



MISSOURI  
UNIVERSITY OF  
SCIENCE AND TECHNOLOGY

Distance and Continuing Education  
216 Centennial Hall  
300 W. 12th St.  
Rolla, MO 65409-1560

Non-Profit  
U.S. Postage  
**PAID**  
Permit #170  
Rolla, MO

52nd Annual  
Asphalt Conference  
December 8-9, 2009  
at Missouri S&T

### Who Should Attend?

Asphalt Plant Operators  
Highway Contractors  
Pavement Maintenance  
Professionals  
Road Crews  
Traffic Safety Industry

Register online at <http://asphalt.mst.edu>

Downloadable mail in form is available at <http://asphalt.mst.edu>

**Registration Fee** - The registration fee is \$125 per person which includes the conference registration fee, continental breakfasts and refreshments. A check or purchase order for the fee should be made payable to Missouri S&T and should accompany each registration.

**MARK YOUR CALENDAR**  
for December 8-9, 2009,  
and plan on joining us!

**See you at the  
Conference!**

ASPHALT CONFERENCE  
**52nd**  
ANNUAL

CONFERENCE PROGRAMMING includes:

#### PAVEMENT CONSTRUCTION AND REHABILITATION

Intelligent Compaction  
Construction Factors Influencing Durability  
Plants 201: Making RAP, Shingles, and Warm Mixes

#### MAINTENANCE AND REHABILITATION

Pavement Failure Forensics Panel  
Microsurfacing vs. Overlay: Making a Choice  
Cold In-Place Recycling: Candidate Selection & Design Process  
MoDOT's Chip Seal Performance Challenge

#### AGGREGATES AND MATERIALS

Communication Between the Quarry and Paving Contractor  
Porous Asphalt: The Whole Picture  
Warm Mix in Missouri: Panel Discussion  
Conversion of Non-Superpave Mixes to Gyrotory Basis  
Binder from Plants

#### QC/QA

New PWL Pay Factor Weighting System  
Specification Trends in Large Commercial Projects  
Consultant's/Commercial Lab's Role in Today's Projects  
Available Training for Inspection/Testing

#### Programming for EVERYONE

MoDOT's Current Research  
MAPA Update  
New Pavement Thickness Design Comparison



#### WELCOMERS

**David Richardson, PE, PhD**  
Assoc. Prof. of Civil, Architectural,  
and Environmental Engineering  
Conference Director  
*Missouri S&T*

**William Schonberg, PE, PhD**  
Chair, Dept. of Civil, Architectural,  
and Environmental Engineering  
*Missouri S&T*

**Robert Schwartz, PE, PhD**  
Vice Provost for Academic Affairs  
*Missouri S&T*

#### MODERATORS

**FIRST SESSION:**  
**Shannon Sinn**  
QC Manager  
*Delta Asphalt Inc.*

**SECOND SESSION:**  
**Mike Lusher**  
Civil, Architectural, and  
Environmental Engineering  
Senior Research Specialist  
*Missouri S&T*

**THIRD SESSION:**  
**Jennifer Breuer**  
Quality Control  
*Superior-Bowen Asphalt Co.*

#### SPEAKERS

(alphabetical order)

