

Paolo Gardoni, Ph.D.

Department of Civil and Environmental Engineering
University of Illinois at Urbana-Champaign
Urbana, IL 61801
Phone: (217) 333-5103
Email: gardoni@illinois.edu
<http://cee.illinois.edu/faculty/paologardoni>

PROFESSIONAL PREPARATION

University of California, Berkeley	Civil Engineering	Ph.D., 2002
University of California, Berkeley	Statistics	M.A., 2001
University of Tokyo	Structural Engineering	M.E., 1997
Politecnico di Milano	Structural Engineering	Laurea, 1997

APPOINTMENTS

2012 – Present	Associate Professor, Civil and Env. Eng., Univ. of Illinois at Urbana-Champaign
2009 – 2011	Associate Professor, Civil Eng., Texas A&M University
2010 – 2011	Visiting Scholar, Civil and Env. Eng., Princeton University
2004 – 2009	Assistant Professor, Civil Eng., Texas A&M University
2002 – 2004	Consultant, ZS Associates, Princeton, NJ

SELECTED SYNERGISTIC ACTIVITIES

1. Director of the Mid-America Earthquake (MAE) Center (2012-Present)
2. Co-director of the Societal Risk Management (SRM) Program, Department of Civil and Env. Eng. at the University of Illinois at Urbana-Champaign (2011-Present)
3. Associate Director, NIST Community Resilience Center of Excellence (2015-Present)
4. Member, ASCE/SEI Technical Council on Life-Cycle Performance, Safety, Reliability and Risk of Structural Systems, Task Group 3: Risk Assessment of Structural Infrastructure Facilities and Risk-Based Decision Making (2009-Present)
5. Member, International Association for Structural Safety and Reliability (IASSAR) Subcommittee 3 on Structural Reliability and Optimization (2008-Present)
6. Member, ASCE Probabilistic Methods Committee (PMC) (2005-Present)
7. Member, International Civil Eng. Risk and Reliability Association (CERRA) (2007-Present)

RESEARCH

Interests

Reliability, risk and life cycle analysis; decision making under uncertainty; performance assessment of deteriorating systems; earthquake engineering; ethical, social, and legal dimensions of risk; policies for natural hazard mitigation and disaster recovery; sustainable and resilient development and planning.

Publications

Over 100 refereed journal articles published. Most publications are the result of interdisciplinary research activities conducted in 28 funded research projects, totaling over 25 million dollars of research funding.

Selected publications

1. Kumar, R., and **Gardoni, P.**, (2014). "Renewal theory-based life-cycle analysis of deteriorating engineering systems," *Structural Safety*, 50, 94-102.
2. Mardfekri, M., and **Gardoni, P.**, (2014). "Multi-hazard reliability assessment of offshore wind turbines," *Wind Energy*, doi: 10.1002/we.1768.
3. **Gardoni, P.**, and Murphy, C., (2014). "A scale of risk," *Risk Analysis*, **34** (7), 1208-1227.
4. Williams, R.J., **Gardoni, P.**, and Bracci, J.M., (2009). "Decision analysis for seismic retrofit of structures," *Structural Safety*, **31**, 188-196.
5. **Gardoni, P.**, Der Kiureghian A., Mosalam K.M., (2002). "Probabilistic capacity models and fragility estimates for RC columns based on experimental observations," *ASCE Journal of Engineering Mechanics*, **128** (10), 1024-1038.