

## JUDITH MITRANI-REISER

NIST  
Engineering Laboratory  
100 Bureau Drive, MS 8615  
Gaithersburg, MD 20899-8615

Office: (301) 975-0684  
Cell: (202) 604-7943  
Email: [judith.mitrani-reiser@nist.gov](mailto:judith.mitrani-reiser@nist.gov)  
Web: <https://www.nist.gov/topics/disaster-failure-studies>

Johns Hopkins University  
Dept. of Civil Engineering, Latrobe 202  
3400 N. Charles St.,  
Baltimore, MD 21218

Office: (410) 516-7763  
Cell: (202) 552-9271  
Email: [jmitrani@jhu.edu](mailto:jmitrani@jhu.edu)  
Web: [stirm.johnshopkins.edu](http://stirm.johnshopkins.edu)

### EDUCATION

**Ph.D.** | *California Institute of Technology* (2007) Applied Mechanics  
**M.S.** | *University of California, Berkeley* (2001) Structural Engineering & Mechanics of Materials  
**B.S.** | *University of Florida* (2000) Civil and Coastal Engineering

### PROFESSIONAL

<b>Director</b>	<i>National Institute of Standards and Technology, Gaithersburg, MD</i> Disaster and Failure Studies Program (2016 – Present)
<b>Asst. Prof.</b>	<i>Johns Hopkins University, Baltimore, MD</i> Department of Civil Engineering, Whiting School of Engineering (2010 – Present)
<b>Asst. Prof.</b>	Department of Emergency Medicine, JHMI, Joint Appointment (2014 – Present)
<b>Asst. Res. Prof.</b>	Department of Civil Engineering (2008 – 2010)
<b>Consultant</b>	<i>Utah Department of Health, Bureau of Emergency Management Services &amp; Preparedness</i> Developed materials for assessing loss of functionality of hospitals damaged by natural hazards; administered short workshop to Health Department employees. (2015)
	<i>AECOM (formerly URS Corporation)</i> Participated in FEMA MAT team post Hurricane Sandy, and consulted on hurricane losses avoided in code-compliant structures. (2012 – 2014)
	<i>Applied Technology Council (ATC)</i> Consulted on downtime estimation for ATC-58, funded by FEMA to develop the “Next-Generation Performance-Based Seismic Design Guidelines.” (2007 – 2009)
<b>Associate</b>	<i>Center for Refugee and Disaster Response</i> Bloomberg School of Public Health, JHU (2015 – Present)
<b>Visiting Prof.</b>	<i>Pontificia Universidad Católica de Chile, Santiago, Chile</i> Department of Structural and Geotechnical Engineering (Jan 2014, 2015, 2016)
<b>Postdoc</b>	<i>Johns Hopkins University, Baltimore, MD</i> Department of Civil Engineering with Nicolas P. Jones (2007 – 2008)
<b>Expertise</b>	<i>Earthquake Engineering</i> <i>Community Functioning</i> <i>Agent-Based Modeling</i> <i>Critical Infrastructure</i> <i>Risk Assessment</i> <i>Health Systems</i> <i>Disaster Metrology</i> <i>Structural Engineering</i> <i>Evacuation Modeling</i> <i>Resilience</i> <i>Multi-Hazard</i> <i>Emergency Preparedness</i>

**HONORS**

*George Housner Fellowship, Caltech (2002)*  
*Chancellor's Predoctoral Opportunity Fellowship, UC Berkeley (2000)*  
*Florida Scholar, UF (1996-2000)*  
*Anderson Scholar, UF (1998)*

**JOURNAL PUBLICATIONS**

**Submitted/  
Under Revision**

**Bold font indicates STIRM permanent and visiting research group members.**

(--)  
**Poulos, A., Tocornal, F.,** de la Llera, J.C., and **Mitrani-Reiser, J.** "Agent-based modeling of an evacuation process in a K-12 school in Iquique, Chile." *Structural Safety* (submitted June 2017).  
 (--)  
 Chodur, G., Zhao, X., Biehl, E., **Mitrani-Reiser, J.,** and Neff, R. "Food Security After Disasters: A Systems Modeling Approach," *American Journal of Public Health* (submitted January 2017).  
 (--)  
**Boston, M.** and **Mitrani-Reiser, J.** "Assessing the Impacts of Guidelines for the Design of Nonstructural Components on Hospital Functionality Following an Earthquake," *International Journal of Disaster Risk Reduction* (submitted November 2016).  
 (--)  
**Boston, M.,** Almufti, I., and **Mitrani-Reiser, J.** "Will code-confirming U.S. hospitals be functional after a major earthquake?" *Earthquake Spectra* (in revisions).  
 (--)  
**Mieler, M.W.** and **Mitrani-Reiser, J.,** "Mitigating multi-scale earthquake impacts: A review of the state-of-the-art in assessing loss of functionality in buildings." *Journal of Structural Engineering* (in revisions).

**Published/  
In Press**

(17) Bruneau, M., Barbata, M., Padgett, J.E., Zaghi, A., **Mitrani-Reiser, J.,** and Li, Y. "State-of-the-Art in Multihazard Design," *ASCE Journal of Structural Engineering* (in press).  
 (16) Links, J.M., Schwartz, B.S., Lin, S., Kanarek, N., **Mitrani-Reiser, J.,** Kirk Sell, T., Boddie, C.R., Ward, D., Slemph, C., Burhans, R., Gill, K., Igusa, T., **Zhao, X.,** Aguirre, B., Trainor, J., Nigg, J., Ingelsby, T., Carbone, E., and Kendra, J.M., 2017. "COPEWELL: A Conceptual Framework and System Dynamics Model for Predicting Community Functioning and Resilience after Disasters." *American Journal of Public Health*. DOI: 10.1017/dmp.2017.39  
 (15) De la Llera, J. C., Rivera, F., Jünemann, R., **Mitrani-Reiser, J.,** Fortuno, C., Rios, M., Hube, M., Santa Maria, H., and Cienfuegos, R., 2017. "Data Collection after the 2010 Maule earthquake in Chile." *Bulletin of Earthquake Engineering*, 15(2): pp. 555-588. DOI: 10.1007/s10518-016-9918-3  
 (14) Zaghi, A.E., Padgett, J.E., Bruneau, M., Barbato, M., Li, Y., **Mitrani-Reiser, J.,** McBride, A., 2016. "Forum Paper: Establishing Common Nomenclature, Characterizing the Problem, and Identifying Future Opportunities in Multi-Hazard Design," *Journal of Structural Engineering*, 142(12): pp. 1-8. DOI: 10.1061/(ASCE)ST.1943-541X.0001586  
 (13) **Poulos, A.,** de la Llera, J.S., and **Mitrani-Reiser, J.,** 2016. "Earthquake Risk Assessment of Buildings Accounting for Human Evacuation," *Journal of Earthquake Engineering and Structural Dynamics*, 46(4): pp. 561-583. DOI: 10.1002/eqe.2803  
 (12) **Mieler, M.W.,** Uma, S.R., and **Mitrani-Reiser, J.,** 2016. "Using Failure Analysis to Establish Seismic Resilience Objectives for Building Components and Systems." *Bulletin of the New Zealand Society of Earthquake Engineering* 49(1).  
 (11) **Mitrani-Reiser, J.,** Wu, S., and Beck, J.L., 2016. "Virtual Inspector and its application to immediate pre-event and post-event earthquake loss and safety assessment of buildings." *Natural Hazards*, 81(3): pp. 1861-1878. DOI: 10.1007/s11069-016-2159-6  
 (10) **Liu, Z., Jacques, C.C.,** Szyniszewski, S., Guest, J.K., Schafer, B.W., Igusa, T., and

