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## Fourth International Conference on Case Histories in Geotechnical Engineering

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**FOURTH INTERNATIONAL CONFERENCE ON  
CASE HISTORIES IN  
GEOTECHNICAL ENGINEERING  
March 8-12, 1998**

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| Carsten H. Floess<br>H. Moo-Young, Jr<br>Thomas F. Zimmie<br>Warren A. Harris, IV<br>(USA) | A Municipal Landfill Cover with a Paper Sludge Barrier<br>Layer. 9.13  |
| Lenka S. Timiovska<br>(Macedonia)  | Geotechnical Risk and Reliability from Theory to Practice. 9.15  |
| D. G. Anderson<br>C. C. Sundberg<br>R. J. Robertson<br>(USA)                               | Failure of a Pipeline in an 800-Year Old Debris Fill. 9.16L  |
| Anton Chirica<br>Mircea Galer<br>(Romania)   | Stability Analysis Corresponding to a New Bridge Abutments. 9.17L  |
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**Session X**

**"Case Histories of Geotechnical and Hydrological Management and Remediation of Solid, Hazardous and Low-Level Radioactive Wastes, including Liner Cover Systems"**

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| Y. Sheng<br>P. Peter<br>Y. Wei<br>A. R. Milnes<br>(Australia)  | Capping of an Extremely Soft Neutralised Uranium Tailings<br>- A Case History in Environmental Geomechanics. 10.01     |
| Romeo Ciubotariu<br>Marie Wilson<br>(Canada)<br>C. E. Schneeberger<br>(Switzerland)<br>William J. Hague<br>(USA) | The Environmental Remediation of Clark Island -A Former<br>Allied Signal, Inc. Site. 10.02                             |
| Ronald C. Chaney<br>Kenneth Demars<br>Gregory N. Richardson<br>(USA)   | Design of Contaminated Dredged Fills Utilizing Geosynthetics. 10.04  |
| Niu Zhirong<br>Zhou Changyong<br>(China)   | Case Histories of Two Kinds of Composite Foundation -<br>Constructing Buildings Over-Crossing Canals. 10.05            |
| Wayne R. Bergstrom<br>Patrick Dugan<br>(USA)   | Test Fill to Determine the Compression Behavior of a Closed<br>Industrial Waste Landfill. 10.07                        |
| D. L. Shah<br>A. V. Shroff<br>(India)  | Effect of Effluents of Industrial Waste on Soil Properties<br>( A Case Study of Nandesari Area, Vadodara). 10.08       |
| F. Colleselli<br>M. Macoratti<br>(Italy)   | A Particular Foundation Problem on a Waste Fill. 10.09   |
| L.M. Pissarra<br>N. Guedes<br>J. Garrido<br>M. L. Lopes<br>C. C. Freitas<br>(Portugal)                           | Alcanena Industrial Waste Landfill - Description of a<br>Portuguese Case History. 10.10                                |
| Victor A. Modeer<br>Mary C. Lamie<br>(USA)   | Regulatory, Environmental and Geotechnical Solutions to Construction<br>of a Roadway Embankment over a Landfill. 10.11 |
| Sanjeev Kumar<br>(USA)   | Procedure to Predict Settlement of Solid Waste Landfills Using Power Creep Law.<br>10.12                               |
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**Session XI**

**"Case Histories of Non-Destructive Evaluation of Drilled Shafts, Auger Cast Piles and Driven Piles"**

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|---|---|
| Raymond J. Castelli<br>Mohamad Hussein<br>(USA)                         | Pile Foundation Construction for the Buckman Bridge<br>Jacksonville, Florida. 11.01                                 |
| Narong Thasnanipan<br>Aung Win Maung<br>Ganeshan Baskaran<br>(Thailand) | Sonic Integrity Test on Piles Founded in Bangkok Subsoil<br>Signal Characteristics and their Interpretations. 11.02 |

**Session XII**

**SPECIAL SESSION "GEOTECHNICAL ENGINEERING PRACTICE IN THE 21st CENTURY"**

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| Walter W. Hays<br>(USA) | Toward Earthquake Resilient Cities in the 21st Century:<br>Reduction of Community Vulnerability. 12.01 |
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## GENERAL REPORTS

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|---|--|
| A. J. Lutenecker<br>Carole L.B. Mitchell<br>(USA)                   | Case Histories of Foundations. Paper No. GR-I  |
| Vlad Perlea<br>Mary P. Perlea<br>(USA)<br>B.B.K. Huat<br>(Malaysia) | Case Histories of Slopes, Dams and Embankments.<br>Paper No. GR-II   |
| Ahmed-W Elgamal<br>Marshall Lew<br>(USA)                            | Case Histories of Geotechnical Earthquake Engineering.<br>Paper No. GR-III   |
| George Manyando<br>Sanjeev Kumar<br>(USA)                           | Case Histories of Engineering Vibrations. Paper No. GR-IV  |
| R. V. Siddharthan<br>(USA)<br>Arni E. Rafnsson<br>(Iceland)         | Case Histories of Retaining Structures and Deep Excavations.<br>Paper No. GR-V   |
| C. G. Mueller<br>Baoshan Huang<br>(USA)<br>M. Kavvadas<br>(Greece)  | Case Histories of Geological, Rock and Mining Engineers<br>Including Underground Structures and Excavations.<br>Paper No. GR-VI  |
| Steven J. Winter<br>(USA)   | Case Histories of Soil Improvement, Grouting, Geosynthetics,<br>Dynamic Compaction, Vibroflotation, Blasting and other Methods<br>Including Geo Economics. Paper No. GR-VII          |
| R.W. Stephenson<br>(USA)  | Case Histories of Forensic Engineering "Where Things Went Wrong".<br>Paper No. GR-VIII   |
| Vijay K. Puri<br>Tom Blackburn<br>John M. Benson<br>(USA)           | Case Histories of New Solutions to Traditional Geotechnical Problems.<br>Paper No. GR-IX   |
| Carsten H. Floess<br>Mary C. Lamie<br>W.R. Bergstrom<br>(USA)       | Case Histories of Geotechnical and Hydrological Management<br>and Remediation of Solid, Hazardous and Low-Level Radioactive<br>Wastes, including Liner Cover Systems. Paper No. GR-X |
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