**Dennis Bryant, PE**  
Technical Support Engineer  
Construction & Materials  
*MoDOT*

**Mike DeGraff**  
Marketing Representative  
*Vance Bros., Inc.*

**John Donahue, PE**  
Pavement Engineer  
Construction & Materials  
*MoDOT*

**Lee Gallivan, PE**  
Asphalt Pavement Engineer  
*FHWA*

**Steve Hargis, PE**  
Director of Public Works/  
City Engineer  
*City of Rolla*

**Rick Holesinger, PE**  
Chief Materials Engineer  
*St. Louis County*  
*Dept. of Hwys. & Traffic*

**Paul Hilchen, PE**  
Assistant Physical  
Laboratory Director  
Construction & Materials  
*MoDOT*

**Steve Jackson, EI**  
Quality Control Manager  
*N.B. West Contracting*

**Travis Koestner, PE**  
Assistant State Construction  
and Materials Engineer  
Construction & Materials  
*MoDOT*

**Andy LaPlante**  
Quality Control Manager  
*Pace Construction Co.*

**Bruce Loesch, PE**  
Materials Engineer/ QC Manager  
*APAC-Missouri, Inc.*

**Mike Lusher**

**Rebecca McDaniel, PE, PhD**  
Technical Director  
*North Central Superpave Center*

**Pat Palmer, PE**  
Government Services  
Representative  
*Missouri Petroleum*

**Joe Schroer, PE**  
Field Materials Engineer  
Construction & Materials  
*MoDOT*

**Rick Sonntag**  
Porous Asphalt Consultant  
*Pace Construction Co.*

**Scott H. Stone, PE**  
Maintenance Liason Engineer  
Maintenance  
*MoDOT*

**Jessica Swick**  
Customer Relations Representative  
*Pace Construction Co.*

**Brent Whitwell, EI**  
Staff Engineer  
*Midwest Testing*

**Dale Williams, PE**  
Field Materials Engineer  
Construction & Materials  
*MoDOT*

**David Yates**  
Executive Director  
*Missouri Asphalt Pavement Assoc.*

#### PLANNING COMMITTEE

**Dennis Bryant, PE**

**Steve Hargis, PE**

**Rick Holesinger, PE**

**Steve Jackson, EI**

**Mike McGee, PE**  
Assistant Transportation Engineer  
*FHWA Missouri Division*

**Brian Mitchell**  
City Street Superintendent  
*City of West Plains*

**Dave Murnan**  
Director of Quality Control  
*Fred Weber, Inc.*

**Lee Newton**  
Vice President  
*Cummings, McGowan,  
& West, Inc.*

**Fred Palmerton, PE**  
Vice President  
*Palmerton and Parrish, Inc.*

**Dwain Polly**  
Sales Manager  
*Capital Quarries Co., Inc.*

**David Richardson, PE, PhD**

**Will Stalcup, PE**  
Physical Laboratory Director  
Construction & Materials  
*MoDOT*

**Scott H. Stone, PE**

**Brent Whitwell, EI**

**David Yates**

## Tuesday, Dec. 8, 2009

St. Pat's Ballroom, Havener Center

**7:00 a.m. REGISTRATION**  
COFFEE, JUICE, PASTRY  
*Carver-Turner Room*

**8:00 a.m. WELCOME**  
Dave Richardson, PE, PhD  
*Dept. of CArE Engr, Materials*  
Bill Schonberg, PE, PhD  
*Dept. of Civil, Arch., & Env. Eng.*  
Robert Schwartz, PE, PhD  
*Missouri S&T Campus*

### FIRST SESSION: CONSTRUCTION/QUALITY CONTROL/INSPECTION

Moderator: Shannon Sinn  
*Delta Asphalt, Inc.*

**8:15 a.m. INTELLIGENT  
COMPACTION**  
Lee Gallivan, PE  
*FHWA*

**8:45 a.m. CONSTRUCTION  
FACTORS INFLUENCING  
DURABILITY**  
Rebecca McDaniel, PE, PhD  
*North Central Superpave Center*