- Mitrani-Reiser, J.**, 2016. "Agent-based simulation of building evacuation after an earthquake: coupling human behavior with structural response." *Natural Hazards Review*, 17(1), February 2016. DOI: 10.1061/(ASCE)NH.1527-6996.0000199
- (9) Rutkow, L., **Mitrani-Reiser, J.**, and Barnett, D.J., 2015. "Promoting Comprehensive Disaster Policy Through Interdisciplinary Collaboration." *Injury Prevention*. DOI: 10.1136/injuryprev-2015-041855
- (8) **Pita, G.L.**, Pinelli, J.-P., Gurley, K., and **Mitrani-Reiser, J.**, 2015. "State of the Art of Hurricane Vulnerability Models: A Review." *Natural Hazards Review*, 16(2). DOI: 10.1061/(ASCE)NH.1527-6996.0000153
- (7) **Jacques, C.**, McIntosh, J.K., Giovinazzi, S., Kirsch, T.D., Wilson, T.M., and **Mitrani-Reiser, J.**, 2014. "Resilience of the Canterbury Health Care System to the 2011 Christchurch (Mw=6.2) Earthquake, NZ", *Earthquake Spectra*, 30(1): pp. 533-554. DOI: 10.1193/032013EQS074M
- (6) **Mitrani-Reiser, J.**, Mahoney, M., Holmes, W.T., de la Llera, J.C., Bissell, R., and Kirsch, T.D., 2012. "A Functional Loss Assessment of a Hospital System in the Biobío Province." *Earthquake Spectra*, 28(S1): pp. S473-S502. DOI: 10.1193/1.4000044
- (5) **Pita, G. L.**, Pinelli, J.-P., Gurley, K., Weekes, J., and **Mitrani-Reiser, J.**, 2012. "Assessment of hurricane-induced internal damage to low-rise buildings in the Florida Public Hurricane Loss Model," *Journal of Wind Engineering and Industrial Aerodynamics*, 104-106, pp. 76-87. DOI: 10.1016/j.jweia.2012.03.023
- (4) Ramirez, M., Liel, A., **Mitrani-Reiser, J.**, Haselton, C., Spear, A., Steiner, J., Miranda, E., and G.G. Deierlein, 2012. "Seismic Damage and Monetary Loss Performance of Modern Reinforced Concrete Frame Buildings", *Earthquake Engineering and Structural Dynamics*, 14(11): pp. 1455-1475. DOI: 10.1002/eqe.2216
- (3) Kirsch, T.D., **Mitrani-Reiser, J.**, Bissell, R., Sauer, L.M., Mahoney, M., Holmes, W.T., Santa Cruz, N., de la Maza, F., 2010. "Impact on Hospital Functions Following the 2010 Chilean Earthquake." *Journal of Disaster Medicine and Public Health Preparedness*, 4(2): pp. 122-128. DOI: 10.1001/dmphp.4.2.122
- (2) Goulet, C., Haselton, C., **Mitrani-Reiser, J.**, Beck, J.L., Deierlein, G., Porter, K.A., Stewart, J.P., and Taciroglu, E., 2007. "Evaluation of the Seismic Performance of a Code-Conforming Reinforced-Concrete Building - From Seismic Hazard to Loss Results," *Earthquake Engineering and Structural Dynamics*, 36(13): pp. 1973-1997. DOI: 10.1002/eqe.694
- (1) Porter, K, **Mitrani-Reiser, J.** and Beck, J.L., 2006. "Near-Real-Time Loss Estimation for Instrumented Buildings," *The Structural Design of Tall and Special Buildings* 15 (1), 3-20, March 2006. DOI: 10.1002/tal.340

## REFEREED CONFERENCE PROCEEDINGS

- Published** \* denotes author which presented paper at conference; **bold font indicates STIRM research group member.**
- (29) **Mitrani-Reiser, J.**, Mieler, M., Kumar, H., Shrestha, S., Germaraad, M., O'Connor, K., and Kirsch, T.D., 2017. Investigating Community Resilience in Nepal: A Healthcare Focus, *Proc. Of the 16<sup>th</sup> World Conference on Earthquake Engineering*, Santiago, Chile.
- (28) Zhao, X. and **Mitrani-Reiser, J.**, 2017. Developing a Multi-hazard Weighting Scheme for Community Resilience Indicators, *Proc. Of the 16<sup>th</sup> World Conference on Earthquake Engineering*, Santiago, Chile.
- (27) Mieler, M. and **Mitrani-Reiser, J.**, 2017. Multi-scale earthquake impacts: A review of the state-of-the-art in modeling loss of functionality in buildings, *Proc. Of the 16<sup>th</sup> World Conference on Earthquake Engineering*, Santiago, Chile.
- (26) Vasquez, A., Rivera, F., de la Llera, J.C., and **Mitrani-Reiser, J.**, 2017. Healthcare network's response and resilience in Iquique after the 2014, Pisagua earthquake, *Proc. Of the 16<sup>th</sup> World Conference on Earthquake Engineering*, Santiago, Chile.

