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Performance-Related Material Properties of Asphalt Mixture Components

Guest Editors:

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Deadline for manuscript submissions:
closed (10 January 2023)

Message from the Guest Editors

Each component of asphalt mixture (e.g., asphalt binder, aggregate, recycled materials and additives) directly affects the performance of asphalt mixture and asphalt pavement, such as fracture, permanent deformation, aging and moisture. Different damage modes are induced by different mechanisms and/or under different environmental conditions, and the contribution of each component to resist different types of damage is different. Therefore, it is vital to accurately evaluate the effects of the fundamental properties of asphalt mixture components and the component interactions that are related to damage performance, which are critical to develop performance models for asphalt mixture. The assessment of material properties becomes essential when recycled materials and/or additives are involved.

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Message from the Editor-in-Chief

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