

**SIXTH INTERNATIONAL CONFERENCE ON
CASE HISTORIES IN GEOTECHNICAL ENGINEERING AND
SYMPOSIUM IN HONOR OF PROFESSOR JAMES K. MITCHELL
ARLINGTON, VA (USA) AUGUST 11-16, 2008
May 6, 2008**

List of Accepted Papers

W. D. Liam Finn Keynote: The Mining of Case Histories
(Canada)

STATE OF THE ART AND PRACTICE (SOAP) LECTURES

Yoshiaki Kikuchi (Japan)	Bearing Capacity Evaluation of Long, Large-Diameter, Open-Ended Piles SOAP 1
Pedro Seco e Pinto Joao Barradas Arlindo Sousa (Portugal)	Lessons Learned from Two Case Histories of Retaining Structures SOAP 2
K. Rainer Massarsch (Sweden) Bengt H. Fellenius (Canada)	Ground Vibrations Induced by Impact Pile Driving SOAP 3
Raymond B. Seed (USA)	Performance of the New Orleans Levee Systems in Hurricane Katrina SOAP 4 (not yet received)
Ronaldo Luna J. David Rogers (USA)	Recent Developments in Geospatial Information Systems Technology SOAP 5
Des. Hartford (Canada)	Risk Analysis in Geotechnical and Earthquake Engineering: State-of- the-Art and Practice for Embankment Dams SOAP 6
Ed Kavazanjian (USA)	The Indispensable Role of Case Histories in Landfill Engineering SOAP 7
William Van Impe (Belgium)	Evaluation of the Experiences in Underwater Dam Construction on Soft Soils SOAP 8
Scott Steedman (UK)	Modelling the Performance of Flood Protection Levees on Soft Soils SOAP 9 (withdrawn)
J. P. Singh (USA)	Use of Case Histories in Designing and Conducting Full Scale Load Test for Developing and Validating Numerical Methods SOAP 10 (not yet received)
Kjell Karlsrud (Norway)	Design and Performance of Deep Excavations in Soft Clays SOAP 12
Clyde Baker (USA)	Unexpected Caisson Problems, Soil Structure Interaction Predictions, and Required Ground Modification SOAP 14

SPECIAL LECTURE:

James K. Mitchell
(USA) Aging of Sand – A Continuing Enigma? SOAP 11

SPECIAL LECTURES

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(Greece) Case Histories of Foundations on top of a Rupturing Normal Fault during the Kocaeli 1999 Earthquake OSP 1

D.S. “Sax” Saxena
(USA) Case Studies in Forensic Geotechnical and Foundation OSP 2

George E. Leventis
(USA) Chacao Channel Bridge – The Design Challenges OSP 3

Tony Canale
(USA) New York City High-rises on Rock: Uncovering the Unknown Leads to Variable Foundation Solutions OSP 4

Rolf Katzenbach
Girma Boled
Gregor Bachmann
Christian Gutberlet
Stefan Wachter
(Germany) Soil-Structure Interaction and ULS Design of Complex Deep Foundations OSP 5

A. Verghese Chummar
(India) Case Studies of Failure of Cast-in-Situ Piles OSP 6

Nikos Gerolymos
(Greece) Analysis of Two Case Histories of Violent Landslides Triggered by Earthquakes OSP 7

Mark R. Svinkin
(USA) Soil and Structure Vibrations from Construction and Industrial Sources OSP 8

Azm S. Al-Homound
(UAE) Ground Improvement Experience in Calcareous Sand Land Reclamation Mega Projects of UAE OSP 9 (**withdrawn**)

Lanmin Wang
Zhijian Wu
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(China) Qinghai-Tibet Railway, China and the Solutions to its Major Geotechnical Problems for Construction OSP 10

SYMPOSIUM IN HONOR OF PROFESSOR JAMES K. MITCHELL (SPEAKERS)

Richard A. Mitchell
(USA) Evaluation and Long-term Performance Monitoring of Landfill Containment and Control Systems JKM 1 (not yet received)

James M. Duncan
(USA) Failures of Floodwalls in New Orleans During Hurricane Katrina JKM 2 (not yet received)

Ed Kavazanjian Jr.
(USA) Microbiological Improvement of the Physical Properties of Soil JKM 3

Rudy Bonaparte
(USA) Design, Construction, and Performance of Low-Level Radioactive Waste Disposal Facility JKM 4