- (25) Favier, P., Rivera, F., Poulos, A., Vasquez, J., de la Llera, J.C., and **Mitrani-Reiser, J.**, 2017. Impact on Chilean hospitals following the 2015 Illapel Earthquake, *Proc. Of the 16<sup>th</sup> World Conference on Earthquake Engineering*, Santiago, Chile.
- (24) Poulos, A., Castro, S. de la Llera, J.C., and **Mitrani-Reiser, J.**, 2017. Seismic risk assessment of human evacuation in buildings, *Proc. Of the 16<sup>th</sup> World Conference on Earthquake Engineering*, Santiago, Chile.
- (23) de la Llera, J.C., **Mitrani-Reiser, J.**, Rovera, F., Fortunato, C., Junemann, R., Poulos, A., and Vasquez, J., 2015. The 2010 Chile Earthquake: a five-year reflection, *Proc., of the 9<sup>th</sup> Pacific Conference on Earthquake Engineering*, Sydney, Australia.
- (22) Di Sarno, L.\*, Manfredi, G., Magliulo, G., Petrone, C., Masi, A., Santarsiero, G., Fabbrocino, G., Rainieri, C., **Mitrani-Reiser, J.**, and Giovinazzi, S., 2015. An Approach to the Seismic Performance Assessment of Medical Components, *Proc., Annual Conference of Italian National Association of Earthquake Engineering*, L'Aquila, Italy, September 2015.
- (21) Masi, A.\*, Di Sarno, L., Manfredi, G., Santarsiero, G., Giovinazzi, S., and **Mitrani-Reiser, J.**, 2015. Seismic Risk of Italian hospitals: analysis of assessment results to define criteria for intervention prioritization, *Proc., Annual Conference of Italian National Association of Earthquake Engineering*, L'Aquila, Italy, September 2015.
- (20) **Mitrani-Reiser, J.\***, **Jacques, C.**, and **Boston, M.**, 2014. Quantifying the Performance of Healthcare Facilities in Disasters: A Multi-hazard Approach, *Proc., 10<sup>th</sup> National Conference on Earthquake Engineering*, Anchorage, AK, July 2014.
- (19) **Boston, M.\***, **Mitrani-Reiser, J.**, **Jacques, C.**, and **Liu, Z.**, 2014. Towards Assessing the Resilience of a Community in Seismic Events Using Agent-Based Modeling, *Proc., 10<sup>th</sup> National Conference on Earthquake Engineering*, Anchorage, AK, July 2014.
- (18) **Pita, G.L.\*** and **Mitrani-Reiser, J.**, 2013. Modeling Hurricane-Induced Building Downtime, *12<sup>th</sup> Americas Conference on Wind Engineering*, Seattle, WA, July 2013
- (17) Leong, E.N., Liel, A.B.\*, **Mitrani-Reiser, J.**, Guglielmo, E., Friis, D., Lombard, D., Oliveira, R., and Pekelnicky, R., 2013. Gender and Racial Diversity in the Structural Engineering, *Proc., ASCE's Structures Congress*, Pittsburgh, May 2013.
- (16) **Jacques, C.**, **Mitrani-Reiser, J.\***, and Kirsch, T.D., 2013. An All-Hazards Approach for Quantifying Loss of Function for Critical Healthcare Infrastructure, *Proc., ASCE's Structures Congress*, Pittsburgh, May 2013.
- (15) **Pita, G.L.\***, Pinelli, J-P., **Mitrani-Reiser, J.**, Cocke, S., Gurley, K., 2012. Analysis of Hurricane Andrew Insurance Claim Data for Residential Buildings, *Proc., ATC-SEI Advances in Hurricane Engineering*, Miami, FL, October 2012.
- (14) **Mitrani-Reiser, J.\***, **Jacques, C.**, Kirsch, T.D., Giovinazzi, S., McIntosh, J.K., and Wilson, T.M., 2012. Response of the Regional Health Care system to the 22nd February 2011, Christchurch Earthquake, NZ, *Proc., 15<sup>th</sup> World Conference on Earthquake Eng.*, Lisbon, Portugal, Sept. 2012.
- (13) **Liu, Z.**, Jalalpour, M., **Jacques, C.**, Szyniszewski, S., **Mitrani-Reiser, J.\***, Guest, J., Igusa, T., & Schafer, B.W., 2012. Interfacing Building Response with Human Behavior Under Seismic Events, *Proc., 15<sup>th</sup> World Conference on Earthquake Engineering*, Lisbon, Portugal, Sept. 2012.
- (12) **Liu, Z.**, **Jacques, C.\***, Jalalpour, M., Szyniszewski, S., **Adelburg, J.**, Guest, J.K., Igusa, T., Schafer, B.W., and **Mitrani-Reiser, J.**, 2012. Seismic Evacuation Model Accounting for Human-Structure Interaction, *Proc., 2<sup>nd</sup> International Conference on Evacuation Modeling and Management*, Chicago, IL, August, 2012.
- (11) McIntosh, J.K.\*, **Jacques, C.**, **Mitrani-Reiser, J.**, Kirsch, T.D., Giovinazzi, S., and Wilson, T.M., 2012. The Impact of the 22<sup>nd</sup> February 2011 Earthquake on Christchurch Hospital, *Proc., New Zealand Society for Earthquake Eng. Annual Meeting*, Wellington, New Zealand, May 2012.
- (10) **Pita, G. L.**, Pinelli, J-P.\*, Cocke, S., Gurley, K., Weekes, J., and **Mitrani-Reiser, J.**, 2011. Assessment of hurricane-induced internal damage to low-rise buildings in the

