

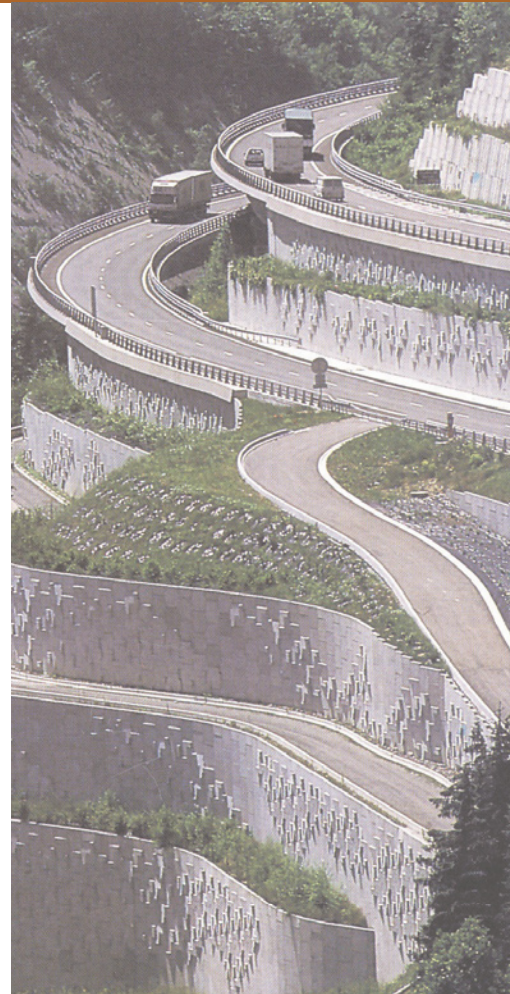
International Perspectives on Soil Reinforcement Applications

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GSP 141:

- ★ Information
- ★ Contents
- ★ Author Index

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GEOTECHNICAL SPECIAL PUBLICATION NO. 141

INTERNATIONAL PERSPECTIVES ON SOIL REINFORCEMENT APPLICATIONS

PROCEEDINGS OF SESSIONS OF THE GEO-FRONTIERS 2005 CONGRESS

January 24–26, 2005
Austin, Texas

SPONSORED BY
Earth Reinforcement Committee of the
International Society of Soil Mechanics and Geotechnical Engineering
(ISSMGE)

Geosynthetics Committee of
The Geo-Institute of the American Society of Civil Engineers

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Published by the American Society of Civil Engineers

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ISBN 0-7844-0769-X

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ISBN 0-7844-0769-X

Manufactured in the United States of America.

American Society of Civil Engineers

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1801 Alexander Bell Drive

Reston, VA 20191-4400 USA

Call Toll-Free in the U.S.: 1-800-548-2723 (ASCE)

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Preface

Because of the significant growth in the use of geosynthetic-reinforced systems, advances have taken place in different regions worldwide, which have led to varying practices, design guidelines, and perspectives on the various soil reinforcement applications. Consequently, an understanding of the similitudes and differences of soil reinforcement practices worldwide will benefit the progress in reinforced soil technology. Accordingly, this ASCE Geotechnical Special Publication includes a series of state-of-the-art papers with emphasis on regional perspectives on soil reinforcement applications. The papers were written by recognized experts, who were invited to present a state-of-the-art perspectives covering the various soil reinforcement applications.

International Perspectives on Soil Reinforcement Applications compiles the papers presented during the session that took place during the Geo-Frontiers 2005 Congress. This crosscutting Congress, organized by the Geo-Institute of ASCE and the Geosynthetic Materials Association (GMA), was held in Austin, Texas, January 23-26, 2005. This Geotechnical Special Publication is being published as a result of the collaboration between the Earth Reinforcement Committee (TC9) of the International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE) and the Geosynthetics Committee of the Geo-Institute (GI) of ASCE.

In line with common soil reinforcement applications, the themes of this Geotechnical Special Publication are: (1) Geosynthetic reinforcement for pavement systems, (2) Geosynthetic reinforcement for soft foundations, (3) Geosynthetic reinforcement in landfill design, and (4) Geosynthetic-reinforced soil walls and slopes. The regional views on these various applications include European, Brazilian, Japanese, Australasian, and US perspectives.