H. Turan Durgunoglu
(Turkey) Performance of Deep Soil Nailed Walls JKM 5

Kenichi Soga
(United Kingdom) Why They are What They are JKM 6

SESSION 1

“Case Histories of Unexpected Behavior and Failure of Shallow, Deep and other Foundations, including Soil Structure Interaction, Foundations in Expansive, Collapsible and Sulphative Rich Soils, Foundations in Arid, Semi-Arid Zones; Case Histories Involving Rapid Load Testing (Statnamic, Fundex, Drop Weight) for Deep Foundations, Pile Driving and Evaluation”

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Suzan S. Salem
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Apichit Kumpala
Wanchai Katkan
Runglawan Rachan
(Thailand) Underpinning for a Distressed Building in Northeast Thailand 1.02

Kumars Zand-Parsa
(USA) Pile Driving and the Elastic Rebound Theory 1.03
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(Iran)

Enrique Padilla-Corona
(Mexico) Foundations on Expansive Soils in Mexico 1.04

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Abhay Sharma
(India) Effect of Geometrical Parameters on Nonlinear Soil-structure Interaction Behaviour
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Manjeet S. Hora
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G. G. Boldyrev
A. J. Muyzemnek
(Russia) The Modeling of Deformation Process in Soils with use of Ansys and Ls-Dyna
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(Venezuela) A Review of Foundation Failures on Plastic Clays, Following the Yield Shear
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(Malaysia)

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Matt D. Gibson
Garry E. Horvitz
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N.K. Samadhiya
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SESSION 4

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B.K. Pal Kaushik Dey (India)	Ground Vibration – Unique Case Studies in Indian Coal Mines 4.25

SESSION 5

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Kamran Zand-Parsa (Iran) Stability of a MSE Wall Under Bridge Falsework Bent Surcharge 5.02
- Raj Siddharthan (USA)
Ali Porbaha (USA) Seismic Response Validation of DM Treated Liquefiable Soils 5.03
- Javad Safadoust (Iran)
Gholam Moradi (Iran) Numerical Analysis of Algonquin Geogrid Reinforced Soil Retaining Wall under Construction and Earthquake Loading 5.04
- Shaw-Shong Liew (Malaysia)
Chee-Min Khoo (Malaysia) Lessons Learned from Two Investigation Cases of Ground Distresses due to Deep Excavation in Filled Ground 5.07
- Shahriyar Mojahed (USA)
Mark French (USA) The Selection of an Earth Retention System at the Boston's Central Artery/Tunnel Project 5.08
- Jan Masopust (Czech Republic) Reconstruction of Pier Foundations of the Charles Bridge in Prague 5.10
- José Matos e Silva (Portugal) Behaviour Monitorization of a 13M High Gabions Wall 5.11
- J.Jai (China)
J.H. Wang (China)
C.P. Liu (China)
L. L. Zhang (China)
X.L. Xie (China) Behavior of an Excavation Adjacent to a Historical Building and Metro Tunnels in Shanghai Soft Clays 5.12
- Bon Lien (USA)
Jesus Gomez (USA)
Chris Bailey (USA) Design and Construction of Anchored Flexible Facing Excavation Support and Soldier Pile Wall 5.13
- H.B. Keskin (Istanbul)
H.T. Durgunoglu (Istanbul)
S. Ikiz (Istanbul) Harmony of Retaining Systems to Various Local Subsoil Conditions - A Case Study 5.15
- Dimitrios Konstantakos (USA) Online Database of Deep Excavation Performance and Prediction 5.16
- P. Becker (Germany)
B. Gebreselassie (Germany)
H.-G. Kempfert (Germany) Back Analysis of a Deep Excavation in Soft Lacustrine Clay 5.17