## JUDITH MITRANI-REISER

- Florida Public Hurricane Loss Model, *Proc., International Conference of Wind Engineering*, Amsterdam, Netherlands, July 2011.
- (9) **Pita, G. L.**, Francis, R.\*, **Liu, Z.**, **Mitrani-Reiser, J.**, Guikema, S. , Pinelli, J.-P., 2011. Statistical tools for populating/predicting input data of risk analysis models, *Proc., International Conference on Vulnerability and Risk Analysis and Management (ICVRAM)*, Hyattsville, MD, April 2011.
- (8) **Pita, G. L.**,\* Pinelli, J.-P., Gurley, K., Weekes, J., and **Mitrani-Reiser, J.**, 2011. Wind Vulnerability Curves for Low-Rise Commercial-Residential Buildings in the Florida Public Hurricane Loss Model, *Proc., International Conference on Vulnerability and Risk Analysis and Management*, Hyattsville, MD, April 2011.
- (7) Ryan, K.\*, Sayani, P., Baez, Y., and **Mitrani-Reiser, J.**, 2009. Comparative Life Cycle Performance Assessment of Conventional and Seismic Isolated Buildings, *Proc., International Symposium on Seismic Response Controlled Buildings for Sustainable Society*, Tokyo, Japan, September 2009.
- (6) **Mitrani-Reiser, J.**\*, Luco, N., Ryu, H., and Jones, N.P., 2009. Virtual Building Inspection for Open Risk Assessment Software, *Proc., 10<sup>th</sup> International Conference on Structural Safety and Reliability*, Osaka, Japan, September 2009.
- (5) Luco, N.\*, Martinez, E.M., Field, E.H., Ryu, H., and **Mitrani-Reiser, J.**, 2009. An Interactive Web Tool for Quantitative Risk Assessment of Woodframe Houses (“ResRisk”): A Progress Report, *Proc., 10<sup>th</sup> International Conference on Structural Safety and Reliability*, Osaka, Japan, September 2009.
- (4) Krishnan, S.\*, Komatitsch, D., Tromp, J., Muto, M., **Mitrani-Reiser, J.**, and Beck, J.L., 2008. Simulation of an 1857-like Mw 7.9 San Andreas fault earthquake and the response of tall steel moment frame buildings in southern California- A Prototype study, Seismic loss estimation based on end-to-end simulation, *Proc., 14<sup>th</sup> World Conference on Earthquake Engineering*, Beijing, China, October 2008.
- (3) Goulet, C.,\* Haselton, C.,\* **Mitrani-Reiser, J.**, Stewart, J.P., Taciroglu, E., and Deierlein, G.G., 2006. Evaluation of the Seismic Performance of a Code-Conforming Reinforced-Concrete Frame Building - Part I: Ground Motion Selection and Structural Collapse Simulation, paper NCEE-1576, *Proc., 8<sup>th</sup> Nat’l Conference on Earthquake Engineering*, San Francisco, CA, April 2006.
- (2) **Mitrani-Reiser, J.**\*, Haselton, C., Goulet, C., Porter, K.A., Beck, J.L, and Deierlein, G. 2006. Evaluation of the Seismic Performance of a Code-Conforming Reinforced-Concrete Frame Building - Part II: Loss Estimation, paper NCEE-969, *Proc., 8<sup>th</sup> National Conference on Earthquake Engineering*, San Francisco, CA, April 2006.
- (1) Porter, K.A.\*, **Mitrani-Reiser, J.**, Beck, J.L. and Ching, J.Y., 2006. Smarter Structures: Real-Time Loss Estimation for Instrumented Buildings, paper NCEE-1236, *Proc., 8<sup>th</sup> National Conference on Earthquake Engineering* San Francisco, CA, April 2006.

## OTHER PUBLICATIONS

- Reports** \* denotes author which presented paper at conference; **bold font indicates STIRM research group member.**
- (6) **Mitrani-Reiser, J.**, **Jacques, C.**, Kirsch, T., Comerio, M., Holmes, B., Mahin, S. Giovinazzi, S., McIntosh, J., and Wilson, T., 2013. “A Comparative Study on the Seismic Preparedness of Hospitals Following Recent Damaging Events.” *California Seismic Safety Commission (CSSC) Technical Report.*
- (5) Giovinazzi, S., **Mitrani-Reiser, J.**, Kirsch, T., Wilson, T.M., **Jacques, C.**, McIntosh, J.K., and Johnston, D., 2011. Assessing the Post-Earthquake Functionality of the Health System Following the Canterbury Earthquakes in NZ. Hospital Functions and Services, NHRP.
- (4) **Mitrani-Reiser, J.**, and Jones, N.P., 2010. “A Decision Support Tool for Open Risk

JUDITH MITRANI-REISER

- Assessment Software: Collaborative Research with Johns Hopkins University," *USGS Technical Report 2010 for Award No 08HQGR001*. Reston, Virginia.
- (3) Haselton, C., Goulet, C., **Mitrani-Reiser, J.**, Beck, J.L., Deierlein, G., Porter, K.A., Stewart, J.P., and Tacioglu, E., 2008. "Benchmarking of the Seismic Performance of a Code-Conforming Reinforced-Concrete Building," *PEER Technical Report 2007/12*. Berkeley, California.
- (2) Porter, K.A., J.L. Beck, J.Y. Ching, and **Mitrani-Reiser, J.**, 2004. "Real-Time Loss Estimation for Instrumented Buildings," *Earthquake Engineering Research Laboratory Report*, California Institute of Technology, Pasadena, CA.
- (1) **Mitrani, J.**, Goethals, J. and Glaser, S. 2002. "Field Testing of Wireless Interactive Sensor Nodes," *Port and Airport Research Institute Technical Report*, Yokosuka, Japan.
- Special Earthquake Reports**
- (2) Comerio, M., et al., 2011. "Learning from Earthquakes: The M 6.3 Christchurch, New Zealand, Earthquake of February 22, 2011," EERI Newsletter Insert, May 2011 (16 pp).
- (1) Moehle, J., et al., 2010. "Learning from Earthquakes: The Mw 8.8 Chile Earthquake of February 27, 2010," EERI Newsletter Insert, June 2010 (20 pp).
- Practice Oriented**
- (2) FEMA (contributing author: J. Mitrani-Reiser), 2013. P-942: *Superstorm Sandy: Observations, Conclusions, and Recommendations*, Technical Report Prepared for the U.S. Department of Homeland Security (DHS) Federal Emergency Management Agency, Washington, DC.
- (1) FEMA (contributing author: J. Mitrani-Reiser), 2012. P-58: *Seismic Performance Assessment of Buildings*, Technical Report Prepared for the U.S. Department of Homeland Security (DHS) Federal Emergency Management Agency, Washington, DC.

