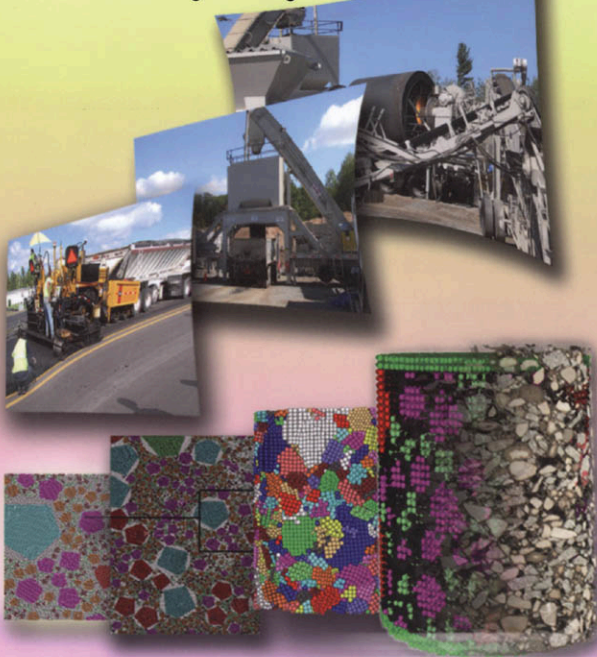


# PAVEMENTS AND MATERIALS

Modeling, Testing, and Performance



**GEOTECHNICAL SPECIAL PUBLICATION NO. 184**

**EDITED BY**  
Zhanping You  
Ala R. Abbas

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# PAVEMENTS AND MATERIALS

## *MODELING, TESTING, AND PERFORMANCE*

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PROCEEDINGS OF THE SYMPOSIUM ON PAVEMENT MECHANICS AND  
MATERIALS AT THE INAUGURAL INTERNATIONAL CONFERENCE OF  
THE ENGINEERING MECHANICS INSTITUTE

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May 18–21, 2008  
Minneapolis, Minnesota

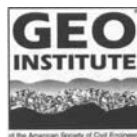
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# Preface

This special publication includes 16 invited papers on the modeling and testing of pavement structures and pavement materials. They include the subjects in asphalt materials, hot mix asphalt, asphalt pavements, and concrete pavements. They also include a few research papers with the most recent findings from four National Science Foundation research projects, which are highly regarded on modeling and testing of pavement materials and pavement structures.

Each paper published in this GSP was rigorously evaluated by peer reviewers and the editors. The review comments were sent to the authors and they have been addressed to the reviewers and the editors' satisfaction. The editors sincerely acknowledge reviewers' time and efforts. The editors also acknowledge Graduate student Shu Wei Goh at Michigan Technological University in the assistance of the cover design.

The papers in this GSP include 11 papers that were presented in the symposium on Pavement Mechanics and Materials at the Symposium on Pavement Mechanics and Materials at the Inaugural International Conference of the Engineering Mechanics Institute (EM08) held at Minneapolis, Minnesota, May 18-21, 2008. The papers in this GSP also include five papers invited by the editors of this GSP. The symposium was supported by the Geo-Institute Pavements Committee, the Task Committee on Mechanics of Pavements, the Granular Materials Committee and the Inelastic Committee of the ASCE Engineering Mechanics Institute.

The editors of this GSP would like to thank the Board of Governors of the Geo Institute for their approving the symposium and the special publication.

Zhanping You, Ph.D., P.E., Michigan Technological University  
Ala R. Abbas, Ph.D., University of Akron  
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May 10, 2008



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