Xiaohai Wang Francois G. Bernardeau Jean-Claude Younan (USA)	Slurry Trench Stability Analysis - Constructing Cement-Bentonite Slurry Trench Adjacent to Existing Soil-Bentonite Backfill 5.19
Abdolreza Osouli Youssef Hashash (USA)	Learning of Soil Behavior from Measured Response of a Full Scale Test Wall in Sandy Soil 5.20
Jeffrey C. Evans (USA)	Alamitos Gap: A Case Study using the Trench Remixing and Deep Wall Method 5.21
Salah Sadek (Lebanon)	Failure of a Hybrid Flexible Shoring System for a 30M Excavation: Exploration of Causes and Remedial Measures 5.22
Sami Arsoy (Turkey)	Analysis of a Group of Failing Retaining Walls and Remediation Measures 5.23
Wolfgang Roth Bei Su Jake Vanbaarsel Eric Lindquist (USA)	Effect of High In-Situ Stress on Braced Excavations 5.25
Li Yan D.A. Trapp Alex Sy (Canada)	Construction of a Plastic Concrete Seepage Cutoff Wall for the New Coquitlam Dam 5.26
Ravinrda Gill Mahavir Bidasaria (India)	Anchored RCC Diaphragm Wall Cofferdam for Bisalpur Dam (A Case - Study) 5.29
Luljeta Bozo (Albania)	Failure of Retaining Structures in Town Lezha and their Consequence in Neighbouring Building 5.30
Fabio Matta Antonio Nanni (USA)	Structural Response of FRP Reinforced Concrete Softeyes for Tunnel Excavation 5.31
Hadi Suroor Mahi Galagoda Chris McGhee (USA)	Design and Construction of Circular Secant Pile Walls in Soft Clays 5.33
Richard Kulesza (USA) Nikos Boussoulas (Greece) W. Allen Marr (USA)	Deep Excavation in Hard Sandy Clays for Stations and Shafts of the Athens Metro Stavros Extension 5.34
Petr Koudelka (Czech Republic)	Granular Mass Behaviour under Passive Pressure 5.35
P. Jagannatha Rao (India)	Practical Lessons from the Failure of a Reinforced Soil Retaining Wall on a Major Highway 5.36

AmirHosein Sadeghpour Groundwater Lowering in Deep Excavation (Case Study: Foundation Excavation
Ali Ghanbari of Shahid Madani Dam) 5.37
Meysam Fadaee
(Iran)

Satyendra Mittal Stabilization of Gantry Column Foundation by Soil Nailing 5.40
Meenal Gosavi
Swami Saran
(India)

SESSION 6a

“Case Histories and Failure of Geological, Rock and Mining Engineering, Including Underground Structures and Excavations, and Subsidence of Deltas”

Diego Lo Presti An “Unexpected” Rock Failure in a Limestone Open Pit Mine 6.01a
M. Cravero
G. Iabichino
(Italy)

F. E. Volkov Use of Strengthening Cementation when Civil Structures on Karsted Territory
L. N. Gera Construction 6.02a
(Russia)

R.K. Goel Case History of Tunnelling Through Claystone 6.03a
Anil Swarup
(India)

S.Y. Mhaiskar Columnar Basalt - Vibration Study and Preservation Methods at Mumbai, India
R.A. Hegde 6.04a
C.R. Tata
(India)

Dimitrios Zekkos Characterization of a Weak Rock Mass and Geoenvironmental Analyses for a Canyon
Edmund Medley Landfill in Northern California 6.05a
Christopher Hunt
Julien Waerber
Krzysztof Jesionek
(USA)

Eric M. Klein Characterization of Piedmont Residual Soil and Saprolite in Maryland 6.07a
Jennifer L. Trimble
(USA)

Gennaro G. Marino Empirical Correlations of Longwall Subsidence Data for the Illinois Coal Basin
Mohamed Gamal 6.08a
Nagesh. Malyala
(USA)

M.S. Mundhe Case History Compilation of Engineering Properties of Common Rocks in
V.B. Pandhare Maharashtra, India, for Database (1982-2002) 6.09a
N.M. Methekar
Shriram R. Vaijapurkar
(India)

M.S. Ranadive Shape Optimization of Tunnel by Finite Element Method 6.10a
(India)

- Verya Nasri
(USA)
Christian Winum
Pierre Magnien
(France)
- Rehabilitation of La Nerthe Tunnel on Paris-Marseille High-Speed Railway Line
6.11a
- Verya Nasri
(USA)
Philippe Fauvel
(France)
- Construction of Express Subway Line EOLE in Paris 6.12a
- J. Sturman
E.B. Rehwoldt
(USA)
C.D. Martin
(Canada)
- Support of Rock Cuts at Washington-Dulles International Airport 6.13a
- Fabrice Emeriault
Richard Kastner
Emilie Vanoudheusden
(France)
- Movements Induced by Tunnelling with an EPB Machine in Overconsolidated
Soils: Compans Monitoring Section of Toulouse Subway Line B 6.14a
- Siavash Taghipoor
(Iran)
- Application of Numerical Modeling to Study the Efficiency of Roof Bolting Pattern
in East 1 Main Gate of Tabas Coal Mine 6.17a

SESSION 6b

“Anticipation, Characterization, Design and Construction in the Geological Complexity of Mélanges, Fault Rocks, Weathered Rocks, Boulder Colluvium, Lahars, and Similar Bimrocks (Block-in-Matrix Rocks) and Rock/Soil Mixtures”

