On behalf of ISSMGE Technical Committee (TC 203) on “Earthquake Geotechnical Engineering and Associated Problems” we take great pleasure in inviting you to the International Conference on Earthquake Geotechnical Engineering From Case History to Practice in honor of Prof. Kenji Ishihara to be organized in Istanbul, Turkey during 17-19 June, 2013.

Prof. Dr. Atilla ANSAL
Conference Chairmen
Özyeğin University, Turkey

Prof. Dr. Mohamed SAKR
Conference Chairmen
Tanta University, Egypt
IMPORTANT DATES
Abstract Submission Deadline: 31 March 2013
Notice of Acceptance: 15 April 2013
Early bird Registration Deadline: 1 May 2013

ABSTRACT SUBMISSIONS
Registration is required for each accepted abstract by 31 March, 2013. Abstract Submissions are available on Conference web site at www.icege2013.org

REGISTRATION
Prices are VAT included.

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<th>Registration</th>
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<tr>
<td>Before May 1</td>
<td>€ 300</td>
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<tr>
<td>Before June 1</td>
<td>€ 350</td>
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<td>On Site</td>
<td>€ 400</td>
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ACCOMMODATION
Hotels in the near vicinity
Le Meridien, Etiller
Mövenpick Hotel, Levent
The Plaza Hotel, Balmumcu
The Point Hotel, Balmumcu
Cheya Residence, Rumelihisarı
Please contact the organizer at info@icege2013.org for more information.

ORGANISATION
Single Session for the major part of the conference with mostly invited lectures by renowned members of TC203. There will be poster presentations and selected oral presentations. Full paper submission is not required. It is sufficient to submit only extended abstracts.

The official language of the Conference will be English.

SCOPE and TOPICS
- Case histories on ground motion and site effects
- Soil investigation with field and laboratory testing
- Dynamic Characterisation and modelling
- Performance based design methodologies; Soil-structure interaction
- Physical modelling by shaking table and centrifuge tests
- Liquefaction; Lateral spreading
- Slope stability; Embankments, landfills and dams
- Shallow foundations; Pile foundations
- Retaining wall; Reinforced earth; Underground structures

HONORARY ADVISORY COMMITTEE
Committee
Kenji Ishihara
Liam Finn
Izzat Idriss
Pedro Seco Pinto

LOCAL ORGANISING COMMITTEE
Kemal Onder Cetin
Feyza Çinıcıoğlu
Turan Durgunoğlu
Mustafa Erdik
Ayfer Erken
Zeynep Gülerce
Ashi Kurtuluş
Kutay Özaydın
Gökçe Tönük

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George Gazetas
Amir M. Kaynia
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Wei F. Lee
Michele Maugeri
Roberto Paolucci
Alain Pecker
Michael Pender
Ellen M Rathje
Raymond B. Seed
Jonathan P. Stewart
Francesco Silvestri
Kenneth H Stokoe
Kohji Tokimatsu
Ikuko Towhata
Ramon Verdugo
Susumu Yasuda
Lanmin Wang
INVITED LECTURERS

Professor Kenji Ishihara  
(Chuo University, Tokyo, Japan):  
New Features of Liquefaction-associated Damage in 2011 East Japan Earthquake

Professor W. Liam Finn  
(University of British Columbia, Vancouver, Canada):  
Amplification Effects of Thin Soft Surface Layers: A Study for NBCC 2015

Professor Izzat M Idriss  
(University of California, Davis, USA):  
Evaluation of the Seismic Performance of the Aswan High Dam

Professor Kenneth H Stokoe  
(University of Texas, Austin, USA):  
Field Seismic Testing: Quantitative and Qualitative Evaluations in the Linear and Nonlinear Strain Range

Professor George Gazetas  
(National Technical University, Athens, Greece):  
Simplified Nonlinear Stiffness and Damping For Rocking Foundations

Professor Kohji Tokimatsu  
(Tokyo Institute of Technology, Japan):  
Effects of the largest M7.6 aftershock occurring 30 min after the M9.0 main shock on liquefaction-induced damage

Professor Yoshimichi Tsukamoto  
(Tokyo University of Science, Japan):  
Integrating use of Swedish weight sounding tests for earthquake reconnaissance investigations

Professor Elen M Rathje  
(University of Texas, Austin, USA):  
Incorporating Site Response into Seismic Hazard Assessments for Critical Facilities

Professor Kyriazis Pitiakis  
(Aristotle University of Thessaloniki, Greece):  
New design spectra in Eurocode 8 and application to the seismic risk of Thessaloniki, Greece

Professor Jonathan D. Bray  
(University of California, Berkeley, USA):  
Liquefaction Effects On Buildings in the Central Business District of Christchurch

