

Innovative Approaches to Characterize Asphalt Binders and Mixtures

- Thursday March 28th, 2019 | 2:00 – 3:30 PM (CST)
- **Free registration at:** <https://bit.ly/2IW3y66>
- **Information at:** <http://transet.lsu.edu/webinars/>

Screening of Asphalt Mixes for Moisture Damage using Conventional and Innovative Approaches

In absence of a reliable and quick method for screening of mixes for moisture damage, introducing a simple and quick test/analysis method with a strong mechanistic basis becomes very critical. In this study different standard methods used by the asphalt industry for evaluation of moisture-induced damage potential, as well as a number of innovative approaches were studied and compared.



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Alternatives of Empirical, Ineffective, and Expensive PG Plus Tests to Characterize Modified Binders

Even though PG Plus tests, such as Elastic Recovery (ER), are empirical in nature and have significant limitations, they are being used by different agencies to characterize high-grade asphalt binders. A few alternative methods, such as ER-Dynamic Shear Rheometer and Binder Multiple Stress Creep Recover, to determine their efficacy in characterizing polymeric asphalt binder will be presented.

Revisiting the Performance Grade (PG) Specifications for Asphalt Binders

This study reviews the Superpave Performance Grade (PG) specifications and need to revisit these specifications in light of the changes in the asphalt binder and mixture production technology. Recent developments in improving these specifications and making them more performance-centered will be presented.



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