- Koichi Nakagawa
Shigenobu Yamada
Isamu Tsuka
(Japan)
- Characterization of the Shear-Induced Potential (SIP) in Clay and the Application
to Landslide Sites 6.01b
- Amy L. Guisinger
Ching L. Kuo
Teresa Puckett
(USA)
- Design and Construction of Drilled Shafts in Karst Environments of Florida 6.02b
- Jafar Najihamodi
Said Ghorbanbaigi
(Iran)
- Land Subsidence in Tehran District, Iran 6.07b

SESSION 7a

“Case Histories of Soil Property Improvement, Expansive and Collapsible Soils; for Earthquake Mitigation, Use of Lightweight Materials, Application of Geo-Synthetics; Freshly Loaded Filled Ancient Marshy Lands – The Effects and Risks of Foundation, (Vanished Ports such as Alexandria and Other Unknown, (Also from India-Puri-Mahabalipuram), Site Characterization”

- S. Shababoddin Yasrobi
Ali Reza Zandieh
Mehrzaad Mortezaei
(Iran)
- The Laboratory Test Effects of Polyvinyl Acetate and Polyvinyl Acrylate on
Compressive Strength of Dune Sand 7.01a
- Runglawan Rachan
Suksun Horpibulsuk
(Thailand)
- Compressive Strength of Repaired Road by Recycling Technique of Pavement
Materials 7.02a

- Byung-Sik Chun
Duk-Hum Park
Jong-Nam Do
Yong-Goo Jang
(Korea) Improvement Characteristics of Ground using C.G.S. through Field Case Study 7.03a
- San-Shyan Lin
Chih-Jung Chien
(China) Use of Sand Compaction Piles for Improvement of a Coals Ash Pond 7.06a
- Matthew J. DeMarco
(USA) Polyurethane Resin (PUR) Injection for Rock Mass and Structure Stabilization 7.07a
- Muawia A. Dafalla
(Saudi Arabia) Improvement of Thermal Resistivity of Desert Sand for use in High Voltage Cable Beddings and Foundation in Arid Zones 7.09a
- Jonathan Wu
(USA)
Kanop Ketchart
(Thailand) Investigating Failure of a Geosynthetic-Reinforced Soil Wall in Black Hawk, Colorado 7.11a
- J. M. Kate
(India) A Case Study on Rectification of Damaged Structures on Expansive Soil Deposits 7.12a
- B.M. Al-Khailany
R.R. Al-Omari
W.F. Sagman
(Iraq) Geological Alterations and Chemical Treatment of a Polluted Limestone Foundation 7.14a
- F.E. Volkov
L.N. Gera
(Russia) Strengthening of Clay Soils of Buildings Bases under Reconstruction by Means of Alkalization 7.15a
- Gareth Michael Swift
Russell Jones
(United Kingdom) The Design and Construction of a Reinforced Embankment on Soft Compressible Soil 7.16a
- Stavros A. Savidis
Frank Rackwitz
Maik Schuessler
(Germany) Design and Construction of Granular Soil Columns for Ground Improvement of Very Soft Soils for Road Embankment 7.17a
- Mounir Bouassida
Lassaad Hazzar
(Tunisia) Comparison between Stone Columns and Vertical Geodrains with Preloading Embankment Techniques 7.18a
- Jose L. M. Clemente
Tianfei Liao
Thomas Nixon
(USA) Geogrid-Reinforced Soil Mat for Temporary Support of Heavy Equipment 7.19a
- Vittorio Manassero
Giuseppe Di Salvo
Fabio Giannelli
Giuseppe Colombo
(Italy) A Combination of Artificial Ground Freezing and Grouting for the Excavation of a Large Size Tunnel Below Groundwater 7.20a

