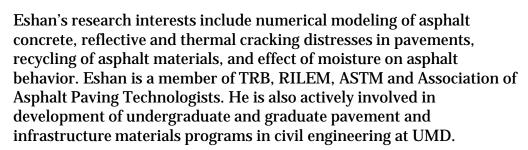
Civil Engineering Graduate Seminar

SPEAKER

Dr. Eshan V. Dave

Assistant Professor of Civil Engineering University of Minnesota - Duluth

Eshan Dave is assistant professor in the Department of Civil Engineering at the University of Minnesota — Duluth (UMD). Prior to joining UMD in August 2010, Eshan was Post-Doctoral Research Associate at the University of Illinois at Urbana-Champaign (UIUC). He obtained his Masters and Ph.D. degrees from UIUC in Civil Engineering in 2003 and 2009, respectively.



Low Temperature Fracture Evaluation of Asphalt Mixtures using Mechanical Testing and Acoustic Emissions Techniques

The seminar will focus on low temperature fracture evaluation of nine mixtures studied through an ongoing USDOT pooled find study. A variety of variables, including: type of binder modification, presence of recycled asphalt pavement (RAP), and low temperature binder grade are studied to assess their fracture behavior in light of two new fracture testing techniques. Laboratory evaluation was done using the disk-shaped compact tension (ASTM D7313) test and by acoustic emissions (AE) technique to characterize low temperature cracking behavior of the asphalt mixtures.

Time & Venue

March 24, 2011 642 Dow Building 4-5 pm Public welcome

