

Mixing and Compaction of Hot and Warm Asphalt Mixtures Workshop

Instructors: Dr. Andrew Hanz, Nima Roohi, Dr. Hussain Bahia

Dates: Wednesday, August 14 and Thursday, August 15, 2013 – Madison, Wisconsin

PROGRAM

Wednesday 9:00 AM- 12:00 PM Room 3609 Engineering Hall

9:00	Welcome and Introduction
9:15	New Concepts to Assess the Role of Asphalt Binder Properties in Mixture Compaction
10:15	Effects of RAP, WMA Additives, and Modification on Binder and Mastic Workability Properties
11:15	Influence of Aggregate Properties on Workability and Performance
12:00	Lunch (Provided)

Wednesday 1:00 PM- 5:00 PM Room 3609 Engineering Hall

1:00	Effects of Compaction Temperature on Mixture Workability
2:00	New Tools to Evaluate Aggregate Structure and Mix Stability
3:00	Applications to Field Production and Different Compaction Methods
4:00	Research Progress and Opportunities for Further Development

Thursday 9:00 AM – 12:00 PM Room 3609 Engineering Hall

9:00	Image Processing and Analysis System (iPas) to Evaluate Aggregate Packing
10:00	Gyratory Pressure Distribution Analyzer (GPDA)
11:00	Asphalt Lubricity Tests in the DSR