- A. Stanciu
N. Boti
I. Lungu
O. Donciu
(Romania)
- Omar S. B. Al-Amoudi
(Saudi Arabia)
- Liaqat Ali
Sarfraz Ali
(Pakistan)
- Bak Kong Low
(Singapore)
- Adel M. El-Kelesh
Tamotsu Matsu
Ken-ichi Tokida
(Japan)
- Antonio Cavallaro
Salvo Grasso
Michele Maugeri
(Italy)
- Antonio Cavallaro
Salvatore Grasso
Valentina Lentini
Michele Maugeri
(Italy)
- R. D. Verastegui Flores
W.F. Van Impe
P. Afschrift
W. Cromheeke
(Belgium)
- Franklin Fong
Chad M. Davis
(USA)
- Hamid Reza Nouri
(USA)
Hamid Ali-Elahi
Mehdi Jalili
Ehsan Seyed Hosseininia
(Iran)
- Syed Faiz Ahmad
(Saudi Arabia)
- M.L. Rainone
P. Torrese
P. Signanini
F. Pizzica
(Italy)
- Sao-Jeng Chao
(China)
- Case Study of a Water Tank Behaviour on an Improved Collapsible Soil 7.21a
- Testing and Stabilization of Saline Sabkha Soils 7.22a
- Enhancement of Bearing Capacity by Dynamic Compaction – A Case History 7.25a
- Settlement Analysis of Chek Lap Kok Trial Embankments with Probabilistic Extensions 7.26a
- Effectiveness of Compaction Grout Piles in Improving Foundation Soils of Existing Runway 7.27a
- Dynamic Geotechnical Characterization of San Giuliano Di Puglia Seismic Area 7.28a
- Geotechnical Characterization of a Soft Clay Soil Subjected to a Preloading Embankment 7.29a
- Performance of Deep Mixing Improvement of Alluvial Soft Soil 7.30a
- Case History - Settlement Mitigation for Mat Foundation using Lean Concrete Columns 7.31a
- Evaluation of Empirical Relationships for Dynamic Compaction in Liquefiable Reclaimed Silty Sand Layers using Pre/Post Cone Penetration Tests 7.32a
- Ground Improvement of a Beach Structure Complex by means of Stone Columns - A Saudi Arabian Case History 7.33a
- Seismic Characterisation of Soils with Spt: Comparison of Calculated Vs Values and Measured Vs Values 7.34a
- Performance Study on Geosynthetic Reinforced Shallow Foundations 7.35a

- Ulrich La Fosse
Theodore von Rosenvinge,
IV
(USA) Earthquake Mitigation by Blast Densification 7.36a
- A.K.L. Kwong
X.F. Han
L.G. Tham
P.K.K. Lee
W.B. Zhao
(Hong Kong) A Field Test on Under Water Vacuum Preloading Method 7.39a
- Chee-Ming Chan
Siti Hajarahani Abdullah
(Malaysia) Settlement Behaviour of a Cement-stabilised Malaysian Clay 7.41a
- Hossein Nowamooz
F. Masrouri
(France) Swelling Soils Behavior in Cyclic Suction-Controlled Drying and Wetting 7.42a
- Sanjeev Kumar
Miton Adhikari
(USA) Load-Deformation Behavior of Bentonite Amended Bottom Ash In Bending 7.43a
- Timothy J. Myers
Hristo K. Dobrev
John Szturo
Wayne Duryee
(USA) Improvement of Soil and Rock Properties for Foundation Support for Missouri Interchange Project 7.45a
- David Rees Gillette
(USA) Review of In Situ Measurements as Indications of Liquefaction Potential at Numerous Sites 7.46a
- Dimitar Antonov
(Bulgaria) Laboratory Seismic Wave Investigations on Improved Loess Soils as Engineered Barriers in the Radioactive Waste Repository Case 7.47a
- Behzad Fatahi
Buddhima Indraratna
Hadi Khabbaz
(Australia) Case Study on the Influence of Transpiration on the Ground Behaviour 7.48a
- Jan Najser
Jan Bohac
(Czech Republic)
Emma Pooley
Sarah Springman
Jan Laue
(Switzerland) Construction of Motorway on Double Porosity Clay Fill 7.50a
- Dimcho Evstatiev
Yordan Evlogiev
(Bulgaria) Underground Facilities in Loess 7.52a
- Dimcho Evstatiev
Mariana Nedelcheva
Yordan Evlogiev
(Bulgaria) Foundation Work of a High TV Tower in Collapsible Loess 7.53a

Fernando da Casa Martín F. Celis D'Amico E. Echeverria Valiente P. Chías Navarro A. García Bodega (Spain)	Excavation for Underground Parking in Seville (Spain). Treatment with Reinforced Injections. 7.54a
F. Di Credico P. Signanini P. Torrese (Italy)	Some Interesting Results about Behaviour of Granular Media 7.55a
Dong K. Chang Hugh S. Lacy (USA)	Artificial Ground Freezing in Geotechnical Engineering 7.56a
Sven Hansbo (Sweden)	Soil Improvement by Means of Electro-Osmosis 7.58a
M. Nunez D. Dias C. Poilpre R. Kastner (France)	Soft Ground Improved by Rigid Vertical Piles. Experimental and Numerical Study of Two Real Cases in France 7.59a
Hide Yasuhara Takamasa Moritou Yoshinori Kochi Mitsu Okamura (Japan)	Evolution of Soil Desaturation by Air-injection Technique and Its Evaluation via Multiphase Flow Simulation 7.60a
M. J. Hossain M. Alamgir M.A. Mahamud (Bangladesh)	Field Investigation on the Performance of Rammed Aggregate Pier in a Soft Ground of Bangladesh 7.66a
D.S.V. Prasad G.V.R. Prasada Raju	Utilisation of Waste Plastics in Flexible Pavement Construction Laid on Expansive Soil Subgrade 7.68a
Ken Ivanetich Lisheng Shao (USA)	Jet Grouting for Mass Treatment to Support an Aggregate Stockpile Building over Very Soft Clays 7.69a
Adil Godiwalla (USA)	Advanced, Modern and Innovative Technologies Used at The Houston Airport System 7.70a