**CONFERENCE PRESENTATIONS/EXTENDED ABSTRACTS**

- \* denotes author which presented at conference; **bold font indicates STIRM research group member.**
- (13) **Mitrani-Reiser, J.\***, Links, J.\*, Slemp, C.\*, and Carbonne, E.\*, 2016. "CoPE-WELL: A Decision Support Tool for Predicting and Enhancing Community Functioning and Resilience Post-Disaster," Preparedness Summit, Dallas, TX, April 2016.
- (12) **Mitrani-Reiser, J.\***, 2015. "The Nepal Earthquake: Dispatches from the Field," Natural Hazards Workshop, Boulder, CO, July 2015.
- (11) **Mitrani-Reiser, J.\***, 2015. "Organizational and Institutional Resilience," Natural Hazards Workshop, Boulder, CO, July 2015.
- (10) **Jacques, C.\***, Giovinazzi, S., Kirsch, T.D., and **Mitrani-Reiser, J.** Characterization of the Canterbury, New Zealand Healthcare System for Use in Seismic Simulation. Poster session. Presented at the EERI 2015 Annual Meeting; 2015 March 29 - April 3; Boston, MA, USA.
- (9) **Jacques, C.C.\***, Giovinazzi, S., and **Mitrani-Reiser, J.**, 2014. "Quantifying the Resilience of Healthcare Systems in Earthquakes: a Practical Approach," *Proc., 3rd International Conference on Urban Disaster Reduction*, Boulder, CO, Oct 2014.
- (8) **Mitrani-Reiser, J.\***, 2014. "Quantifying Societal Impacts of Natural Disasters," Systems Institute Workshop, Johns Hopkins University, Baltimore, MD, Oct 2014.
- (9) De la Llera, J. C.\*, Rivera F., Jünemann R., **Mitrani-Reiser, J.\***, Fortuño C., Hube M., Santa María H., Ríos, M., Lagos R., Guendelman T., Candia G., Ledezma C., Hube M., Cienfuegos R., Lindenberg, J., 2014. "Post Earthquake Data Collection: the 2010 Maule Earthquake," *Post Earthquake Data Workshop*, Anchorage, AK, July 2014.
- (8) **Mitrani-Reiser, J.\***, 2013. "East Coast Earthquakes, Damage to Critical Building Systems, and Performance-Based Design," *National Society of Professional*

JUDITH MITRANI-REISER

- Engineers Meeting*, Washington, DC, Dec 2013.
- (7) **Jacques, C.\*** and **Mitrani-Reiser, J.**, 2013. "Quantifying Resilience of Healthcare Facilities," *Emergency Public Health and Disasters Conference*, Torrence, CA, May 2013.
  - (6) **Jacques, C.\***, Liu, Z., Szyniszewski, S., Schafer, B., and **Mitrani-Reiser, J.** "Modeling Post-Earthquake Evacuation of Damaged Structures: an Agent-Based Approach" Poster Session. Presented at the EERI 2013 Annual Meeting; 2013 February 12-15; Seattle, WA, USA.
  - (5) **Mitrani-Reiser, J.\***, 2013. "Applying Models of Human Behavior and Memory in Disasters Across Space and Time," *National Council for Science and the Environment (NCSE)*, Disasters & the Environment, Washington, DC, Jan 2013.
  - (4) **Jacques, C.\***, **Adelburg, J.**, & **Mitrani-Reiser, J.** "Earthquake Outreach: Design of an Educational Module for High School Students on Seismic Design in a Healthcare Context." Poster session. Presented at the EERI 2012 Annual Meeting and National Earthquake Conference; 2012 April 10-13; Memphis, TN, USA.
  - (3) **Mitrani-Reiser, J.\***, 2012. "Quantifying Loss of Function of Critical Building Systems due to Recent Seismic Events," *EERI Annual Meeting*, Memphis, TN, April 2012.
  - (2) **Mitrani-Reiser, J.\*** and Beck, J.L., 2007. Incorporating Losses Due to Repair Costs, Downtime and Fatalities in Probabilistic-Based Earthquake Engineering, *Proc., Computational Methods in Structural Dynamics and Earthquake Engineering*, Crete, Greece, June 2007.
  - (1) **Mitrani-Reiser, J.\***, 2007. "Modeling Decision Variables: Dollars, Deaths, and Downtime," *PEER Annual Meeting*, San Francisco, CA, Jan 2007. (plenary talk)

**INVITED PRESENTATIONS**

**Invited  
Seminars**

- (36) 10th ASNEngr Annual Conference, Manassas, VA, June 2017. Keynote Lecture: "Building Resilience in Nepal's Healthcare System."
- (35) Center for Risk-Based Community Resilience Planning Semiannual Meeting, Ft. Collins, CO, April 2017. Webinar: "Community Resilience: Modeling, Field Studies and Implementation."
- (34) EERI Annual Meeting, Portland, Oregon, March 2017. "It's Not Just About Buildings: Earthquakes and People."
- (33) Caltech Symposium on Making Rational Decisions Under Uncertainty and Model Complexity, Pasadena, CA, March 2017: "Performance-Based Engineering: A Framework for Assessing Critical Community Functions after Disasters"
- (32) EERI Learning from Earthquakes Travel Study Program, Santiago, Chile, January 2017. "Healthcare Recovery and Strategies in Chile, New Zealand, and Nepal."
- (31) Center of Excellence on Community Resilience Semiannual Meeting, Gaithersburg, MD, November 2016. "Disaster and Failure Studies at NIST."
- (30) International Workshop on Modeling of Physical, Economic, and Social Systems for Resilience Assessment, Washington, DC, October 2016. "Natural Disaster Impacts on Infrastructure Systems and Society."
- (29) Natural Hazards Workshop, Boulder, CO, July 2016. Panelist speaking on "Predicting Community Functioning and Resilience after Disasters: Composite of Post-Event Well-Being (CoPE-WELL)"
- (28) Utah Earthquake Resiliency Workshop, West Jordan, UT, April 2016. "State Healthcare Resiliency Efforts: What Can We Learn?"
- (27) National Institute of Standards and Technology (NIST), Engineering Lab, April 2016. "Natural Disaster Impacts on Infrastructure Systems and Society."
- (26) University of Maryland, College Park, MD, March 2016. "Natural Disaster Impacts on Infrastructure Systems and Society."
- (25) University of California, Berkeley, CA, PEER Annual Meeting, Jan 2016. "Modeling

