



9th US National and 10th Canadian Conference on Earthquake  
Engineering: *Reaching Beyond Borders*

**toronto** July 25-29, 2010

9ième Conférence Nationale Américaine et 10ième Conférence  
Canadienne de Génie Parasismique: *Au delà des Frontières*

**Conference Co-Sponsors**  
Earthquake Engineering  
Research Institute

The Canadian Association for  
Earthquake Engineering

L'Association Canadienne du  
Génie Parasismique

**Organizing Committee**

Andre Filiatrault, Co-Chair  
*State University of New York*

Ahmed Ghobarah, Co-Chair  
*McMaster University*

**Subcommittee Co-Chairs**

**Technical Program**

Shamim Sheikh  
*University of Toronto*

Catherine French  
*University of Minnesota*

**Proceedings**

Ellen M. Rathje  
*University of Texas Austin*

Gail M. Atkinson  
*University of Western Ontario*

**Publicity**

Svetlana Brzev  
*British Columbia Institute  
of Technology*

Mary Goodson  
*CH2M HILL*

**Fundraising**

Glenn Bell  
*Simpson Gumpertz & Heger, Inc.*

Tibor Kokai  
*Halcrow Yolles Consulting  
Engineering Co.*

**Events**

John C. Wilson  
*McMaster University*

Lucy A. Arendt  
*University of Wisconsin*

**Exhibits**

Donald J. Goralski  
*MCEER*

Michael Gilmor  
*Canadian Institute of Steel  
Construction*

**Logistics**

Susan K. Tubbesing  
*EERI*

Constantin Christopoulos  
*University of Toronto*

**Technical Tours**

Reza Kianoush  
*Ryerson University*

Gilberto Mosqueda  
*State University of New York*

## Primary Topics and Subtopics

- **Ground Motion, Seismicity, Seismic Hazard Assessment, and Seismic Risk**
  - Ground Motion
  - Seismicity
  - Seismic Hazard Assessment
  - Seismic Risk
  - Multi-Hazard Effects and Considerations
- **Soils, Foundations, Soil-Structure Interaction and Soil Stability**
  - Soil Characterization and Dynamic Soil Properties
  - Building Structures and Foundations, including Passive Isolation
  - Soil-Structure Interaction
  - Soil Stability
- **Buildings, Structural and Nonstructural Systems**
  - Reinforced Concrete Buildings
  - Masonry Buildings
  - Steel Buildings
  - Wood Buildings
  - Design Criteria: Seismic Design Codes, including Performance-Based Design
  - Practice: Design and Construction
  - Nonstructural Components
  - Repair and Retrofit of Structures and Foundations
  - Experimental Research
  - Numerical Research
- **Bridge Structures**
  - Bridge Foundations
  - Bridge Design Criteria: Seismic Design Codes, including Performance-Based Design
  - Practice: Design and Construction of Bridges
  - Bridge Structures and Foundations including Passive Isolation
- **Lifelines**
  - Lifelines
  - Pipelines
  - Dams, levees, ports
  - Urban and regional networks and systems
- **Seismic Isolation, Energy Dissipation and Control Systems**
  - Seismic Isolation
  - Energy Dissipation
  - Active Control
- **Post-Earthquake Response, Damage Assessment, and Recovery**
  - Post-Earthquake Response
  - Damage Assessment and Recovery
  - Tools for Reconnaissance
- **Repair and Retrofit of Structures and Foundations**
- **Socio-Economic Issues, Education, and Public Policy**
  - Socio-Economic Issues
  - Education
  - Public Policy
  - Urban and Regional Design
  - Seismic Awareness
  - Preparedness
  - Post-Earthquake Response
  - Risk Analysis and Risk Management
  - Loss Estimation and Modeling
  - Damage Assessment and Recovery
  - Community Resilience
- **Lessons Learned from Recent Earthquakes**
- **Experimental Methods, Information Technology, and Collaborative Tools**
  - New Test Methods
  - Hybrid Simulation
  - Information Technology
  - Data Archiving and Curation
  - Collaborative Research Tools
  - Tools for Reconnaissance
- **Earthquake and Multiple Hazard Design**



9th US National and 10th Canadian Conference on Earthquake  
Engineering: *Reaching Beyond Borders*

**toronto** july 25-29, 2010

9ième Conférence Nationale Américaine et 10ième Conférence  
Canadienne de Génie Parasismique: *Au delà des Frontières*

**Conference Co-Sponsors**  
Earthquake Engineering  
Research Institute

The Canadian Association for  
Earthquake Engineering  
L'Association Canadienne du  
Génie Parasismique

--	--