

1. Record Nr.	UNINA9910455288103321
Titolo	Performance modeling and evaluation of pavement systems and materials [[electronic resource]] : selected papers from the 2009 GeoHunan International Conference, August 3-6, 2009, Changsha, Hunan, China / / hosted by Changsha University of Science and Technology, China ; co-sponsored by ASCE Geo-Institute, USA ... [et al.] ; edited by Halil Ceylan ... [et al.]
Pubbl/distr/stampa	Reston, Va., : Geo Institute of American Society of Civil Engineers, c2009
ISBN	0-7844-7294-7
Descrizione fisica	1 online resource (184 p.)
Collana	Geotechnical special publication ; ; no. 195
Altri autori (Persone)	CeylanHalil
Disciplina	625.8
Soggetti	Pavements, Asphalt concrete - Design and construction - Evaluation Pavements, Concrete - Design and construction - Evaluation Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references and indexes.
Nota di contenuto	""Cover""; ""Contents""; ""Pavement Performance Modeling and Evaluation""; ""Review of the Back-Propagation Neural Network Method as a Basis for Pavement Performance Assessment""; ""Evaluation of PCCP Performance Based on Fuzzy Complex Matter Element Method""; ""Asphalt Pavement Evaluation Based on Matter Element Model""; ""Correlations among Pavement Surface Roughness, Moving Dynamic Vehicle Loads, and Concrete Pavement Performance""; ""Weights Comparison of Pavement Surface Distress Index in China and the US""; ""Studies on Risk Management of the Urban Infrastructure Projects Based on the BOT Financing Model""; ""Analyzing the Cause of Asphalt Pavement Rut Damage of Heng-Zao Freeway""; ""Study on the Method to Calculate Rutting of Asphalt Pavement Based on the Dynamic Load Coupled between the Road and Vehicle""; ""Calibration of Roughness Measuring Instrument for Adopting the Performance Warranty System""; ""Pavement Systems Modeling""; ""Similarity Analysis of Rutting Test for Asphalt Pavement Based on Similarity Theory""; ""Three Integral Constant Determination Methods and Their

Applications to Subgrade Settlement Grey Prediction Model";
Temperature Prediction Model for Flexible Pavements in Taiwan";
"Parallel Direct Solver for Linear Systems Resulting from Constitutive
Modeling of Pavement"; "Dynamic Responses Model of Asphalt
Pavement under Complex Vehicle Loads"; "Mix Design of Pervious
Recycled Concrete"; "Pavement Materials Modeling"; "Influence of
Water Saturated State on Moisture Susceptibility of Asphalt Mixture"
"Development and Verification of Creep Constitutive Model for Asphalt
Mixture Based on Continuum Damage Theory"; "On Dynamic Pore
Pressure in Moisture Damage of Asphalt Pavement"; "Influence of ATB
on Pavement Performance"; "Characteristics and Prediction of
Permanent Deformation in HMA"; "Evaluation of Low-Temperature
Properties of Long-Term-Aged Asphalt Mixtures"; "Mechanical Study
of Steel Bridge Pavement with Composite Asphalt Materials"; "A Cyclic
Cohesive Crack Model Based on Bounding Surface Concept"
"Research on the Relationship between the Loading and the
Conductivity of Smart Asphalt Concrete"; "Indexes"; "Author Index";
"A"; "C"; "D"; "G"; "H"; "J"; "K"; "L"; "M"; "N"; "P"; "Q";
"R"; "S"; "T"; "V"; "W"; "Y"; "Z"; "Subject Index"