JUDITH MITRANI-REISER

- Community Functioning Following Earthquakes.”
- (24) University of California, Berkeley, CA, SEMM Seminar, Nov 2015. “Assessment of Critical Community Functions after Disasters.”
  - (23) Structural Engineers Association of Utah/EERI-Utah Chapter Joint Lecture, Salt Lake City, UT, Oct 2015. “Assessment of Critical Community Functions after Disasters.”
  - (22) University of Connecticut, Storrs, CT, Sept 2015. “Risk Assessment of Critical Community Functions after Disasters.”
  - (21) National Institute of Building Sciences, Multihazard Mitigation Council Monthly Webinar, Sept 2015. “Disasters and Infrastructure”
  - (20) University of Pittsburg Medical Center, Baltimore, MD, Sept 2015. “Natural Disaster Impacts on Infrastructure Systems and Society.”
  - (19) University of California, Berkeley, CA, PEER Earthquake Debrief, Aug 2015. “Healthcare Facilities.”
  - (18) Utah Hospital Association, Salt Lake City, UT, May 2015. “Assessment of Healthcare Functions after Disasters.”
  - (17) University of Virginia, Dept. of Civil & Environmental Engineering, April 2015. “Risk Assessment of Critical Community Functions after Disasters.”
  - (16) University of Florida, Dept. of Civil & Environmental Engineering, March 2015. “Risk Assessment of Critical Community Functions after Disasters.”
  - (15) Utah State Health Department, March 2015. “Assessment of Healthcare Functions after Disasters.”
  - (14) University of Delaware, Disaster Research Center Seminar, Nov 2014. “Risk Assessment of Critical Community Functions after Disasters.”
  - (13) Rutgers University, School of Planning and Public Policy, Oct 2014. “Research Collaboration Network on Sustainable Cities: Buildings as Critical Health Infrastructure.”
  - (12) Virginia Tech, Dept. of Civil & Environmental Engineering, Sept 2014. “Assessment of Critical Community Functions after Disasters.”
  - (11) Pontificia Universidad Católica de Chile, Dept. of Structural & Geotechnical Engineering, Jan 2014. “Disaster Studies in the STIRM Lab.”
  - (10) Johns Hopkins University, Dept. of Environmental Health Sciences (BSPH), Dec 2013. “East Coast Earthquakes: Preparing for the Unexpected.”
  - (9) Pontificia Universidad Católica de Chile, Dept. of Structural & Geotechnical Engineering, Jan 2013. “Estimating Loss of Function of Critical Building Systems.”
  - (8) University of Puerto Rico, Mayaguez, Dept. of Civil Engineering, Nov. 2012 (2012). “Estimating Loss of Function of Critical Building Systems.”
  - (7) Carnegie Mellon University, Dept. of Civil Engineering, May 2012. “A Performance Assessment of Critical Building Systems After Recent Seismic Events.”
  - (6) Tulane University, Tulane Engineering Forum, March 2012. “Quantifying Loss of Function of Critical Building Systems due to Recent Seismic Events.”
  - (5) Johns Hopkins University, Johns Hopkins Medicine International, June 2010. “*The Impact of the 2010 Chilean Earthquake on Hospital Functions.*”
  - (4) National Institute of Standards and Technology (NIST), National Hazards Earthquake Reduction Program, April 2009. “Tools for Performance Design and Multi-Hazard Applications.”
  - (3) Rensselaer Polytechnic Institute (RPI), Dept. of Civil Engineering, Nov 2008. “Tools for Performance Design and Multi-Hazard Applications.”
  - (2) Johns Hopkins University, Dept. of Civil Engineering, April 2008. “New Structural Performance Metrics and Applications in Earthquake and Wind Engineering.”
  - (1) Caltech, Dept. of Civil Engineering, Feb 2008. “An Ounce of Prevention: Probabilistic Loss Estimation for Performance-Based Earthquake Engineering.”



**RESEARCH**

**Funding**

*Active Projects:*

- *Natural Hazards Engineering Research Infrastructure: Computational Modeling and Simulation Center*  
National Science Foundation, Oct 2016 – Sept 2021, \$4,200,000  
PI: Mahin (UC Berkeley); **Senior Personnel: Mitrani-Reiser (JHU-WSE)**
- RIPS: Quantifying Disaster Resilience of Critical Infrastructure-Based Societal Systems with Emergent Behavior and Dynamic Interdependencies  
National Science Foundation, Sept 2014 – Aug 2017, \$2,500,000  
**PIs: Mitrani-Reiser (JHU-WSE)**, Miller-Hooks (UMD); co-PIs: Green (JHU-WSE), Nigg (Delaware), Fisher-Liu (UMD)
- Public Health Systems Preparedness and Emergency Response Research Center (PERRC): Harmonization Project  
Center for Diseases Control and Prevention, Sept 2014 – Sept 2016  
PI: Links (JHU-BSPH); **Senior Personnel: Mitrani-Reiser (JHU-WSE)**
- National Research Center for Integrated Natural Disaster Management  
FONDAP Center of Excellence in Chile, Sept 2014 – Sept 2017  
PI: Cifuentes, Pontificia Universidad Católica de Chile; **International Collaborator: Mitrani-Reiser (JHU-WSE)**

*Completed Projects:*

- *Feeding the City in an Uncertain World: Creating Resilient Urban Food Systems in Baltimore and Beyond*  
JHU's 21<sup>st</sup> Century Cities Initiative, Sept 2015 – Aug 2016, \$39,961  
PI: Neff (JHU-BSPH); **co-PI: Mitrani-Reiser (JHU-WSE)**, Barnett (JHU-BSPH)
- Multi-criteria disaster vulnerability assessment: critical infrastructure, human behavior, and public policy  
National Science Foundation, Sept 2012 – Aug 2015, \$380,001  
**PI: Mitrani-Reiser (JHU-WSE)**; co-PIs: Barnett (JHU-BSPH), Rutkow (JHU-BSPH)
- Towards a Community Resilience Index  
Center for Diseases Control and Prevention, Sept 2012 – Sept 2015, \$300,000  
PI: Links, JHU-BSPH; **Senior Personnel: Mitrani-Reiser (JHU-WSE)**
- Multi-Hazard Scenario Development for Modeling Post-Disaster Behavior of Physical and Human Infrastructures  
National Institutes of Health (NIH), Jan 2013 – Jun 2013, \$149,996  
PI: Epstein (JHU-JHMI); **Subaward PI: Mitrani-Reiser (JHU-WSE)**
- Survey and Evaluation of Recent Hospital Evacuations Following Damaging Earthquakes in California, Mexico, and New Zealand  
California Seismic Safety Commission, Aug 2011 – Mar 2013, \$38,919  
**PI: Mitrani-Reiser (JHU-WSE)**; co-PI: Kirsch (JHU-JHMI)
- Interfacing Building Models under Earthquake Loading with Human Behavior  
Center for Diseases Control and Prevention, June 2011 – Sept 2011, \$148,600  
PI: Epstein (JHU-JHMI); **Subaward PI: Mitrani-Reiser (JHU-WSE)**
- NEESR-SG: TIPS - Tools to Facilitate Widespread Use of Isolation and Protective Systems, a NEES/E-Defense Collaboration  
Center for Diseases Control and Prevention, Sept 2014 – Sept 2015, \$  
PI: Ryan (Utah State University); **Subaward PI: Mitrani-Reiser (JHU-WSE)**
- Modeling Building Downtime due to Hurricane Impacts

