



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

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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**



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