Professor Takaji Kokusho  
(Chuo University, Tokyo, Japan):  
Site amplification formula using Average Vs in equivalent surface layer based on vertical array strong motion records

Professor Misko Cubrinovski  
(University of Canterbury, Christchurch, New Zealand):  
Liquefaction Characteristics in the 2010-2011 Christchurch (New Zealand) Earthquakes

Professor Ross W. Boulanger  
(University of California, Davis, USA):  
Nonlinear dynamic analyses of liquefaction effects on dam

Professor Steven Kramer  
(University of Washington, Seattle, USA):  
The Effects of Liquefaction on Earthquake Ground Motions

Professor George Bouckovalas  
(National Technical University, Athens, Greece):  
Single pile in laterally spreading ground: Numerical against Centrifuge simulation

Professor Pedro Seco Pinto  
(National Civil Engineering Laboratories, Portugal):  
Lessons Learned From Dams Behavior Under Recent Earthquakes

Professor Ahmed Elgamal  
(University of California, San Diego, USA):  
Liquefaction and Post-Liquefaction Considerations for Sites with Inhomogenous Soil Strata

Professor Ikuo Towhata  
(University of Tokyo, Japan):  
Shaking model tests on liquefaction mitigation of embedded lifelines

Professor Michele Maugeri  
(University of Catania, Italy):  
Post-earthquake analysis for a seismic retrofitting: the case history of a piled foundation in Augusta (Italy)

Professor Susumu Yasuda  
(Tokyo Denki University, Japan):  
Effect of long duration of the main shock and a big aftershock on the liquefaction-induced damage during the 2011 Great East Japan Earthquake

Professor Michael Pender  
(University of Auckland, New Zealand):  
Inferred beneficial effects of SFSI for multi-storey buildings with shallow foundations on gravels

Professor Ramon Verdugo  
(CMGI, Santiago, Chile):  
Liquefaction Observed During The 2010 Chile Earthquake

Professor Kemal Onder Çetin  
(Middle East Technical University, Ankara, Turkey):  
Assessment of Scaling Factors for Seismic Soil Liquefaction Triggering Problems: A Performance-based Approach

Professor Atilla Ansal  
(Ozyegin University, Istanbul, Turkey):  
Site Specific Assessment of Design Earthquake Characteristics

Professor Mohamed Sakr  
(Tanta University, Egypt):  
A Case Study of Silty Sand Liquefaction-2010 Hsin Hwa Liquefaction in Taiwan
## PROGRAMME