JUDITH MITRANI-REISER

*National Science Foundation*, Jul 2008 – June 2011, \$299,999

**PI: Mitrani-Reiser (JHU\_WSE)**; coPIs: Jones (JHU-WSE); Guikema (JHU-WSE)

- A Decision Support Tool for Open Seismic Risk Assessment Software: Collaborative Research with Johns Hopkins University and USGS

*U.S. Geological Survey*, Dec 2007 – Nov 2008, \$62,159

PI: Jones (JHU-WSE); **co-PI: Mitrani-Reiser (JHU-WSE)**

**TEACHING**

**Undergraduate Courses**

*Johns Hopkins University* (2010 – Present)  
560.220 Civil Analysis, Fall 2010, '11, '12, '13, '14, '15

**Graduate Courses**

*Johns Hopkins University* (2010 – Present)  
560.630 Structural Dynamics, Fall 2014, Spring 2015, '16  
560.692 Graduate Seminar in Civil Engineering, Fall 2010, Spring 2011  
560.752 Structural Dynamics, Spring 2011, '12, Fall 2012  
560.766 Multi-Hazard Risk Mitigation, Fall 2014

**Guest Lecturer**

*Johns Hopkins University* (2012 – Present)  
305.861 Graduate Seminar in Injury Research and Policy, Spring 2015  
800.644 Topics in Interdisciplinary Medicine, Spring 2015, '16  
180.670 Intro to Public Health Emergency Preparedness, Spring 2012, '16

**Development**

*National Effective Teaching Institute (NETI)*  
3-Day Workshop in Vancouver, Canada, June 2011  
Directors: Rebecca Brent, Richard Felder, Michael Prince

**Outreach**

*Johns Hopkins University*:

- Summer Teaching Institute, JHU (May 2016)  
*Lecturer and Panelist: Course Planning*
- Preparing Future Faculty Teaching Academy, JHU (Spring 2016)  
*Faculty Mentor of PFFTA Fellow, Guanbo Bian*
- Teaching Topics and Tapas, JHU (January 2016)  
*Lecturer: Designing Active Learning Exercises*
- Preparing Future Faculty, University of Nebraska-Lincoln (2015 – 2016)  
*Faculty Mentor of PFF Fellow, Andrea Arguelles*
- Summer Teaching Institute, JHU (May 2014)  
*Lecturer and Panelist: Course Planning*
- WSE Education Innovation Seminar, Baltimore, MD (Dec 2011)  
*Lecturer: Contextualizing introductory computation*

*Pre-K – 12:*

- JHU's STEM Achievement in Baltimore Elementary Schools (2014 – 2015)  
*Faculty Mentor, John Ruhrah Elementary School*
- Bryn Mawr STEM Summer Internship (June 2014 – Sept 2014)  
*Faculty Mentor*
- Beth Tfiloh Dahan Community Day School (March 2013)  
*Lecturer: The waves under our feet*
- STEM Internships Convocation, Bryn Mawr School, Baltimore, MD (Nov 2013)  
*Lecturer: Quantifying Societal Impacts & Functional Loss of Building Systems*
- Yo! Baltimore Tutoring Project, JHU, Baltimore, MD (May 2013)  
*Lecturer: Estimating Loss of Function of Critical Building Systems*
- Engineering Innovation Summer Program, JHU, Baltimore, MD (2011; 2012)  
*Lab Director: Engineering Economical and Earthquake-Safe Hospitals*
- Caltech/LEGO Middle School Robotics Conference (2004)

## JUDITH MITRANI-REISER

### *Volunteer*

- Service** Johns Hopkins University
- (SABES) STEM Achievement in Balt. Elementary Schools (2012 – Present)  
*Faculty Advisory Board Member*
  - (PFFTA) Preparing Future Faculty Teaching Academy (2014 – 2015)  
*Faculty Advisory Board Member*
  - (GSI) Gateway Sciences Initiative: The Active Learning eStudio Project (2012)  
*Faculty Participant in Design and Use of eStudio*

## MENTORSHIP

- Postdoc Advisor** *Post-doctoral Scholars*
- Mike Mieler (2014 – 2016)
  - Gonzalo Pita (2012 – 2014)

- PhD** *Graduate Students, PhD*
- Fardad Haghpana, PhD Candidate, co-advisor
  - **Xilei Zhao, PhD Candidate, graduated May 2017**
  - **Megan Boston, PhD Candidate, graduated April 2017**
  - **Caitlin Jacques, PhD Candidate, graduated May 2016**

- MS** *Graduate Students, MSE (Coursework only):*
- Zhang Liu (2015)
  - Xinyi Lin (2013)
  - Claire Li (2011)

- Visiting Scholars** *Visiting Graduate Students:*
- Felipe Tocornal, MS Candidate at Universidad Católica de Chile (2014)
  - Alan Polous, MS Candidate at Universidad Católica de Chile (2014)
  - Gonzalo Pita, PhD Candidate at Florida Inst. of Technology (2009)

- Undergraduate Researchers** *Undergraduate Student Researchers:*
- Stephen Wong, JHU (B.S. 2015)
  - Kara Mahoney, George Mason University (B.S. 2014)
  - Linnea Cripe (B.S. 2014)
  - Amory Martin (B.S. 2014)
  - Jason Adelstein, Princeton University (B.S. 2014)
  - Majid, Jaidi, JHU (B.S. 2013)
  - Meagan Young (B.S. 2012)
  - Erin Kelly (B.S. 2012)
  - Peter Wildfeuer (B.S. 2011)

- Outreach** Johns Hopkins University:
- Homewood Postdoctoral Retreat (April 2015)  
Panelist: *Academic Careers*
  - Homewood Postdoctoral Association (Dec 2014)  
Moderator: *Careers at Primarily Undergraduate Institutions*
  - Annual Hopkins Postdoc Retreat (May 2014)  
Panelist: *Specific Aims 101*
  - Professional Development Day for Grad. Students and Postdocs (Dec 2011)  
Presentation: *Academic Career Tracks: Science and Engineering*
  - Professional Development Workshop (May 2011)  
Presentation: *Application and Interviewing in the Sciences and Engineering*
  - Johns Hopkins Workshop on NSF Grant Writing (April 2010)

JUDITH MITRANI-REISER

Presentation: *Writing a successful NSF proposal*

**Service**

*Johns Hopkins University*

- (SHPE) Society of Hispanic Professional Engineers (2010 – 2016)  
*Faculty Advisor*
- (HWPDA) Homewood Post-doctoral Association (2007 – 2010)  
*Founder and Faculty Advisor*

