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By Y. Kim

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An Expert Guide to Developing More-Durable and Cost-Effective Asphalt Pavements

Written by distinguished experts from countries around the world, *Modeling of Asphalt Concrete* presents in-depth coverage of the current materials, methods, and models used for asphalt pavements.

Included is state-of-the-art information on fundamental material properties and mechanisms affecting the performance of asphalt concrete, new rheological testing and analysis techniques, constitutive models, and performance prediction methodologies for asphalt concrete and asphalt pavements. Emphasis is placed on the modeling of asphalt mixes for specific geographic/climatic requirements.

In light of America's crumbling infrastructure and our heavy usage of asphalt as a paving material, this timely reference is essential for the development of more-durable and cost-effective asphalt materials for both new construction and rehabilitation.

Harness the Latest Breakthroughs in Asphalt Concrete Technology:

• Asphalt Rheology • Constitutive Models • Stiffness Characterization • Models for Low-Temperature Cracking • Models for Fatigue Cracking and Moisture Damage • Models for Rutting and Aging

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About the Author
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