

EUN JEONG CHA

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EDUCATION

Georgia Institute of Technology, Atlanta, GA
Ph.D., Civil Engineering, August 2012

Georgia Institute of Technology, Atlanta, GA
M.S., Civil Engineering, May 2009

Seoul National University, Seoul, South Korea
B.S., Architectural Engineering, August 2006

POSITIONS HELD

Assistant Professor

Department of Civil and Environmental Engineering
University of Illinois at Urbana-Champaign
1/2014-Present

Part-time Research Faculty

Department of Mechanical Engineering
Georgia Institute of Technology
8/2013-12/2013

Postdoctoral Research Fellow

Department of Civil and Environmental Engineering
Georgia Institute of Technology
8/2012-8/2013

Instructor

Department of Civil and Environmental Engineering
Georgia Institute of Technology
1/2012-8/2013

COURSES TAUGHT

University of Illinois at Urbana-Champaign

CEE 574 Probabilistic Loads and Design
CEE 360 Structural Engineering
CEE 202 Engineering Risk & Uncertainty

Georgia Institute of Technology

COE2001 Statics

HONORS & AWARDS

Fellow of NSF Enabling the Next Generation of Hazards & Disasters Researchers Program, 2015.
ASCE/EMI Probabilistic Methods Committee student paper award, Awarded at EMI/PMC2012, 6/2012.
CERRA Student Recognition Award, Awarded at ICASP11, 8/2011.
Korean Government Scholarship, Ministry of Education and Human Resources Development, 2007-2008.
Award for Excellence, 2006 Seoul National University Annual Exhibition, 8/2006.
Seoul National University Foundation Scholarships, 2002-2006.

PROFESSIONAL SERVICE

Symposium Organizer

- “Risk Assessment of Terrorist Attack on Structures and Civil Infrastructure Systems” at ICOSSAR 2013, New York.

Affiliations

- Society for Risk Analysis (SRA)
- American Society of Civil Engineers (ASCE)
- Earthquake Engineering Research Institute (EERI)
- Korean Women in Science and Engineering (KWise)
- Korean-American Scientists and Engineers Association (KSEA)

Journal Referee

ASCE-ASME Journal of Risk and Uncertainty in Engineering Systems; Risk Analysis; Computer-aided Civil and Infrastructure Engineering; Journal of Structural Safety; Journal of Structural Engineering; Journal of Engineering Mechanics; Applied Geography

Committee

Member of Scientific Committee, ICASP12, Vancouver, Canada.
Member of Task Group 3 of the ASCE Technical Council on Life-Cycle Performance, Safety, Reliability, and Risk of Structural Systems.

PUBLICATIONS IN REFEREED JOURNALS

- J6. Cha, E.J. & Wang, Y. (2014) “Decision Making for Built Environment under Risk and Ambiguity,” *Reliability Engineering and System Safety* (Submitted; RESS-D-14-00474).
- J5. Shafieezadeh, A., Cha, E.J. & Ellingwood, B.R. (2014) “A decision framework for managing risk to infrastructure systems from terrorist attack,” *Risk Analysis* DOI: 10.1111/risa.12266.
- J4. Cha, E.J. & Ellingwood, B.R. (2013) “The role of risk aversion in nuclear plant safety decisions,” *Structural Safety* 44:28-36.
- J3. Cha, E.J. & Ellingwood, B.R. (2013) “Attitudes toward acceptance of risk to buildings from extreme winds,” *Structure and Infrastructure Engineering* 10:697-707.
- J2. Cha, E.J. & Ellingwood, B.R. (2013) “Seismic risk mitigation of building structures: the role of risk aversion,” *Structural Safety* 40:11-19.
- J1. Cha, E.J. & Ellingwood, B.R. (2012) “Risk-averse decision-making for civil infrastructure exposed to low-probability, high-consequence events,” *Reliability Engineering and System Safety* 104:27-35.