**PROFESSIONAL SERVICE**

**Disaster  
Fieldwork**

*NIST Disaster and Failure Studies Program*

Hurricane Matthew Flooding, North Carolina (November 2016)

*EERI Learning from Earthquakes (LFE) Program*

Gorkha Earthquake, Nepal (Hospital Team Lead, June 2015)

Christchurch Earthquake, New Zealand (Hospital Team Lead, March 2011)

Maule Earthquake, Chile (Hospital Team Lead, March 2010)

*FEMA Mitigation Assessment Team*

Hurricane Sandy (Hospital Team Lead, December 2012)

*California Seismic Safety Commission Team*

Baja California Earthquake (March 2011)

**Technical  
Committees**

*American Society of Civil Engineers – Structural Engineering Institute (ASCE-SEI)*

Multi-Hazard Risk Mitigation Committee, Vice Chair (2010 – Present)

Disaster Resilience Committee, Member (2012 – Present)

*Earthquake Engineering Research Institute (EERI)*

Learning from Earthquakes Committee, Member (2012 – Present)

*Federal Emergency Management Agency*

P-942: Mitigation Ass. Report: Hurricane Sandy, Main Comm. Member (2012 – 2013)

P-58: Seismic Performance Assess. of Buildings, Main Comm. Member (2007 – 2009)

**Professional  
Committees**

*Earthquake Engineering Research Institute (EERI)*

Nominated for Board of Directors (May 2017)

Initiatives Development Committee (2015 – Present)

Publications Committee (2011 – Present)

National Capital Chapter, Vice President (2011 – 2014)

Public Policy Committee, Member (2010 – 2014)

*American Society of Civil Engineers – Structural Engineering Institute*

Multihazard Risk Mitigation Committee, Vice Chair (2011 – Present)

SEI Young Professionals Committee, Member (2011 – 2014)

**Associate  
Editor**

*American Society of Civil Engineers*

Natural Hazards Review (2010 – 2016)

**Proposal Panels**

*National Science Foundation*

Hazard SEES (2015); CAREER (2013); CMMI (2012), CAREER (2010); IMEE (2009)

*U.S. Geological Survey*

Earthquake Effects (2012; 2008; 2007)

*National Academies of Science/USAID*

Partnerships for Enhanced Engagement in Research (PEER) Science (2014)

JUDITH MITRANI-REISER

<b>Meeting &amp; Workshop Organization</b>	<p><i>National Conference on Earthquake Engineering, Los Angeles, CA</i> Chair of Socioeconomic &amp; Public Policy Technical Program, Member (2017 – 2018)</p> <p><i>Caltech Symposium on Making Rational Decisions Under Uncertainty and Model Complexity, Pasadena, CA</i> Chair (2016 – 2017)</p> <p><i>National Conference on Earthquake Engineering, Anchorage, AK</i> Proceedings Committee, Co-Chair (2012 – 2014) Technical Committee, Member (2013 – 2014)</p> <p><i>EERI Annual Meeting &amp; National Earthquake Conference, New Orleans, LA</i> Organizing Committee (2011)</p> <p><i>Workshop on Vulnerable Pop., Comm. Resilience &amp; Health System Impact, Baltimore, MD</i> Workshop Chair (2012)</p> <p><i>Chile Earthquake Research Needs Workshop, NSF, Arlington, VA</i> Organizing Committee (2010)</p>	
<b>Journal Reviewer</b>	<p>Earthquake Spectra Earthquake Eng. &amp; Structural Dynamics Natural Hazards Review Journal of Structural Engineering Risk Analysis</p>	<p>Journal of Env. Research and Public Health Structures and Buildings Computers and Geosciences Georisk</p>
<b>Professional Associations</b>	<p>(ASCE) <i>American Society of Civil Engineers</i>, Member (1998 – Present) (EERI) <i>Earthquake Engineering Research Institute</i>, Member (2001 – Present) (SRA) <i>Society for Risk Analysis</i>, Member (2009 – 2014) (WADDEM) <i>World Assoc. for Disaster and Emergency Medicine</i>, Member (2012 – Present) (SSA) <i>Seismological Society of America</i>, Member (2013 – Present)</p>	

**INTERNAL (JOHNS HOPKINS UNIVERSITY) SERVICE**

<b>Undergraduate Academic Advisor</b>	<p><i>Major Civil Engineering Class of 2015</i> (2011 – 2015) Advisor for the 9 students in the 2015 class.</p> <p><i>Minor Civil Engineering Class of 2015</i> (2011 – 2015) Advisor for the 2 students in the 2015 class.</p> <p><i>General Engineering Students</i>: 2012 (3)</p>	
<b>Service Activities</b>	<p><i>Johns Hopkins University</i></p> <ul style="list-style-type: none"> <li>• (SSEI) Student Services Excellence Initiative, Provost Office (2016) <i>Steering Committee Member</i></li> <li>• (E2SHI) Environment, Energy, Sustainability, and Health Inst. (2015 – 2016) <i>Executive Committee Member</i></li> <li>• WSE National Advisory Council Meeting (2014) <i>Faculty Panelist</i></li> <li>• Geospatial Sciences Teaching and Research Focus Group (2010 – 2014) <i>Faculty Member</i></li> <li>• Johns Hopkins University Admissions Open House (2013) <i>Presentation: Learning from Katrina and Superstorm Sandy: Building Resilience</i></li> <li>• Johns Hopkins University Family Weekend (2012) <i>Presentation: Earthquake Engineering and Public Health Emergency Preparedness</i></li> <li>• Homewood Associates Luncheon (2012) <i>Faculty Participant</i></li> <li>• Faculty-Student Interaction Programs (2011; 2012; 2013) <i>Faculty Participant</i></li> </ul>	

JUDITH MITRANI-REISER

- Search Committee for Assistant Dean for Engineering Education Outreach (2010)  
*Search Committee Member*

*Department of Civil Engineering*

- Faculty Search Committees  
*General Search (2016); MoM Search (2015); Structures Search (2013); SI Search (2012)*
- Committee of Graduate Admissions  
*Chair (2015 – Present)*
- Committee of Student Recruitment  
*Chair (2010 – 2013), Member (2010 – 2015)*
- Committee of Undergraduate Education  
*Member (2010 – 2015)*

***Institutes &  
Centers***

*Center for Refugees and Disaster Response (CRDR)*  
*Environment, Energy, Sustainability, and Health Institute (E<sup>2</sup>SHI)*  
*Systems Institute (SI)*  
*Water Institute*