Each paper in this Geotechnical Special Publication was reviewed in accordance with ASCE and Geo-Institute procedures. All the papers included in this publication are thus eligible for discussion (as for papers published in the January 2005 issue of the *ASCE Journal of Geotechnical and Geoenvironmental Engineering*), and are eligible for ASCE awards. The editors would like to take this opportunity to thank the authors of the manuscripts included in this publication for their invaluable contributions. The editors would also like to express their gratitude to the anonymous reviewers for their care and effort and the valuable time they have donated to the Geo-Institute of ASCE. Their dedication has contributed significantly to the quality of the manuscripts in this ASCE Geotechnical Special Publication.

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Geotechnical Special Publications

- 1 *Terzaghi Lectures*
- 2 *Geotechnical Aspects of Stiff and Hard Clays*
- 3 *Landslide Dams: Processes, Risk, and Mitigation*
- 7 *Timber Bulkheads*
- 9 *Foundations & Excavations in Decomposed Rock of the Piedmont Province*
- 11 *Dynamic Response of Pile Foundations: Experiment, Analysis and Observation*
- 14 *Geotechnical Aspects of Karst Terrains*
- 15 *Measured Performance Shallow Foundations*
- 16 *Special Topics in Foundations*
- 17 *Soil Properties Evaluation from Centrifugal Models*
- 18 *Geosynthetics for Soil Improvement*
- 19 *Mine Induced Subsidence: Effects on Engineered Structures*
- 21 *Hydraulic Fill Structures*
- 22 *Foundation Engineering*
- 23 *Predicted and Observed Axial Behavior of Piles*
- 24 *Resilient Moduli of Soils: Laboratory Conditions*
- 25 *Design and Performance of Earth Retaining Structures*
- 27 *Geotechnical Engineering Congress*
- 28 *Detection of and Construction at the Soil/Rock Interface*
- 29 *Recent Advances in Instrumentation, Data Acquisition and Testing in Soil Dynamics*
- 32 *Embankment of Dams: James L. Sherard Contributions*
- 33 *Excavation and Support for the Urban Infrastructure*
- 34 *Piles Under Dynamic Loads*
- 35 *Geotechnical Practice in Dam Rehabilitation*
- 37 *Advances in Site Characterization: Data Acquisition, Data Management and Data Interpretation*
- 39 *Unsaturated Soils*
- 40 *Vertical and Horizontal Deformations of Foundations and Embankments*
- 41 *Predicted and Measured Behavior of Five Spread Footings on Sand*
- 42 *Serviceability of Earth Retaining Structures*
- 43 *Fracture Mechanics Applied to Geotechnical Engineering*
- 44 *Ground Failures Under Seismic Conditions*
- 45 *In Situ Deep Soil Improvement*
- 46 *Geoenvironment 2000*
- 47 *Geo-Environmental Issues Facing the Americas*
- 48 *Soil Suction Applications in Geotechnical Engineering*
- 49 *Soil Improvement for Earthquake Hazard Mitigation*
- 50 *Foundation Upgrading and Repair for Infrastructure Improvement*
- 51 *Performance of Deep Foundations Under Seismic Loading*
- 52 *Landslides Under Static and Dynamic Conditions: Analysis, Monitoring, and Mitigation*
- 53 *Landfill Closures: Environmental Protection and Land Recovery*
- 54 *Earthquake Design and Performance of Solid Waste Landfills*
- 55 *Earthquake-Induced Movements and Seismic Remediation of Existing Foundations and Abutments*
- 56 *Static and Dynamic Properties of Gravelly Soils*
- 57 *Verification of Geotechnical Grouting*
- 58 *Uncertainty in the Geologic Environment*
- 59 *Engineered Contaminated Soils and Interaction of Soil Geomembranes*
- 60 *Analysis and Design of Retaining Structures Against Earthquakes*
- 61 *Measuring and Modeling Time Dependent Soil Behavior*
- 62 *Case Histories of Geophysics Applied to Civil Engineering and Public Policy*
- 63 *Design with Residual Materials: Geotechnical and Construction Considerations*
- 64 *Observation and Modeling in Numerical Analysis and Model Tests in Dynamic Soil-Structure Interaction Problems*
- 65 *Dredging and Management of Dredged Material*
- 66 *Grouting: Compaction, Remediation and Testing*
- 67 *Spatial Analysis in Soil Dynamics and Earthquake Engineering*
- 68 *Unsaturated Soil Engineering Practice*
- 69 *Ground Improvement, Ground Reinforcement, Ground Treatment: Developments 1987-1997*
- 70 *Seismic Analysis and Design for Soil-Pile-Structure Interactions*
- 71 *In Situ Remediation of the Geoenvironment*
- 72 *Degradation of Natural Building Stone*
- 73 *Innovative Design and Construction for Foundations and Substructures Subject to Freezing and Frost*

