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# Innovative and Sustainable Solutions in Asphalt Pavements


**Edited by**

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Jan Valentin, Ph.D.

Zhen (Leo) Liu, Ph.D.



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# GEO-CHINA 2016

## *INNOVATIVE AND SUSTAINABLE SOLUTIONS IN ASPHALT PAVEMENTS*

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# Preface

Recently significant emphasize have been given to explore sustainable solutions for construction of asphalt pavements. The utilization of recycled mix, warm mix technology, and innovative pavement design, performance evaluation methods have been reported by many researchers. This Geotechnical Special Publication (GSP) contains 30 papers that were presented at the GeoChina 2016 International Conference on Sustainable Civil Infrastructures: Innovative Technologies for Severe Weathers and Climate Changes, held in Shandong, China on July 25-27, 2016. Major topics covered are:

- Recycling of asphalt pavements;
- Pavement design, modeling, performance evaluation & management;
- Sustainable long life pavements;
- Warm mix asphalt.

The overall theme of the GSP is innovative and sustainable solutions in asphalt pavements, where the presented papers address different research issues and findings of this theme. This publication provides a good and timely overview of recent trends and the newest aspects of the key research areas related to asphalt pavements. It provides an effective means of sharing recent technological advancements, engineering applications and research results among scientists, researchers and engineering practitioners.

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# Contents

**Properties of Asphalt Mixtures with Multiple Recycled Asphalt Material.....1**
Tereza Valentová, Adriana Kotoušová, Diana Simnofske, Jan Valentin, and Konrad Mollenhauer

**Polymer Modification Technologies and Asphalt Mixtures Fatigue Resistance in Pavement Structures .....11**
Josef Zak, Jan Suda, and Pavel Ryjacek

**Reclaimed Asphalt Pavements and Contaminant Leaching—A Literature Review Study .....19**
Irina Holleran, Douglas J. Wilson, Glynn Holleran, and Lubinda F. Walubita

**Potentials for Using Pulverized (Micro-Milled) Mineral Waste Materials as Stabilizing Agents or Fillers in Cold Recycled Mixes.....29**
Jan Suda, Zuzana Čížková, Jaroslav Topič, Jan Valentin, and Pavel Tesárek

**Study on Exhaust Degradation Material for Asphalt Pavement.....38**
Chichun Hu, Jiexian Ma, Hong Jiang, Jianying Zhao, and Zhiwu Chen

**Study on Dowel Bar Length and Spacing Based on Theoretical Computation.....45**
Chichun Hu, Jiexian Ma, Yuan Yu, Yi Luo, and Sayvichit Phimmatat

**A New Method for Characterizing Coarse Aggregate Morphology through a MATLAB Program .....53**
Fanyuan Gong, Shun Yao, Yu Liu, Zhanping You, and Hainian Wang

**Development of Performance Models for the Rubberized Asphalt Concrete of Local Agencies in California .....61**
Ding Xin Cheng, R. Gary Hicks, and Lerose Lane

**Application of Polymeric Cement Concrete as Overlay Material on Old Concrete Pavements for Low Volume Roads: Chinese Experience.....69**
Zhenfeng Lv, Bo Li, Liangying Li, and Weizhong Ma

**Influence of Freeze-Thaw on the Mechanical Behavior of the Granular Base and Fatigue Life of Pavement Structures in Japan .....77**
Tatsuya Ishikawa and Shinichiro Kawabata

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**Effects of CTE, MOR, and Elastic Modulus on the Performance of Rigid Pavement by MEPDG Simulation .....86**
Gauhar Sabih and Rafiqul A. Tarefder

**A Tire-Pavement Contact Model Derived from Measured Tire Characteristics .....94**
Runhua Guo and Feng Wang

**Rapid Deterioration of Pavements Due to Flooding Events in Australia.....104**
Masuda Sultana, Gary Chai, Sanaul Chowdhury, and Tim Martin

**Determining the Average Asphalt Temperature of Flexible Pavement .....113**
Zafrul Khan, Md. Rashadul Islam, and Rafiqul A. Tarefder

**Cluster Analysis of LTPP Data to Estimate MEPDG Traffic Input for NM State and Perform a Sensitivity Analysis.....120**
Umme Amina Mannan, Jielin Pan, and Rafiqul Tarefder

**Vehicle Rolling Resistance as Affected by Tire and Road Conditions .....129**
Wynand JvdM Steyn, D. Lombard, G. Mashabela, J. Smith Rudolph, and Webb Francois

**Effectiveness of Rehabilitation Options on Roughness Using LTPP Section Data for New Mexico.....137**
Mena Souliman, Kumar Shankar, and Lubinda F. Walubita

**A Study of the Structural Performance of Flexible Pavements Using a Traffic Speed Deflectometer .....146**
Sittampalam Manoharan, Gary Chai, Sanaul Chowdhury, and Andrew Golding

**A Modification Mechanism Study of Buton Natural Rock Asphalt in a Matrix Asphalt and Asphalt Mixture .....155**
Jinjin Shi, Yingbiao Wu, Jinyan Liu, and Zhao Wen

**$^{1}$H-NMR Relaxation and Application Study of Evaporatable Water in Foamed Asphalt .....163**
Yingbiao Wu, Jinjin Shi, Qingyi Xiao, and Zhang Yu

**Performance Evaluation of Portland Cement Concrete Pervious Pavement: A Case Study in the Puli Office Building Project .....172**
Ming-Ju Lee, Ming-Gin Lee, Yi-Shuo Huang, and Yu-Min Su

**Model for Benchmarking a Pavement Maintenance Budget for Sustainable Road Transport Infrastructure .....180**
Gary Chai, Roy Bartlett, Greg Kelly, Li Yang, and Erwin Oh

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**Innovative System Design for Road Pavement Crack and Joint Maintenance .....188**
Chao Wang, Jee Woong Park, and Yong K. Cho

**Effect of Additive Bitumious Binders on a New Generation of High Modulus Asphalt Mixtures.....196**
Pavla Vacková, Jan Valentin, Petr Mondschein, and Lucie Soukupová

**Evaluations of Plant-Produced Foamed Warm Mixture Asphalt.....205**
Mohd. Rosli Mohd. Hasan, David Porter, Hui Yao, Shu Wei Goh, and Zhanping You

**Feasibility Study of Polymer-Modified Warm-Mix Asphalt Technology Used in Mongolia .....213**
Jin-Wook Lee, Kang-Hun Lee, Yong-Joo Kim, and Soo-Ahn Kwon

**Study on a New Mixing Method of an Asphalt Mixture Based on Particles Technology.....219**
Gui-Ling Hu, Wenyang Han, and Jincheng Wei

**Effect of Short-Term Aging Time on the Moisture Susceptibility of a Warm Mix Asphalt Binder Using the Surface Free Energy Method .....229**
Bo Li, Xiang Liu, Liangying Li, and Weizhong Ma

**Experimental Study on the Compaction Characteristics of Foamed Warm Mix SMA Based on the Shear Gyratory Compaction Method.....237**
Yingbiao Wu, Jinjin Shi, Qingyi Xiao, and Chenfang Yang

**Moisture Susceptibility of a Crumb Rubber Modified Binder Containing WMA Additives Using the Surface Free Energy Approach.....245**
Ayyanna Habal and Dharamveer Singh

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