



**Symposium on Seismic Regulations and Challenges for
Protecting Building Equipment, Components & Operations
and
University at Buffalo
Nonstructural Components Simulator (UB-NCS) Dedication**

October 12, 2007 ■ University at Buffalo

Preliminary Program – 9/26/07

Morning Symposium

8:30-8:40 **Welcoming Remarks and Introduction**

*A. Scott Weber, Chair, Department of Civil, Structural and Environmental Engineering
Michel Bruneau, Director, MCEER*

Andre Filiatrault, Director, Structural Engineering and Earthquake Simulation Laboratory

Changing Codes, Regulations and Related Developments

8:40-9:10 ■ **US Building Seismic Code Testing Requirements for Nonstructural Components**

Bob Bachman, Immediate Past Chair, ASCE 7 Seismic Task Committee, 2002-2005 Cycles

9:10-9:40 ■ **California's Hospital Seismic Upgrade Program (SB 1953)**

Chris Tokas, California Office of Statewide Health Planning and Development (OSHPD)

Implementation Issues & Challenges

9:40-10:00 ■ **Codes + Implementation + Qualification = Risk Reduction**

*Jim Carlson, Omaha Public Power District,
Member, ASHRAE TC 2.7 Seismic and Wind Restraint Design*

10:00-10:20 ■ **The Business Imperatives of Seismic Resilience**

Jay Lewis, Terra Firm, Inc.

10:20-10:40 ■ **Challenges of Large-Scale Distributed Systems Testing**

Shannon Rose, ISAT Seismic Bracing

10:40-10:55 **Break**

10:55-11:15 ■ **Harmonizing Protection of Buildings, Equipment & Contents**

Scott Campbell, Kinetics Noise Control

11:15-11:35 ■ **Ceiling Systems – One Manufacturer's Perspective**

Paul Hough, Armstrong World Industries

Seismic Qualification and Testing of Equipment

11:35-11:55 ■ **Seismic Qualification of Equipment by Analysis**

Steve Eder, Facility Risk Consultants, Inc.

11:55-12:15 ■ **Seismic Qualification and Fragility Testing of Nonstructural Components**

Andre Filiatrault, Director, SEESL

12:15-12:35 ■ **Development of a Qualification Test Protocol for Distributed Nonstructural Components**

Rodrigo Retamales, Department of Civil, Structural and Environmental Engineering

12:35-1:00 **Panel Discussion**

1:00-2:30 **Luncheon**

■ **The UB Nonstructural Components Simulator
and Composite Hospital Room Demonstration**

Gilberto Mosqueda, Department of Civil, Structural and Environmental Engineering

Afternoon UB-NCS Dedication

3:00-4:30 **Demonstration**