- 74 *Guidelines of Engineering Practice for Braced and Tied-Back Excavations*
- 75 *Geotechnical Earthquake Engineering and Soil Dynamics III*
- 76 *Geosynthetics in Foundation Reinforcement and Erosion Control Systems*
- 77 *Stability of Natural Slopes in the Coastal Plain*
- 78 *Filtration and Drainage in Geotechnical/Geoenvironmental Engineering*
- 79 *Recycled Materials in Geotechnical Applications*
- 80 *Grouts and Grouting: A Potpourri of Projects*
- 81 *Soil Improvement for Big Digs*
- 82 *Risk-Based Corrective Action and Brownfields Restorations*
- 83 *Design and Construction of Earth Retaining Systems*
- 84 *Effects of Construction on Structures*
- 85 *Application of Geotechnical Principles in Pavement Engineering*
- 86 *Big Digs Around the World*
- 87 *Jacked Tunnel Design and Construction*
- 88 *Analysis, Design, Construction, and Testing of Deep Foundations*
- 89 *Recent Advances in the Characterization of Transportation Geo-Materials*
- 90 *Geo-Engineering for Underground Facilities*
- 91 *Special Geotechnical Testing: Central Artery/Tunnel Project in Boston, Massachusetts*
- 94 *Performance Confirmation of Constructed Geotechnical Facilities*
- 95 *Soil-Cement and Other Construction Practices in Geotechnical Engineering*
- 96 *Numerical Methods in Geotechnical Engineering: Recent Developments*
- 97 *Innovations and Applications in Geotechnical Site Characterization*
- 98 *Pavement Subgrade, Unbound Materials, and Nondestructive Testing*
- 99 *Advances in Unsaturated Geotechnics*
- 100 *New Technological and Design Developments in Deep Foundations*
- 101 *Slope Stability 2000*
- 102 *Trends in Rock Mechanics*
- 103 *Advances in Transportation and Geoenvironmental Systems Using Geosynthetics*
- 104 *Advances in Grouting and Ground Modification*
- 105 *Environmental Geotechnics*
- 106 *Geotechnical Measurements: Lab & Field*
- 107 *Soil Dynamics and Liquefaction 2000*
- 108 *Use of Geophysical Methods in Construction*
- 109 *Educational Issues in Geotechnical Engineering*
- 110 *Computer Simulation of Earthquake Effects*
- 111 *Judgment and Innovation: The Heritage and Future of the Geotechnical Engineering Profession*
- 112 *Soft Ground Technology*
- 114 *Soils Magic*
- 115 *Expansive Clay Soils and Vegetative Influence on Shallow Foundations*
- 116 *Deep Foundations 2002: An International Perspective on Theory, Design, Construction, and Performance*
- 117 *Discrete Element Methods: Numerical Modeling of Discontinua*
- 118 *A History of Progress: Selected U.S. Papers in Geotechnical Engineering*
- 119 *Soil Behavior and Soft Ground Construction*
- 120 *Grouting and Ground Treatment*
- 121 *Probabilistic Site Characterization at the National Geotechnical Experimentation Sites*
- 122 *Sinkholes and the Engineering and Environmental Impacts of Karst*
- 123 *Recent Advances in Materials Characterization and Modeling of Pavement Systems*
- 124 *GeoSupport 2004: Drilled Shafts, Micropiling, Deep Mixing, Remedial and Specialty Foundation Systems*
- 125 *Current Practices and Future Trends in Deep Foundations*
- 126 *Geotechnical Engineering for Transportation Projects*
- 127 *Recycled Materials in Geotechnics*
- 128 *Soil Constitutive Models: Evaluation, Selection, and Calibration*
- 129 *Advances in Designing and Testing Deep Foundations*
- 130 *Advances in Pavement Engineering*
- 131 *Contemporary Issues in Foundation Engineering*
- 132 *Advances in Deep Foundations: In Memory of Michael W. O'Neill*
- 133 *Earthquake Engineering and Soil Dynamics*
- 134 *Soil Dynamics Symposium in Honor of Professor Richard D. Woods*
- 135 *Erosion of Soils and Scour of Foundations*
- 136 *Innovations in Grouting and Soil Improvement*