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<tr>
<th>TIME</th>
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<th>TUESDAY 18 JUNE 2013</th>
<th>WEDNESDAY 19 JUNE 2013</th>
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<td>9:00-9:30</td>
<td>OPENING CEREMONY</td>
<td>Steven Kramer: The Effects of Liquefaction on Earthquake Ground Motions</td>
<td>Pedro Seco Pinto: Lessons Learned From Dams Behavior Under Recent Earthquakes</td>
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<td>10:30-11:00</td>
<td>Coffee Break</td>
<td>Coffee Break</td>
<td>Ikuo Towhata: Shaking model tests on liquefaction mitigation of embedded lifelines</td>
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<tr>
<td>11:00-11:30</td>
<td><strong>Izzat M Idriess</strong>: Evaluation of the Seismic Performance of the Aswan High Dam</td>
<td>Takaji Kokusho: Site amplification formula using Average Vs in equivalent surface layer based on vertical array strong motion records</td>
<td>Michele Maugeri: Post-earthquake analysis for a seismic retrofitting: the case history of a piled foundation in Augusta (Italy)</td>
</tr>
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<td>11:00-11:30</td>
<td><strong>Kenneth H Stokoe</strong>: Field Seismic Testing: Quantitative and Qualitative Evaluations in the Linear and Nonlinear Strain Range</td>
<td>Susumu Iai: Combined failure mechanism of a breakwater subject to Tsunami during 2011 East Japan Earthquake</td>
<td>Yoshimichi Tsukamoto: Integrating use of Swedish weight sounding tests for earthquake reconnaissance investigations</td>
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<tr>
<td>11:30-12:00</td>
<td><strong>George Gazetas</strong>: Simplified Nonlinear Stiffness And Damping For Rocking Foundations</td>
<td>George Bouckovalas: Single pile in laterally spreading ground: Numerical against Centrifuge simulation</td>
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<td>12:00-14:00</td>
<td>Lunch</td>
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<td>14:00-14:30</td>
<td><strong>Ross Boulanger</strong>: Nonlinear dynamic analyses of liquefaction effects on dam</td>
<td>A.Benmarce: Natural Risk Prevention: Seismic Risk Of Constantine City Case</td>
<td>Kemal Önder Çetin: Assessment of Scaling Factors for Seismic Soil Liquefaction Triggering Problems: A Performance-based Approach</td>
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<td>Y.Tomida: Centrifuge tests and numerical analysis on effects of desaturation as a liquefaction countermeasure for existing embankments</td>
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<td>14:30-15:00</td>
<td><strong>Kohji Tokinatsu</strong>: Effects of the largest M7.6 aftershock occurring 30 min after the M9.0 main shock on liquefaction-induced damage</td>
<td>F.M. Abdalbabo: Seismic Response Of Aswan High Dam-Reservoir System Problems And Remediation</td>
<td>D.K.Karamitos: Experimental Verification Of Shallow Foundation Performance In An Earthquake-Induced Liquefaction Regime</td>
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<td>T.Yamamoto: Design And Construction For Liquefaction Under The Bosporous Strait In Marmaray Project</td>
<td>B.W. Maurer: An Ishihara-Inspired Liquefaction Potential Index (LPI) for Assessing Liquefaction Hazard</td>
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<td>Z.Gülcer: Assessing The Probabilistic Earthquake Induced Landslide Hazard; Bakacak Landslide During 1999 Düzce Earthquake</td>
<td>Susumu Yasuda: Effect of long duration of the main shock and a big aftershock on the liquefaction-induced damage during the 2011 Great East Japan Earthquake</td>
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<td>D.Wijewickreme: Characterization Of Liquefaction-Induced Lateral Spread Dimensions Based On Past Earthquake Data</td>
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<td>15:30-16:00</td>
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<td>16:00-16:30</td>
<td><strong>Kyriazis Pitolakis:</strong> New design spectra in Eurocode 8 and application to the seismic risk of Thessaloniki, Greece</td>
<td>B. Bradley</td>
<td>Ground motion analysis of the Canterbury earthquakes: Results to date and ongoing work</td>
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<td>E. Garint</td>
<td>Canterbury Earthquakes: The Resthaven Records And Soil Amplification Response</td>
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<td>M. Mocic</td>
<td>A Model for the Dynamic Analysis of Pile Groups with Inclined Piles</td>
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<td>16:30-17:00</td>
<td><strong>Loukas F. Kallivokas:</strong> Total wavefield approach to geotechnical site characterization theory, computations, and field experiments</td>
<td>A. Giannakou</td>
<td>Izmıt Bridge South Approach Viaduct: Foundation Design Against Fault Rupture</td>
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<td>T. Travasarou</td>
<td>Development Of Design Ground Motions For The Izmıt Bay Bridge</td>
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<td>A. Sextos</td>
<td>Asynchronous excitation of long bridges considering soil-structure interaction: evidence, ongoing research and design implications</td>
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<td><strong>Ellen M Rathje:</strong> Incorporating Site Response into Seismic Hazard Assessments for Critical Facilities</td>
<td>G. Andreotti</td>
<td>Hazard-Dependent Soil Amplification Factors Derived from 1D Fully Stochastic Ground Response Analyses</td>
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<td>A. Rodriguez-Marek</td>
<td>Investigating the Effect of Site Response on the Correlation Structure of Ground Motion Residuals</td>
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<td>J. Alam</td>
<td>Physical and Numerical Modeling of Sheet Pile Quay Wall Subjected to Seismic Liquefaction</td>
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<td>17:30-18:00</td>
<td><strong>Atilla Ansal:</strong> Site Specific Assessment of Design Earthquake Characteristics</td>
<td>B. R. Cox</td>
<td>Deep Vs Profiling for Dynamic Characterization of Christchurch, New Zealand: Towards Reliably Merging Large Active-Source and Ambient-Wavefield Surface Wave Methods</td>
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<td>F. M. Soccodato</td>
<td>Seismic Behaviour Of Propped Retaining Structures</td>
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<td>J. H. Steid</td>
<td>Ground Motion Thresholds for Nonlinear Site Response and Excess Pore Pressure Generation: Observations from the NEES@UCSB Permanently Instrumented Field Sites in California</td>
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<td>K. Ishikawa</td>
<td>Liquefaction Strength Characteristic Concerning The Observation Seismic Wave Of The 2011 Off The Pacific Coast Of Tohoku Earthquake</td>
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**Closing Ceremony**
SUPPORTING ORGANIZATIONS

Turkish Earthquake Foundation, Earthquake Engineering Committee

European Association for Earthquake Engineering

Chamber of Civil Engineers İstanbul Section

Boğaziçi University

İstanbul Technical University

Özyeğin University

Yıldız Technical University

CONGRESS ORGANIZER EVENT MANAGEMENT & CONSULTANCY

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CONTACT PERSON

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