

<<第五届中日铺面技术>>

图书基本信息

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### 内容概要

China-Japan Workshop on Pavement Technologies (CJWPT) is a regular symposium on the latest advancement and technologies on the pavement of highway : road and airfield : which will be co-organized by China and Japan every two years. Since 4th CJWPT held in Sapporo : Japan in July 2007 : the scholars and engineers of the two countries have made advanced achievements in pavement materials and technologies. As to share the best practices and innovative ideas among the fields of design : construction and maintenance of road pavements and new materials of the two countries : the 5th CJWPT organizes the international symposium on pavement technologies : which can promote the mutual communication and pave the way for further collaboration.

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书籍目录

- Influence of Moving Load to Extend the Deformation of Asphalt Pavement.
- Study on the Influence of Particle Size Distribution on the Pavement Performance of Road Cement-based Materials.
- Study on Microscopic Mechanics Characteristics of Air Void for Porous Asphalt Mixture.
- Heat Reflective Coating on Road Surface.
- Virtual Fracture Test of Asphalt Mixture Based on Discrete Element Method.
- Fine Stone Matrix Asphalt (SMA-5) Using for Thin Overlays.
- Long-term Performance of Recycled Asphalt in Cold : Snowy Regions.
- Determination of the Allowable Differential Settlement at the End of the Bridge without Approach Slab with Five-degree-of-freedom Vehicle Model.
- Impact Analysis of Water-film on Porous Pavement to Driving Safety.
- Study on Thin Layer Porous Pavement Method to Save Energy and Cost.
- Modeling and Optimizing of Superelevation Rates : This Study is Based on the Regulations of Design Specification for Highway Alignment in China.
- Development of Vibration Reduction Pavement Using Rubber Vibration Isolator.
- Study on the Pre-maintaining Technology for the Drainage Pavement.
- Optimum Parameters and Properties with Age of CRAM Foamed Asphalt.
- Some Issues on Surface Distress of Airport Pavements in Japan.
- New Techniques to Detect Layers Debonding with Infrared Imaging and Ground Penetrating Radar.
- The Research on Slag Road Cement (SRC) Using Less Clinker and More Granulated Blast Furnace Slag.
- Experimental Study on Durability of Solar Reflective Airport Pavement Subjected to Airplane Load.
- Plastic Deformation Analysis of Coarse Granular Materials under Cyclic Moving Wheel Loads by Cumulative Damage Model.
- Deformation Characteristics of Abraded Granular Materials on Cyclic Loading.
- Study on Applicability of Short Fiber Reinforced Concrete to Railway Roadbed.

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Fundamental Study on Bearing Capacity Evaluation of Base Course for Concrete Pavement.

Comparison of Natural Asphalt with Ordinary Asphalt in Chemical Properties and Road Performance.

Research on the Performance of PR Anti-rutting Additive.

Study on Asphalt Pavement Roughness Based on Passengers Physiological-psychological Reaction.

Fatigue Behavior of Bituminous Mixtures under Repeated Loading in Low Strain Level.

FEM Modeling and Microstructure Analysis of Asphalt Concrete with Computerized

Tomography Identification.

A Study of Winter Road Surface Measures at Airports in Cold : Snowy Regions.

Experimental Investigation on Asphalt Modified by Xinjiang Wuerhe Rock Asphalt.

A Study on Recycled Porous Asphalt Pavement Using General Recycled Asphalt Materials.

Studies on the GTM Design of Asphalt Mixtures and the Quality of Construction.

Development of Pedestrian-friendly Pavements Using Pressurized Fluidized Bed

Combustion Ash and Bamboo Chips.

Evaluation of Transverse Shoving Deformation in Asphalt Pavement : Impact of

Base Resilient Modulus.

Study and Application of Heat Recycle Technology for Asphalt Concrete.

Studies of the Calculation Methods for the Effective Density of Aggregates and the

Volume Parameters of Mixtures

Study on a Countermeasure for Improving the Fatigue Durability of Existing Orthotropic

Steel Deck Plates Using SFRC Pavement.

Effect of Sisal Fiber on Asphalt Mixture Performance.

Analysis of Reasons of Concrete Bridge Surface Defects and Discussion on Relevant Patching.

Present State of the Application and Condition for Spreading the Use on Nondestructive Methods.

Dynamic Load Model Test Study on Steel Bridge Deck Surface Deformation of Pearl River

Huangpu Bridge.

Finite Element Analysis of Circular Track Testing and Axle-equivalent Method.

Studies of the Performance and Design Standards of Graded Crushed Stone Compacted by Vibration.

Structural Evaluation of Pavement by Backcalculation.

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Glistening Asphalt Surface Course in Highway Tunnel.  
Research on Inorganic Binder Stabilized Material Temperature Shrinkage Coefficient Test Method.  
Research on Dynamic Modulus of SBS Modified HMA.  
Study on Reasonable Cracked Size for Old Concrete Pavement Slab.  
Gradation Design Method based on Method of  $i$  Change.  
Asphalt Mixture Design Method Based on High Temperature Performance.  
Research on Application of Waste Rubber in Recycling Asphalt Mixture.  
Research on Compatibility of Nano- $\text{CaCO}_3$  Modified Asphalt.  
Research on Composite Characteristics and Models of Viscosity for Recycled Asphalt.  
Research on Evaluating Method and WRI of Asphalt Mixture.  
Test Research on Fatigue Properties of Asphalt Treated Macadam.  
Study on Pavement Performance of Flexible Basement in Tibet.

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