- 137 *Legal and Liability Issues in Geotechnical Engineering*
- 138 *Site Characterization and Modeling*
- 139 *Calibration of Constitutive Models*
- 140 *Slopes and Retaining Structures Under Seismic and Static Conditions*
- 141 *International Perspectives on Soil Reinforcement Applications*

Author Index – GSP 141 International Perspectives on Soil Reinforcement Applications

Berg, R. R.	Geosynthetic Reinforcement for Pavement Systems: US Perspectives
Bouazza, Abdelmalek	Geosynthetic Reinforcement in Landfill Design: Australasian Perspectives
Bowders, J. J.	Geosynthetic Reinforcement for Pavement Systems: US Perspectives
Christopher, B. R.	Geosynthetic Reinforcement for Pavement Systems: US Perspectives
Christopher, B. R.	Geosynthetic-Reinforced Soil Walls and Slopes: US Perspectives
de S. Bueno, Benedito	Geosynthetic-Reinforced Soil Walls and Slopes: Brazilian Perspectives
Eiksund, Gudmund	Geosynthetic Reinforcement for Pavement Systems: European Perspectives
Gabr, Mohammed	Geosynthetic Reinforcement for Soft Foundations: US Perspectives
Gassner, Fred	Geosynthetic Reinforcement in Landfill Design: Australasian Perspectives
Gourc, J. P.	Geosynthetic Reinforcement in Landfill Design: European Perspectives
Han, Jie	Geosynthetic Reinforcement for Soft Foundations: US Perspectives
Jenner, Chris	Geosynthetic Reinforcement for Pavement Systems: European Perspectives
Jones, Colin J. F. P.	Geosynthetic-Reinforced Soil Walls and Slopes: European Perspectives
Leshchinsky, D.	Geosynthetic-Reinforced Soil Walls and Slopes: US Perspectives
Miki, H.	Geosynthetic Reinforcement for Soft Foundations: Japanese Perspectives
Ochiai, H.	Geosynthetic-Reinforced Soil Walls and Slopes: Japanese Perspectives
Otani, J.	Geosynthetic-Reinforced Soil Walls and Slopes: Japanese Perspectives
Palmeira, E. M.	Geosynthetic Reinforcement for Soft Foundations: Brazilian Perspectives

Perkins, S. W.	Geosynthetic Reinforcement for Pavement Systems: US Perspectives
Rathmayer, Hans	Geosynthetic Reinforcement for Pavement Systems: European Perspectives
Reyes-Ramirez, R.	Geosynthetic Reinforcement in Landfill Design: European Perspectives
Stulgis, R.	Geosynthetic-Reinforced Soil Walls and Slopes: US Perspectives
Villard, P.	Geosynthetic Reinforcement in Landfill Design: European Perspectives
Watn, Arnstein	Geosynthetic Reinforcement for Pavement Systems: European Perspectives
Zornberg, Jorge G.	Geosynthetic Reinforcement in Landfill Design: US Perspectives