**9:15 a.m. SPECIFICATION TRENDS  
IN LARGE COMMERCIAL  
PROJECTS**  
Brent Whitwell, EI  
*Midwest Testing*

**9:45 a.m. NEW PWL PAY FACTOR  
WEIGHTING FACTORS**  
Lee Gallivan, PE  
*FHWA*

**10:15 a.m. REFRESHMENT BREAK**  
*Carver-Turner Room*

**10:30 a.m. AVAILABLE TRAINING for  
INSPECTION/TESTING**  
Paul Hilchen, PE  
*MoDOT*

**10:50 a.m. CONVERSION OF NON-  
SUPERPAVE MIXES TO  
GYRATORY BASIS**  
Andy LaPlante  
*Pace Construction Co.*

**11:20 a.m. CONSULTANT'S/  
COMMERCIAL LAB'S  
ROLE IN TODAY'S  
PROJECTS**  
Brent Whitwell, EI  
*Midwest Testing*

**11:50 a.m. FIRST SESSION  
ADJOURNS**

*Lunch on your own*

### SECOND SESSION: EQUIPMENT/RECYCLING/ MAINTENANCE

Moderator: Mike Lusher  
*Missouri S&T*

**1:15 p.m. PLANTS 201: Making  
RAP, Shingle, and  
Warm Mixes**  
Steve Jackson, EI  
*N.B. West Contracting*

**1:45 p.m. PAVEMENT FAILURE  
FORENSICS PANEL**  
Moderator: Pat Palmer, PE  
*Missouri Petroleum*

John Donahue, PE  
*MoDOT*

Rick Holesinger, PE  
*St. Louis Co. Hwys. & Traffic*

Mike DeGraff  
*Vance Bros. Inc.*

**2:30 p.m. MICROSURFACING  
vs. OVERLAY:  
Making a Choice**

**City Perspective:**  
Steve Hargis, PE

**County Perspective:**  
Rick Holesinger, PE

**Commercial Perspective:**  
Brent Whitwell, EI

**3:15 p.m. REFRESHMENT BREAK**  
*Carver-Turner Room*

**3:30 p.m. COLD IN-PLACE  
RECYCLING: Candidate  
Selection & Design  
Process**  
Travis Koestner, PE  
*MoDOT*

**4:00 p.m. MoDOT's CHIP SEAL  
PERFORMANCE  
CHALLENGE**  
Scott H. Stone, PE  
*MoDOT*

**4:30 p.m. SECOND SESSION  
ADJOURNS  
CASH BAR**  
*St. Pat's Ballroom B*

## Wednesday, Dec. 9, 2009

St. Pat's Ballroom, Havener Center

**7:30 a.m. COFFEE, JUICE, DANISH**  
*Carver-Turner Room*

### THIRD SESSION: MATERIALS/CONSTRUCTION

Moderator: Jennifer Breuer  
*Superior-Bowen  
Asphalt Co.*

**8:00 a.m. MAPA UPDATE**  
Dave Yates  
*MAPA*

**8:15 a.m. PAVEMENT THICKNESS  
COMPARISON**  
John Donahue, PE  
*MoDOT*

**8:45 a.m. POROUS ASPHALT:  
The Whole Picture**  
Rick Sonntag / Jessica Swick  
*Pace Construction Co.*

**9:15 a.m. COMMUNICATION:  
QUARRY/PAVING  
CONTRACTOR - TBA**

**9:45 a.m. REFRESHMENT BREAK**  
*Carver-Turner Room*

**10:00 a.m. MoDOT UPDATE  
Permeability Study  
Asphalt Foaming  
Technology**

**IRI vs Profile Index**  
Dennis Bryant, PE

**Sulfur Extended Asphalt  
Binder Classification  
Changes**

**Recycled Asphalt Shingle  
Pooled Study**  
Joe Schroer, PE

**NCAT Update  
Reduced Gyration Projects  
Field Gsb by Corelok**  
Dale Williams, PE

**11:00 a.m. WARM MIX in MISSOURI:  
Panel Discussion  
Admixtures vs. Foaming**  
Steve Jackson, EI  
*N.B. West Contracting*  
Bruce Loesch, PE  
*APAC-Missouri, Inc.*

**11:30 a.m. BINDER FROM PLANTS**  
Mike Lusher  
*Missouri S&T*

**11:55 a.m. CONCLUDING  
REMARKS**  
Dave Richardson, PE, PhD  
*Missouri S&T*

**Noon CONFERENCE  
ADJOURNS**

## Asphalt Conference Registration Form • Dec. 8-9, 2009

Mr. /  Ms. (Please print or type) Preferred First Name: \_\_\_\_\_

Name \_\_\_\_\_  
Last First MI

Company \_\_\_\_\_

Address [ home /  work] \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_ Fax \_\_\_\_\_

Email \_\_\_\_\_

Method of Payment:  Check  Purchase/Money Order (payable to: Missouri S&T)

Credit Card Information:  Discover  VISA  MasterCard

Card #: \_\_\_\_\_ Exp. Date \_\_\_\_\_

Print Name as it appears on Credit Card: \_\_\_\_\_

Credit Card Holder/Signature \_\_\_\_\_

**Registration Fee \$125**

Total Enclosed \$ \_\_\_\_\_

NOTE: Certificates to document Professional Development Hours (PDH credits) will be provided; there will be no CEUs.

**Register online at  
<http://asphalt.mst.edu> or  
detach and mail or fax this form to:**

**Distance and Continuing Education**  
216 Centennial Hall, 300 W. 12th Street  
Missouri S&T, Rolla, MO 65409-1560  
Phone (573) 341-6222 | Fax (573) 341-4992

Cancellation Policy – Missouri S&T reserves the right to cancel its programs in the event of insufficient registrations, instructor illness, severe weather, or natural disaster. In the event of cancellation, registrants will be notified immediately and all fees will be refunded in full. Persons wishing to cancel their registrations must do so by **Dec. 1, 2009**. Refunds will not be made after this date.