SESSION 7b

“Case Histories of Environmental Contamination and Problems including, Geotechnical and Hydrological Management and Remediation of Solid, Hazardous and Low-Level Radioactive Wastes, including Liner Cover Systems and Landfill Closure for Brownfield Development”

Sanjay Das Indra Prakash (India)	Assessment of Groundwater Hazards in a Coastal District of Gujarat, India 7.01b
Jeff Dunn (USA)	Lessons Learned from Closing Three Major Landfills – The Devil Really is in the Details 7.03b

B.N. Moolchandani (India) Subject Areas of Geotechnological Engineering (GE) with Case Studies W.R.T. Indian Scenario. Case Study of Recharging Surface Ground Water at Source, Ensuring No Contamination of Water (A GE Subject) 7.09b

Derrick A. Shelton
David A. Schoenwolf
Nisha P. Mohanan (USA) Redevelopment of a Municipal Solid Waste Landfill: Engineering Design Challenges 7.10b

SESSION 8a

“Case Histories of Projects of District of Columbia, Maryland and Virginia; DC Monuments; Washington Monument, WWII Memorial, Lincoln Memorial,, and Reflecting Pool; DC Convention Center, New I-95 Woodrow Bridge over the Potomac D. C. Metro, Springfield Interchange, The Dulles Light Rail Project.”

David Rothenberg
Mamoud Hosseini (USA) Case History of the Temporary Support of an 11-Story Historic Building in Downtown Washington, DC 8.01a

Hiren J. Shah
Hugh S. Lacy
Matthew B. Van Rensler (USA) Mechanically Reinforced Earth for Steep Surcharge Slopes in Proximity of Adjacent Structures to Improve Compressible Soils 8.02a

Cory Surber
Mamoud Hosseini (USA) Excavation and Shoring Support for the National Institutes of Health East Redundancy Loop Project at Building 10 on N.I.H. Campus in Bethesda Maryland 8.03a

Eric M. Klein
Jennifer L. Trimble
Bibek B. Shrestha (USA) Tied-Back Top-Down Wall to Support I-295 Ramp 8.04a

Douglas W. Christie (USA) Foundations for Memorials and Monuments on the National Mall 8.05a

Roderic A. Ellman, Jr. (USA) New I-95 Woodrow Wilson Bridge Foundations 8.07a

Victor Omelchenko
Mamoud Hosseini (USA) Excavation Support for the Newseum Development at 555 Pennsylvania Avenue in Washington, D.C. 8.09a

Irvin Ragsdale
Keki Wadia (USA) Temporary Support of Excavation System for 300 New Jersey Avenue 8.10a

SESSION 8b

“Case Histories of Forensic Geotechnical Engineering, Where Things Went Wrong; Reliability of Codes; Risk Analysis Pertaining to Public Structures, Non-Destructive Evaluation and Load Testing of Drilled Shafts, Auger Cast Piles and Driven Piles; and Damage Evaluation” and “Advance Information, Systems in the Geotechnical Risk Predication and Assessment”

So-ngo Clifford Teme
O.D. Ngerebara
Essien Ubong (Nigeria) Need for Prior Geotechnical Engineering Studies for Foundation Design: Cases of Collapsed Buildings in Port Harcourt and Environs, Nigeria 8.01b

Mary Perlea
Scott Loehr (USA) Geotechnical Risk Analysis of the Local Flood Control Projects on Kansas River in Topeka, Kansas 8.02b

E.T. Arschba V.A. Barvashov G.V. Vasyukov (Russia)	Two History Cases of Innovations 8.04b
Debasis Roy Raghvendra Singh (India)	Failure of Two High Embankments at Soft Soil Sites 8.06b
M. B. Mgangira P. Paige-Green (Africa)	Evaluation of Damage to a Road and a Sports Complex on Expansive Clays 8.08b
Xiong (Bill) Yu (USA) Yuewen Huang (China)	Forensic on Construction Induced Failure of Pipe Pile Foundations 8.13b

