

# Oral Presentations

## Monday, 22 June 2009

### Opening Speeches (appr 3 min each)

- Tankut, *Organising Committee*
- Harp, *Turkish Chamber of Civil Engineers*
- Econopoulos, *European Council of Civil Engineers*
- Medem, *World Council of Civil Engineers*
- Şahin, *İstanbul Technical University*
- Minister/Deputy, *Ministry of Public Works & Settlement*

### Session 1: Seismic Assessment of Structures

- Şadan & Petrini, *Direct Displacement Based Seismic Assessment Procedure for Multi-span RC Bridges*
- Yılmaz et al, *On Seismic Performance Evaluation of a Concrete Building According to the Turkish Seismic Code*
- Jain et al, *Rapid Visual Screening Procedure for Seismic Evaluation of RC Frame Buildings in India*
- Yılmaz et al, *Demand Analysis in Seismic Assessment*
- Amiri, *Seis Evaluation of Steel Moment Frame Buildings*

### Session 2: Seismic Retrofit of Structures

- Kubin et al, *A New Approach for Assessment & Retrofit Designs of RC School Buildings in Turkey*
- Miyamoto et al, *Development of Guidelines and Effective Retrofit Strategies for Public Schools in İstanbul*
- Sucuoğlu & Karageyik, *Retrofit Solutions for School Bldgs*
- Gökdemir et al, *Strengthening of RC Beam-column Joints*
- Vintzileou & Palieraki, *Shear Transfer along Interfaces in Repaired/Strengthened RC Elements under Cyclic Actions*
- Okuyucu et al, *Effects of Panel Strength on the Seismic Performance of RC Frames Strengthened with PC Panels*

### Session 3: Seismic Retrofit of Structures

- Cortes & Palermo, *Modelling of Repaired RC Shear Walls*
- Canbolat et al, *Shear Wall Index for Seismic Perf of RC Blgs*
- Karalar & Dicleli, *Seismic Retrofitting of Chevron Braced Steel Frames Based on Averting Brace Buckling*
- Miyamoto & Gilani, *Survey of Damaged School and Hospital Buildings in Wenchuan EQ and Retrofit Options*
- Yılmaz et al, *Comparative Evaluation of the Methods Given in the Turkish Seismic Code (2007)*
- Okuyucu et al, *Shear Behaviour of Hollow Brick Wall Panels Strengthened with PC Panels or Fibre Reinforced Plaster*

## Tuesday, 23 June 2009

### Session 4: Tsunami & Hydraulics

- Kirby et al, *Basin Scale Tsunami Propagation Modelling: Implementation of Curvilinear Grid in Spherical Coord*
- Allsop et al, *Modelling of Violent Flow Impacts Using a New Tsunami Generator*
- Nistor, *Tsunami Risk for the Canadian Coastlines*
- Kaystrenko, *Probability Model for Tsunami Activity around Southern Kuril Islands*
- Eliasson et al, *A Sensitivity Study of the Tsunami Hazard on the South Coast of Iceland*

### Session 5: Tsunami Effects on Structures

- Palermo & Nistor, *Quantifying Tsunami Loads for Design & Assessment of Infrastructure*
- Arikawa, *Concrete Walls under Impulsive Tsunami Load*
- Yüksel et al, *Breakwaters with Cube Armour Units*
- Aydan, *Seismic & Tsunami Hazard Potential in Indonesia*
- Strusinska et al, *Artificial Reef as Tsunami Protection*

### Session 6: Geotechnical Earthquake Engineering

- Sawada, *Countermeasure against Liquefaction of Sand with Chemical Grouting for Existing Pile Foundations*
- Erdemgil & Bakır, *Highly Expansive Polymer Appl to Prevent Seismically Induced Foundation Damage*
- Eseller-Bayat et al, *A New Mitigation Technique for Preventing Liquefaction Induced Building Damages*
- Olgun et al, *Long Term Benefits of Ground Improvement*
- Rahhal, *Site Effects during Saguenay EQ, Canada*
- Amiri et al, *Performance of Integral-abutment Bridges and Geotextile Tensile Reinforcement Back-Fill Systems*
- Chu, *Microbial Geotechnical Engineering*

### Session 7: Structural Modelling

- Treyger et al, *Seismic Performance of the New Tacoma Narrows Suspension Bridge*
- Mitoulis & Tegos, *Analytical Investigation on the Earthquake Resistance of a Restrainer for Bridges*
- Hwang & Wu, *Procedure for Analysing Residual Deformation of Earth Dam under Seismic Loading*
- Özakgöl et al, *Seismic Response of Steel Space Frames*
- Chowdhury & Ghosh, *Estimating Hysteretic Energy Demand on Plan Asymmetric Buildings*
- Tabatabaei et al, *Seismic Demands for Performance Evaluation of Unsymmetrical Buildings*

### Session 8: Short Presentations

- Liolios et al
- Tegos et al
- Buket et al
- Kellow
- Kumar
- Destegül
- Alarslan

