Section B:

Bibliography of Publications
Bibliography of Year 8 Publications

The publications listed in this section resulted from MCEER-sponsored research for project year 8. The list is arranged by MCEER thrust area, and further grouped by journal articles, workshop and conference proceedings, and books, book chapters and technical reports. There are 135 citations provided in this listing.

Research Program – Organized by Thrust Areas

Overarching Center-wide Cross Program Research Activities

Journal Articles


Workshop and Conference Proceedings


Seismic Evaluation and Retrofit of Lifeline Systems

Journal Articles


**Workshop and Conference Proceedings**


Seligson, H.A., Murachi, Y., Fan, Y. and Shinozuka, M., Acute Care Hospital Resource Allocation
Problem under Seismically Damaged Transportation Systems, 13th World Conference on Earthquake
Engineering, Vancouver, British Columbia, August 1-6, 2004, Paper # 1124 on CD-ROM.

Shinozuka, M., Enhancing the Resilience of Power Grids Against Extreme Events, First International
Conference on Urban Disaster Reduction, Kobe, Japan, January 18-22, 2005.

Shinozuka, M., Civil Infrastructure Systems Safety and Security, International Conference on Future

Shinozuka, M. and Dong, X., Evaluation of Hydraulic Transients and Damage Detection in Water
Systems under a Disaster Event, Third US-Japan Workshop on Water System Seismic Practices, Kobe,

Shinozuka, M., Feng, M.Q., Chou, P., Chen, Y. and Park, C., MEMS-Based Wireless Real-Time Health
Monitoring of Bridges, Third International Conference on Earthquake Engineering (3ICEE), Nanjing,

**Books, Book Chapters and Technical Reports**

Geotechnical Issues in Acute Care Facilities in California, MCEER-04-0009, Multidisciplinary Center for
Earthquake Engineering Research, University at Buffalo, September 2004, 142 p.

Rose, A., Oladosu, G., and Salvino, D., Regional Economic Impacts of Electricity Outages in Los
Angeles: A Computable General Equilibrium Analysis, Obtaining the Best from Regulation and

Shinozuka, M., and Chang, S. E., Evaluating the Disaster Resilience of Power Networks and Grids,
Chapter 14, Modeling Spatial Economic Impacts of Disasters, Okuyama, Y. and Chang, S. E. (eds.),
Heidelberg: Springer, pp. 289-310.

**Seismic Retrofit of Acute Care Facilities**

**Journal Articles**

Berman, J. W. and Bruneau, M., Steel Plate Shear Walls are not Plate Girders, AISC Engineering Journal,

Berman, J. W. and Bruneau, M., Experimental Investigation of Light-Gauge Steel Plate Shear Walls,

Berman, J. W., Celik, O. C. and Bruneau, M., Comparing Hysteretic Behavior of Light-Gauge Steel Plate

Dai, J.W., Tong, M., Lee, G.C., Qi, X.Z. and Bai, W.T., Structural Responses under Pulse-Dominant


Workshop and Conference Proceedings


Bruneau, M., Seismic Retrofit of Steel Structures, VIII Mexican Symposium on Earthquake Engineering, Tlaxcala, Mexico, September 2004.


Vian, D. and Bruneau, M., Testing of Special LYS Steel Plate Shear Walls, 13th World Conference on Earthquake Engineering, Vancouver, British Columbia, August 1-6, 2004, Paper #978 on CD-ROM.

Books, Book Chapters and Technical Reports


Emergency Response and Recovery

Journal Articles


Workshop and Conference Proceedings


Chang, S.E., Modeling How Cities Recover from Disasters, First International Conference on Urban Disaster Reduction, Kobe, Japan, January 18-20, 2005.


Books, Book Chapters and Technical Reports


Newsletter articles


User Network

Workshop and Conference Proceedings


Education

Workshop and Conference Proceedings


Purasinghe, R, and Chinello A., Push Over Analysis of Concrete Shear Walls-Comparison of Methods, Ninth East Asia Pacific Conference on Structural Engineering, Indonesia, December 2004.


Books, Book Chapters and Technical Reports


Outreach

Workshop and Conference Proceedings


Bruneau, M., Seismic Risk-Why it should be Considered and Impediments to Implementation - An Earthquake Center Perspective, ASCE Structures Congress, New York, NY, 2005.

Bruneau, M., Overview of the Multidisciplinary Center for Earthquake Engineering Research (MCEER), First International Conference on Urban Earthquake Engineering, Tokyo, Japan, March 2004.