

Sessions-at-a-Glance



Sunday, July 25, 2010

Monday, July 26, 2010

Opening Plenary Session 17:00–19:00 <i>Metro Centre-East</i>	Monday Plenary Session 8:00–9:30 <i>Metro Centre-East</i>
Welcome and Bienvenue	Scenario Spectra for Design Ground Motions and Risk Calculation
U.S. Federal Programs: Dept. of Energy, Nuclear Regulatory Commission	Future Directions in Geotechnical Earthquake Engineering
The 21st Century Goal for Seismic Safety: Resilient Cities	Understanding Interdependencies Among Critical Infrastructures
The Role of Structural Consultants and Design Practitioners in the Development of Canadian Earthquake Codes	Societal Dimensions of Earthquakes and Other Disasters: Findings in Search of Theory
Overview of the U.S. National Earthquake Hazards Reduction Program	

Monday, July 26, 2010

Oral Sessions

Room/Track	10:00 - 11:40	Room/Track	13:00 - 14:40	Room/Track	15:40 - 17:20
Metro Centre BS	M1. Design & Assessment of Reinforced Concrete Buildings	Metro Centre BS	M11. Design & Assessment of Steel & Wood Buildings	Metro Centre BS	M21. Performance-Based & Displacement-Based Design
Marine LL	M2. Dams & Levees	Harbour B RC	M12. Concrete Frame Structures	Harbour B RC	M22. Concrete Columns
Pier 5 RE	M3. Fiber-Reinforced Polymer Column Retrofit	Marine LL	M13. Lifelines: Pipelines	Harbour A ST	M23. Special Session: Seismic Engineering of Controlled-Rocking Systems for Steel Framed Structures
Pier 4 WB	M4. Special Session: Changes in the Seismic Design of Wood Buildings to Reach New Heights	Pier 5 RE	M14. Repair & Retrofit of Composite Frames	Pier 5 RE	M24. New & Different Retrofit Techniques
Harbour C NIT	M5. Seismic Input & Analysis Strategies	Harbour C NIT	M15. Seismic Behavior & Analysis of Structures	Marine WB	M25. Seismic Response of Wood Buildings
Harbour B RC	M6. Seismic Behavior of RC Wall Elements & Systems	Pier 4 SEP	M16. Special Session: School Retrofit Program	Harbour C NIT	M26. Case Studies in Seismic Response
Metro East PS	M7. Special Session: Highlights of Ongoing Activities of NEES Tools for Isolation & Protective Systems (TIPS) Project	Metro East PS	M17. Analysis & Testing of Isolators	Pier 4 SEP	M27. Special Session: Seismic School Safety -- How to Reduce the Threat?
Regatta MH	M8. Special Session: Structures in Fire & Earthquake	Regatta MH	M18. Special Session: Structures in Fire & Earthquake Panel	Regatta EX	M28. Full-Scale Laboratory & Field Tests
Harbour A GM	M9. Site & Basin effects	Harbour A GM	M19. On the Basis for Ground Motion Prediction Equations (GMPEs)	Metro East PS	M29. New Behavior Modes for Isolated Systems
Pier 2 & 3 PPF	M10. Special Session: Canadian Seismic Research Network	Pier 2 & 3 PPF	M20. Special Session: The Future of the Network for Earthquake Engineering Simulation (NEES)	Pier 2 & 3 SR	M30. Ground Motion, Seismicity, & Seismic Risk

Poster Session 14:40 - 15:40 *Frontenac Room*

ST	Seismic Design & Performance of Steel Structures	SEP	Lessons Learned from Recent Earthquakes
BR	Seismic Design & Performance of Bridges	PER/DAR	Post-Earthquake Response, Damage Assessment, & Recovery
WB	Seismic Response of Wood Buildings	SEP	Public Policy & Seismic Awareness
PS	Protective Systems	SEP	Education
PS	Energy Dissipation Systems	SEP	Preparedness

TOPIC TRACKS:

