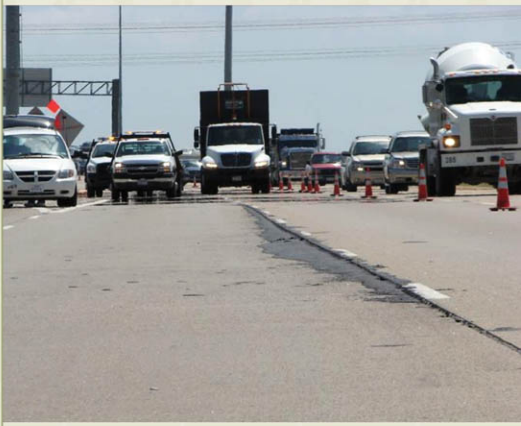
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Characterization, Modeling, and Performance of Geomaterials



Edited by
Xiong Zhang, Ph.D
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Hongyuan Fu, Ph.D
Jie Zhang, Ph.D, P.E.

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Preface

This Geotechnical Special Publication (GSP), along with its eight companion volumes, contains selected papers from the GeoHunan International Conference: Challenges and Recent Advances in Pavement Technologies and Transportation Geotechnics held in Hunan, China on August 3 to 6, 2009. The conference was hosted by Changsa University of Science and Technology. This pavement and geotechnical conference was endorsed by a number of leading international professional organizations. This conference provided a showcase for recent developments and advancements in pavement and geotechnique and offered a forum to discuss and debate future directions for geo–engineering in the 21st century. Conference topics covered a broad array of contemporary issues and design and construction techniques for professionals involved in roadway pavement, geotechnical, geoenvironmental, and geomechnical disciplines.

The conference received 320 full papers from over 30 countries. All 320 full papers were peer-reviewed, and about 249 papers were accepted through a rigorous peer review process that were presented in 18 presentation sessions and six poster sessions, in addition to three invited keynote presentations. This GSP included 27 papers in the following five topics:

Advances in Unsaturated Soil, Seepage, and Environmental Geotechnics
Geosynthetics
Geo-environmental Engineering
NDT Testing of Infrastructure Materials, and
Bridge Approach Embankment

The editors would like to expression their appreciation for having been provided opportunity to be a part of the conferences' organization, and hope this proceeding will be useful to the geotechnical and pavement engineering community for many decades to come.

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