SESSION 8c

“Case Histories of Health Monitoring and Retrofit of Infrastructure, including Bridges, Tunnels, and other Transportation and Geotechnical Structures”

So-ngo Clifford Teme Essien Ubong (Nigeria)	An Evaluation of the Geotechnical Characteristics of the Abutments of a Proposed Bridge Across a 400-Meter River Channel in the Lower Niger Delta, Nigeria 8.01c
So-ngo Clifford Teme Essien Ubong (Nigeria)	Subsurface Geotechnical Engineering Investigations for a 9.833-KM Long Road and 130-Meter Wide Bridge in a Karst Topography in South-South Nigeria 8.02c
António Topa Gomes António Silva Cardoso Jorge Almeida e Sousa (Portugal) José Carlos Andrade Carlos Augusto Campanhã (Brazil)	Design and Behavior of Salgueiros Station for Porto Metro 8.04c
Jésus E. Gómez Carlos J. Rodriguez Helen D. Robinson Johanna Mikitka Larry Keough (USA)	Bond Strength of Hollow-Core Bar Micropiles 8.05c
Luis Fargier-Gabaldon Daniel A. Salcedo Rosendo Camargo-Mora (Venezuela)	Ancient Landslide Reactivation at the Viaduct No. 1 Located on the Caracas-La-Guaira Highway in Venezuela 8.08c
Konstantinos Giannakos (Greece)	Damage of Railway Sleepers under Dynamic Loads: A Case History from the Greek Railway Network 8.09c
Hoe-Chian Yeow Ian Feltham (United Kingdom)	Case Histories Back Analyses for the Application of the Observational Method under Eurocodes for the SCOUT Project 8.12c

Spyros Tsoukantas Investigation on the Causes of Longitudinal Cracks on Prestressed Monoblock
Konstantinos Tzanakakis Railway Sleepers of Metric Gauge of the Greek Railway Network 8.13c
Danai Spyropoulou
Petros Panopoulos
Manto Mintzia
(Greece)

SESSION 9

“Case Histories of Offshore Geotechnics; Effects of Soft Clay on Off-shore Foundations; and Gas Production on Soils and Foundation and Stability”

Wolfgang G. Brunner New BAUER Flydrill System Drilling Monopiles at Barrow Offshore Wind Farm,
Manfred Beyer UK 9.01
(Germany)

A. Arulrajah Case Study of the Changi East Land Reclamation Project, Singapore 9.03
(Australia)
M.W. Bo
(Canada)
H. Nikraz
(Australia)

Paul Doherty Degradation of Axial Shaft Capacity of Piles in Soft Clay Due to Cyclic Loading
Kenneth Gavin 9.04
(Ireland)

Alp Gökalp Ice Protection Barrier Construction in Caspian Sea 9.07
Rasin Düzceer
(Turkey)

Gareth Michael Swift Geotechnical Design of an Offshore Gravity Base Structure 9.08
David Bone
(United Kingdom)

Francesco Mirabelli Jackup Rig Spud Can Penetration: A 6,000 Ton Load Test
Lorenzo Paoletti 9.09
Eric J. Parker
(Italy)

Masaru Fujimoto Construction of Mass Concrete Structure Utilizing Ground Settlement from
Takechiho Tabata Underpass Construction in the 2nd Phase Kansai International Airport Project 9.10
Tsuyoshi Emura
Masato Nakamichi
(Japan)

SESSION 10

“Application of Geotechnical Engineering in Outer Space, including Granular Material Behavior in Lunar and Martian Environments; Granular Material Behavior in Asteroidal and Cometary Environments; Extra-terrestrial Mining, Construction, and Transportation Infrastructure Development; R&D and Technology Trial Results”

Philip T. Metzger Cratering and Blowing Soil by Rocket Engines during Lunar Landings 10.01
John E. Lane
Christopher D. Immer
Sandra Clements
(USA)

Leslie Gertsch Jamal Rostami Robert Gustafson (USA)	Review of Lunar Regolith Properties for Design of Low Power Lunar Excavator 10.02
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SESSION 11a

“Application of Case Histories in Education; How Case Histories have been Incorporated in Coursework; How to Conduct Search for Case Histories, and what are the Major Sources, Examples of Specific use/s; Importance of Teaching Case Histories; From Case Histories to Conceptual Models; Importance of Practical Experience of Professors, Use of Case Histories in Teaching Process, Is it Possible to Involve Students in Case Histories (i.e. in Engineering Practice)?”

