Upper Midwest Transportation Materials Summit

November 3-4, 2010
Best Western Franklin Square Inn, 7th Floor
Houghton, Michigan

Technical Program

Wednesday, November 3

6:00-7:30 PM  Registration
7:00-9:00 PM  Reception

Thursday, November 4

7:00-8:00 AM  Registration and Breakfast
8:00 AM  Opening Comments & Introductions
    Larry Sutter, Professor and Director, Michigan Tech Transportation Institute and the University Transportation Center for Materials in Sustainable Transportation Infrastructure
8:10 AM  Welcome
    Dave Reed, Vice President for Research, Michigan Technological University
8:15 AM  Keynote Presentation
    Michael Darter, University of Minnesota (8:15-8:50)
    Status of M-E PDG Implementation: Progress and Case Studies
8:50 AM  Morning Sessions
    Nick Vitillo, Rutgers State University (8:50-9:15)
    M-E PDG Implementation in New Jersey
    Neeraj Buch, Michigan State University (9:15-9:40)
    An Integrated Approach to Implementing the M-E PDG
    Zhanping You, Michigan Tech (9:40-10:05)
    The Preliminary Criteria for Dynamic Moduli of Michigan HMA: Preparing for M-E PDG
10:05 AM  Break
10:20 AM  Late Morning Sessions
    Hussain Bahia, University of Wisconsin (10:20-10:45)
    Energy, Emissions, and Recycling: Opportunities for Making Asphalt Greener

Partnering for the future of transportation.
Thursday, November 4 continued

**Tuncer Edil**, University of Wisconsin (10:45-11:10)
Experiences with Highway Design and Construction Using Recycling Materials

**George Dewey**, Michigan Tech (11:10-11:35)
Determination of the Polish Resistance of Carbonate Aggregates

**Stan Vitton**, Michigan Tech (11:35-12:00)
Dynamic Fracture of Concrete and Aggregate and Its Importance to Sustainable Materials

12:00-1:00 PM Lunch

12:40 PM  Lunch Presentation
**Kirk Steudle**, Director, Michigan Department of Transportation

1:00 PM  Early Afternoon Sessions
**Norb Delatte**, Cleveland State University (1:00-1:25)
Internal Curing of Concrete and Transportation Applications

**Haluk Aktan**, Western Michigan University (1:25-1:50)
Durability of Precast Concrete Component Joints

**Elin Jensen**, Lawrence Technological University (1:50-2:15)
Durability Study of Concrete Bridge Deck

**John Myers**, Missouri University of Science and Technology (2:15-2:40)
Rapid Set Concrete Work for Pavement and Deck Repair Applications

2:40 PM  Break

2:55 PM  Late Afternoon Sessions
**Lev Khazanovich**, University of Minnesota (2:55-3:20)
M-E PDG and Concrete Pavement Design

**Michael Darter**, University of Minnesota (3:20-3:45)
Lessons Learned from the SHRP 2 Composite Pavement Project

**Ben Krom**, Michigan Department of Transportation (3:45-4:10)
Performance Evaluation of Unbonded Concrete Overlays

**Bill Buttlar**, University of Illinois (4:10-4:35)
New Tools for Achieving Durable, Well-Bonded Asphalt Overlays

4:35 PM  Closing Remarks

4:45 PM  Break

5:30 PM  Bus Departs Lobby for Dinner Event

10:00 PM  Final Bus Returns to the Hotel

Friday, November 5

7:00-8:00 AM  Departing Breakfast

8:00 AM  Laboratory Facility Tours (optional)