BR: Bridge Structures

BS: Buildings, Structural & Nonstructural Systems

DAR: Damage Assessment & Recovery

MH: Earthquake & Multiple Hazard Design

EX: Experimental Methods

GM: Ground Motion

LL: Lifelines, incl. Dams, Levees, Ports

MA: Masonry Buildings

NS: Non-Structural Components

NIT: Numerical Research, Information Technology, & Collaborative Tools

PPF: Past, Present, & Future Overview

PER: Post-Earthquake Response

PS: Protective Systems, Seismic Isolation, Energy Dissipation & Control Systems

RC: Reinforced Concrete Buildings

RE: Repair & Retrofit of Structures & Foundations

SR: Seismicity, Seismic Hazard Assessment, Seismic Risk

SEP: Socio-Economic Issues, Education, & Public Policy

SSI/SF: Soil Structure Interaction/Soils, Foundations

ST: Steel Buildings

TSU: Tsunami - 4th Int'l Tsunami Symposium

WB: Wood Buildings

Sessions-at-a-Glance continued

Tuesday, July 27, 2010

Oral Sessions

Room/Track	8:00 - 9:40	Room/Track	10:10 - 11:40
Pier 2 & 3 <i>BR</i>	T1. Seismic Isolation of Bridges	Pier 2 & 3 <i>BR</i>	T11. Bridge Design 1
Harbour C <i>BS</i>	T2. Varied Aspects of Seismic Structural Response & Behavior	Harbour C <i>BS</i>	T12. Aspects of Seismic Analysis
Harbour B <i>RC</i>	T3. Response of Concrete Structures 1	Harbour B <i>RC</i>	T13. Masonry-Infilled & RC Walls
Harbour A <i>ST</i>	T4. Special Session: Large-Scale Testing of Steel Frame Structures	Harbour A <i>ST</i>	T14. Special Session: Steel Structures, Anchors & Stainless steel
Marine <i>LL</i>	T5. Pipelines, Wharfs, & Off-Shore Structures	Pier 5 <i>SSI/SF</i>	T15. Soil Stability
Pier 7 & 8 <i>RE</i>	T6. Retrofit of Historic Buildings & Masonry	Pier 4 <i>SEP</i>	T16. Special Session: Capacity for Seismic Risk Reduction in Developing Countries Panel
Queens <i>NIT</i>	T7. Seismic Analysis & System Identification	Queens <i>DAR</i>	T17. Damage Assessment Through Remote Sensing
Pier 4 <i>SEP</i>	T8. Special Session: Appropriate Building Technologies for Reducing Seismic Risk in Developing Countries (Panel)	Marine <i>TSU</i>	T18. 4th Int'l Tsunami Symposium: Tsunami Instrumentation & Warning System: Risk Analysis
Regatta <i>EX</i>	T9. Inelastic Behavior of Components & Subassemblages	Regatta <i>PPF</i>	T19. Special Session: Historical Aspects of Earthquake Engineering
Pier 5 <i>SR</i>	T10. Seismic Risk & Assessment	Pier 7 & 8 <i>EX</i>	T20. Special Session: Earthquake Damage & Control of Infrastructure in Urban Areas
Room/Track 13:30 - 15:10			
Pier 2 & 3 <i>BR</i>	T21. Bridge Design 2	Pier 2 & 3 <i>BR</i>	T31. Seismic Performance of Bridges 1
Harbour C <i>BS</i>	T22. Loss Estimation & Other Aspects of Seismic Response	Harbour C <i>BS</i>	T32. Special Session: Seismic Design Codes in the US & Canada
Harbour B <i>RC</i>	T23. Response of Concrete Structures 2	Harbour B <i>RC</i>	T33. Response of Concrete Structures 3
Harbour A <i>ST</i>	T24. Experimental Evaluation of Steel Components	Harbour A <i>ST</i>	T34. Seismic Performance of Steel Components & Connections
Pier 5 <i>SSI/SF</i>	T25. Soil-Structure Interaction & Soil Stability	Pier 5 <i>SSI/SF</i>	T35. Soil-Foundation Interaction
Queens <i>NIT</i>	T26. Special Session: Recent Advances in Hybrid Simulation	Queens <i>EX</i>	T36. Experimental Methods
Regatta <i>SEP</i>	T27. Special Session: Seismic Risk Assessment & Management of Civil Infrastructure 1	Regatta <i>SEP</i>	T37. Special Session: Seismic Risk Assessment & Management of Civil Infrastructure 2
Pier 4 <i>PS</i>	T28. Isolated Systems	Pier 4 <i>PS</i>	T38. Seismic Design with Supplemental Damping Systems
Pier 7 & 8 <i>SR</i>	T29. Seismic Hazards 1: A Global Overview	Marine <i>PER/SEP</i>	T39. Special Session: Using Technology to Influence Individual, Social, Organizational, & Community Behavior before & after an Earthquake (Panel)
Marine <i>TSU</i>	T30. 4th Int'l Tsunami Symposium: Tsunami Engineering: Experimental Modeling	Pier 7 & 8 <i>SR</i>	T40. Seismic Hazards 2: Evaluation of Methodologies

Poster Session 15:10 - 16:10 <i>Frontenac Room</i>			
<i>LL</i>	Lifelines	<i>SSI/SF</i>	Soils, Foundations, Soil-Structure Interaction & Soil Stability
<i>LL</i>	Dams & Ports	<i>EX/NIT</i>	Experimental Methods, Information Technology, & Collaborative Tools
<i>RE</i>	Repair & Retrofit of Structures & Foundations	<i>NIT</i>	Numerical Research

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DAR: Damage Assessment & Recovery
MH: Earthquake & Multiple Hazard Design
EX: Experimental Methods
GM: Ground Motion
LL: Lifelines, incl. Dams, Levees, Ports

MA: Masonry Buildings
NS: Non-Structural Components
NIT: Numerical Research, Information Technology, & Collaborative Tools
PPF: Past, Present, & Future Overview
PER: Post-Earthquake Response
PS: Protective Systems, Seismic Isolation, Energy Dissipation & Control Systems