## Wednesday, 24 June 2009

### Session 9: Seismic Protection

- D'Ayala & Ansal, *Non-linear Push Over Assessment of Historic Buildings to Define Vulnerability Functions*
- Tankut & Pınarbaşı, *Monitoring of a Leaning Minaret*
- Wight et al, *Coupled Wall Systems for EQ Motions with High-performance Fibre Reinforced Concrete*
- Theodoros, *Influence of Steel Ratio and Bar Diameter in Boundary Elements of Shear Walls*

### Session 10: Seismic Control

- Alhan & Göktaş, *Effects of Near-field EQ on Seismically Isolated Buildings*
- Nawrotzki, *Passive Control Strategies for Buildings*
- Medeot, *Re-centring Capability of Seismic Isolation Systems: A Controversial Matter*
- Oliveira, *Strong Motion Records Obtained in Azores*
- Kassoul et al, *Local Ductility in Dissipative Beams*

### Session 11: Seismic Risk Mitigation

- Egbelakin & Wilkinson, *Enhancing Seismic Retrofit Implementation: A Motivational Perspective*
- Giovinnazzi & Pampanin, *Multi-criteria Approach to Seismic Risk Mitigation Analysis*
- Chen et al, *Earthquake Early Warning System in Taiwan*
- Javanbarg et al, *Fuzzy Support Systems for Seismic Upgrading of Critical Infrastructure Systems*

### Panel : Disaster Mitigation Policies

Mediator : Gökçe, *İstanbul Branch, TCCE*

Speakers : Zakout, *World Bank (to be confirmed)*

Yamashita, *Japan International Cooperation Agency*

Elgin, *ISMEP, Governorship of İstanbul*

Atakan, *Turkish Court of Accounts*

### Closing Remarks (appr 5 min each)

- Tankut, *Organising Committee*
- Tassios, *International Advisory Board, ECCE*
- Colon, *International Advisory Board, WCCE*

**WCCE-ECCE-TCCE Joint Conference**  
**EARTHQUAKE & TSUNAMI - Civil Engineering Disaster Mitigation Activities Implementing Millennium Development Goals**

# General Programme

	Monday, 22 June 2009	Tuesday, 23 June 2009	Wednesday, 24 June 2009
9:30 am	Registration (Sun 2:00-6:00 pm & Mon 8:00 am onwards)	<u>Keynote</u> <b>Saatçioğlu</b> , Tsunami Induced Forces on Structures	<u>Keynote</u> <b>Tassios</b> , Seismic Protection of Monuments
10:00	Opening Ceremony	<u>Session 4</u> (Chair: Yüksel) <b>Tsunami &amp; Hydraulics</b>	<u>Session 9</u> (Chair: Çılı)
10:30	<u>Keynote</u> <b>Sözen</b> , Is the Domed City Doomed?		<b>Seismic Protection</b>
11:00	Coffee Break	Coffee Break	Coffee Break
11:30	<u>Keynote</u> <b>Jirsa</b> , Use of CFRP to Strengthen RC Structures	<u>Keynote</u> <b>Lanmin</b> , Lessons from Wenchuan Earthquake	<u>Keynote</u> <b>Erdik</b> , Seismic Isolation of Buildings
12:00	<u>Session 1</u> (Chair: Karadoğan)	<u>Session 5</u> (Chair: Yalçınar) <b>Tsunami Effects on Structures</b>	<u>Session 10</u> (Chair: Taşdemir) <b>Seismic Control</b>
12:30	<b>Seismic Assessment of Structures</b>		
1:00 pm	Lunch	Lunch	Lunch
1:30			
2:00	<u>Keynote</u> <b>Ersoy</b> , Seismic Rehabilitation of RC Buildings	<u>Keynote</u> <b>Ishihara</b> , New Challenges in Geotechnics	<u>Keynote</u> <b>Hamada</b> , CE's Role in a Safe & Secure Society
2:30	<u>Session 2</u> (Chair: Özcebe) <b>Seismic Retrofit of Structures</b>	<u>Session 6</u> (Chair: Özyaydın) <b>Geotechnical Earthquake Engineering</b>	<u>Keynote</u> <b>Dolce</b> , Seismic Risk Mitigation in Italy
3:00			<u>Session 11</u> (Chair: İlki)
3:30			<b>Seismic Risk Mitigation</b>
4:00	Coffee Break	Coffee Break	Coffee Break
4:30	<u>Keynote</u> <b>Spence</b> , EQ Risk Mitigation-The Global Challenge	<u>Keynote</u> <b>Ansal</b> , Microzonation for Urban Planning	<u>Panel</u> <b>Disaster Mitigation Policies - An Elaboration on the Basis of İstanbul</b>
5:00	<u>Session 3</u> (Chair: Kubin) <b>Seismic Retrofit of Structures</b>	<u>Session 7</u> (Chair: Özmen) <b>Structural Modelling</b>	
5:30			
6:00			
6:30	Welcome Cocktail	<u>Session 8</u> (Chair: Bakır) <b>Short Presentations</b>	<u>Closing Remarks</u>
8:00	Free	Gala Dinner	Free

**Note:** Please see the reverse side of the sheet for session details.