake Engineering***)	Since 2011
Member	JSSC (***Japan Society of Steel Construction***)	Since 2012

RESEARCH INTERESTS

- ☆ Seismic behavior of steel structures (frames, structural components, etc.)
- ☆ Seismic retrofit of steel structures
- ☆ Base-isolated structures
- ☆ Seismic dampers
- ☆ Composite structures
- ☆ Energy based seismic design
- ☆ Structural experiments

FUNDINGS & GRANTS

2013-2015 **Collaborative Research Project**, Materials and Structures Laboratory
Tokyo Institute of Technology (*200,000 Yen*)
"Evaluation of plastic deformation capacity of steel beam-to-column connections subjected to long-duration earthquake ground motions"

2012-2014 **"Research Activity Start-up" Grants-in-aid for Scientific Research (KAKENHI)** *(No. 24860060)*
Japan Society for the Promotion of Science (JSPS) (*3,120,000 Yen*)
"Low-cycle fatigue characteristics of steel slit-dampers with various shapes"

2012-2013 **Special Research Fund for JSPS KAKENHI Researchers**
Tokyo University of Science (*250,000 Yen*)
"Low-cycle fatigue characteristics of steel slit-dampers with various shapes"

2009-2012 **Global COE Research Fund for Young Researchers**
Japan Society for the Promotion of Science (JSPS) (*1,500,000 Yen*)
"Plastic deformation capacity of steel beam-to-column connections governed by ductile fracture under various loading histories"

AWARDS

Best Presentation Award in Recognition of Outstanding Contributions by a Young Researcher (10th CUEE, 2013), "Paper title: *Cyclic loading tests of steel slit-dampers with various shapes*"

Best Presentation Award in Recognition of Outstanding Contributions by a Young Researcher (9th CUEE & 4th ACEE, 2012), "Paper title: *Loading protocols employed in the evaluation of seismic behavior of steel beams in weak-beam moment frames*"

Excellent Paper Award for Young Researchers (JAEE, 2011), "Paper title: *Relationship between steel beam rotation and the beam-end strain under cyclic loading history*"

Excellent Research Paper Award for Young Researchers (Kanto Chapter AIJ, 2011), "Paper title: *Loading protocols employed in evaluation of seismic behavior of steel beams in weak-beam moment frames*"

2008 National Award for the Excellent Standards and Designs of China (Second Prize), "*National Standard Details for Steel Structure Fire Protection*"

2008 Scientific and Technological Progress Award of Shanghai (The Third Prize), "*National Code for Aluminum-Alloys Structures*"

2007 Scientific and Technological Progress Award of Shanghai (The First Prize), *"National Standard Details for Steel Structure Fire Protection*"

2004 Outstanding Contributor Award of SIADR