J. David Rogers (USA)	A Historical Perspective on Geotechnical Case Histories Courses (Distinguished Speaker)
Peter Scharle (Hungary)	Streamlining Case Studies for Education 11.01a
Sanjeev Kumar (USA)	Geotechnical Failures: An Excellent Tool to Teach Geotechnical Engineering 11.02a
Arun Bapat (India)	Monitoring Seismic and Geophysical Parameters with the help of College Instruments and Staff 11.03a
Waddah Akili (USA)	Case Histories in Geotechnical Engineering: Enhancing the Practice in an Interactive Learning Environment 11.04a
William D. Lawson (USA)	Soil Sampling at Sword Beach – Luc-sur-Mer, France, 1943: How Geotechnical Engineering Influenced the D-Day Invasion and Directed the Course of Modern History 11.06a
Matthew Mauldon Kristin Brennan (USA)	Exploring Case Histories: Chocolatetown PA 11.07a
Liaqat Ali Sarfraz Ali (Pakistan)	From Case Histories to Conceptual Models 11.10a
Chavdar V. Kolev (Bulgaria)	One Hundred Years Settlement of the Verna’s Breakwater – Construction on Soft Clay like a Typical Example from University Program of Port Construction in Bulgaria 11.11a
Sukhmander Singh (USA)	Case Histories Oriented Teaching of Geotechnical Engineering 11.12a
Jacques Harb (Lebanon)	Addressing the Geotechnical Case Histories of Beirut 11.13a
Declan Phillips (Ireland)	Benefits of Case Based Instruction in Undergraduate Geotechnical Education 11.14a
B.M. Sunil K.S. Babu Narayan (India)	Use of Case Histories to Enhance Practical Geotechnical Engineering 11.15a
Maj Goril Baverfjord Vikas Thakur (Norway)	The Verdal and Rissa Landslides – Application of Case Histories in Education 11.17a

Mounir Bouassida M. Djebbi (Tunis)	Educating Student through Understanding the Pathology of Geotechnical Projects 11.18a
Carsten H. Floess (USA)	Use of Case History Examples in the Classroom 11.19a
Jiri Slovák Jiri Svoboda Radek Vasicek Pavla Bauerova (Czech Republic)	Josef Exploration Drift - From Exploration of Gold to Unique Facility for Geotechnical Research, Education and Training 11.20a

SESSION 11b

“Application of Case Histories to Practice; Use of Case Histories to Enhance Practical Geotechnical Engineering; Practice in Different Offices to Achieve this Objective with Examples; Importance of Lifelong Learning; Use of Case Histories in Life Long Learning; Establishing an International data base for Case Histories.”

Fabrice Emeriault Richard Kastner Rodolphe Louis-Sidney Elöd Egyed-Zsigmond (France)	A New International Database on Case Histories of Monitored Construction of Tunnels and Deep Excavation 11.02b
Scott Shuler (USA)	Implications of Swelling Clays on Asphalt Pavement Performance in Colorado 11.03b
Ahmed Mohammed Thamer A.A. Aziz B.B.K. Huat (Malaysia)	Incorporating Case Study and Site Visit for Teaching of Earth and Hydraulic Structures at Universiti Putra Malaysia 11.04b
Chavdar V. Kolev (Bulgaria)	Landslides in Balchik – the Biggest Nature Experiment for Shore Protection in Bulgaria 11.05b
Liaqat Ali Sarfray Ali (Pakistan)	Use of Case Histories to Enhance Practical Geotechnical Engineering 11.06b
Marlize Groenewald Francis Legge (South Africa)	Foundations of the Nation: The Hillbrow and Brixton Towers as Figuration of National Identity in South Africa 11.07b
A.R. Koelewijn A.M.J. Mens (Netherlands)	Geobrain: Dutch Feasibility Database for Installing Sheet Pile Walls 11.08b
David J. Baxter Neil Dixon Paul R. Fleming Ken A. Cromwell (United Kingdom)	Using Experience and Case History Data to Enhance the Design of Piled Foundations and Predict Behaviour Characteristics 11.09b
Shubhada S. Jagtap Annapurni Iyer Minimol Korulla (India)	Emerging Innovative Solutions Enhancing Practical Geotechnical Engineering 11.10b

V.T. Ganpule
S.Y. Mhaiskar
(India)

Deterioration of Bored Cast In Situ Piles due to Aggressive Water 11.11b

Alberto Marulanda
Camilo Marulanda
(Colombia)

Recent Experience on Design, Construction and Performance of CFRD Dams
11.14b