

Xijun Yao

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Research Experiences

E-Construction Group

Apr. 2014 till now

University of Maryland, USA

- Conducting research on building mitigation for earthquakes through Public-Private Partnership
- Helping with research on terror risk management for power supply systems
- Assisting research on evaluation of environmental impact of earthquake mitigation
- Participating in research on cost-benefit assessment of earthquake retrofit

Peking University

Jan. – Jul. 2013

Beijing, China

- Designed an optimal method of opening reinforcement in carbon-fiber laminate board
- Used ANSYS and MSC. Patran in calculating
- Helped in developing an effective testing measurement on laminate test piece

Working Experience

Beijing Urban Construction Group Co., Ltd.

Jun. 2014 – Aug. 2014

Beijing, China

- Project Management Assistant
- Technician on site for engineering techniques and quality control

Siemens Ltd., China

Oct. 2012 – Jul. 2013

Beijing & Shanghai, China

- Designed a static electronic actuator
- Made and tested models of the prototype of static electronic actuator

Volunteering Experiences

AIIESEC (NGO)

Jun. – Aug. 2012

Childrock Initiative (CBO), Nairobi, Kenya

- Volunteered in teaching students in Childrock Initiative in Makuru Slum, Nairobi
- Helped in rebuilding and updating <http://childrockinitiative.org> and making advertising video

- Participated in raising fund from all over the world for Childrock Initiative

Education

University of Maryland

Expected May. 2015

Doctor of Philosophy (Civil Engineering)

Peking University

Jul. 2013

B.E., Structural Engineering

B.S., Psychology

Publications

Journal Papers

Yao, X.J., Wei, H.H., Shohet, I., Skibniewski, M. (2014), “Implementing Earthquake Mitigation Using Retrofit and Insurance through Public-Private Partnerships”, *Technological and Economic Development of Economy*, under review

Wei, H.H., **Yao, X.J.**, Shohet, I., Skibniewski, M. (2014), “Assessment of Terrorism Risk to Critical Infrastructures: The Case of Power Supply System”, *International Journal of Strategic Property Management*, in progress

Wei, H.H., Shohet, I., Skibniewski, M., Shapira, S., **Yao, X.J.** (2014), “Life-cycle Cost-benefit Assessment for Sustainable Performance-based Seismic Design for Reinforced Concrete Buildings”, *ASCE Journal of Architectural Engineering*, Under review

Wei, H.H., Skibniewski, M., Shohet, I., **Yao, X.J.** (2014), “Life Cycle Environmental Performance of Natural Hazard Mitigation for Buildings”, *ASCE Journal of Performance of Constructed Facilities*, Under review

Conference Proceedings

Wei, H.H., Skibniewski, M., Shohet, I., **Yao, X.J.** (2015): “Life-cycle sustainability assessment for seismic mitigation of reinforced concrete buildings,” *Proceeding, Creative Construction Conference 2015*, June 21-24, Krakow, Poland, Under review

Wei, H.H., Skibniewski, M., **Yao, X.J.**, Shohet, I. (2015): “A New Approach for Building Renovation in Mitigating Natural Hazard Risk through Public-Private Partnership,” *Second International Conference on Sustainable Urbanization*, January 7 – 9, Hong Kong, China, Abstract accepted

Wei, H.H., Skibniewski, M., **Yao, X.J.**, Shohet, I. (2014): “Decision Models for Sustainable Post-Disaster Reconstruction Strategies,” *Proceedings, Third International Conference on Urban Disaster Reduction*, September 28 – October 1, Boulder, Colorado

Recent Honors

Best Master’s Research Award, Department of Civil and Environmental Engineering, University of Maryland 2015

Skills

Microsoft Office (Word, Excel, PowerPoint, Access, etc.), Google Drive, Prezi, Adobe Photoshop, Auto CAD, ANSYS, MSC. Patran, MATLAB, Visual C++, ArcGIS