RC: Reinforced Concrete Buildings
RE: Repair & Retrofit of Structures & Foundations
SR: Seismicity, Seismic Hazard Assessment, Seismic Risk
SEP: Socio-Economic Issues, Education, & Public Policy
SSI/SF: Soil Structure Interaction/Soils, Foundations
ST: Steel Buildings
TSU: Tsunami - 4th Int'l Tsunami Symposium
WB: Wood Buildings



Wednesday, July 28, 2010

Plenary Session 8:00–9:30 Metro Centre-East	
THE HAITI AND CHILE EARTHQUAKES OF 2010	
Haiti: Relationship between Geotechnical Conditions and Damage Patterns	Performance of Buildings in the Haiti Earthquake
Chile: Geo-Engineering Reconnaissance	Performance of Buildings in the Chile Earthquake
Social and Economic Challenges for Recovery in Haiti	Ground Shaking from the Chile Earthquake: Applications to Cascadia

Oral Sessions

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Metro Centre BR	W1. Seismic Performance of Bridges 2	Metro Centre BR	W11. Seismic Performance of Bridges 3	Metro Centre BR	W22. Seismic Performance of Bridges 4
Harbour C BS	W2. Special Session: Evaluation of Collapse Performance — Example Applications of FEMA P695 (ATC-63) Methodology	Harbour B RC	*W13. Special Session: RC Wall Systems — State of Art & Practice Part II: Low-Rise Wall & Coupling Beam Testing & Modeling	Harbour A ST	W23. Numerical Modeling of the Seismic Behavior of Steel Components & Systems
Harbour B RC	W3. Special Session: RC Wall Systems - State of Art & Practice Part I: Slender Wall Testing & Modeling	Harbour A ST	W14. Seismic Performance of Systems	Pier 5 MA	W24. Seismic Analysis & Performance of Masonry
Harbour A ST	W4. Seismic Design & Performance of Steel Structures	Pier 4 PER/SEP	W15. Special Session: Scenarios with Planning, Response, & Recovery	Pier 4 SSI-SF	W25. Special Session: Soil-Structure-Engineering Interaction
Pier 2 & 3 SSI-SF	W5. Special Session: Soil Liquefaction	Regatta NS	W16. Special Session: Seismic Risk Reduction of Nonstructural Building Components 1	Regatta NS	W26. Special Session: Seismic Risk Reduction of Nonstructural Building Components 2
Pier 5 SEP	W6. Socio-Economic Issues of Public & Commercial Buildings	Pier 5 SEP	W17. Social Scientific Perspectives on Seismic Awareness & Risk Management	Harbour B RC	W27. Special Session: Mitigating Risk Due to Older Concrete Buildings
Metro East PS	W7. Metallic Yielding Damping Systems	Metro East PS	W18. Advanced Damping Systems I	Metro East PS	W28. Advanced Damping Systems II
Regatta MH	W8. Earthquake & Multihazard Design	Pier 2 & 3 MH	W19. Special Session: SMIS/EERI Workshop on Hospitals & Natural Hazards	Marine DAR	W29. Damage Assessment & Repair of Buildings
Pier 4 GM	W9. Near Fault Effects	Harbour C GM	W20. Strong Motion Data & Use	Pier 2 & 3 PER/SEP	W30. Post-Earthquake Response & Preparedness & Education
Marine TSU	W10. 4th Int'l Tsunami Symposium: Chile & Haiti Earthquake Tsunami Impacts & Numerical Modeling	Marine TSU	W21. 4th Int'l Tsunami Symposium: Tsunami Preparedness - Numerical Modeling	Harbour C GM	W31. Ground Motion Parameters

*W12 CANCELLED

Poster Session 14:40 – 15:40 Frontenac Room	
MH	Earthquake and Multiple Hazard Design
RC	Reinforced Concrete Buildings
MA	Performance of Masonry
NS	Nonstructural Building Components
BS	Seismic Design Codes and Criteria
GM	Ground Motion and Seismicity
SR	Seismic Hazard Assessment and Seismic Risk
EX	Experimental Research
NIT	Hybrid Simulation

Thursday, July 29, 2010 Oral Sessions

Room/Track	8:00 - 9:40
Metro Centre/BR	Th1. Seismic Performance of Bridges 5
Harbour A/ST	Th2. Performance-Based Plastic Design
Pier 5/MA	Th3. Seismic Vulnerability of Masonry Structures
Pier 4/SSI-SF	Th4. Soils, Foundation and Stability
Metro East/NIT	Th5. Seismic Analysis of Concrete Structures
Regatta/NS	Th6. Seismic Risk Reduction of Nonstructural Building Components 3
Harbour B/RC	Th7. Special Session: Mitigating Risk Due to Older Concrete Buildings Panel
Pier 2 & 3/DAR	Th8. Structural Health Monitoring
Harbour C/GM	Th9. Shaking and Damage

Closing Plenary Session 10:10–12:30 Metro Centre-East