

↶ 20th Annual

NRRRA

National Road Research Alliance

Pavement Conference

February 18th, 2016

Continuing Education and Conference Center
University of Minnesota





Conference Objective

This one-day conference provides practical information to practitioners and others interested in pavement design, construction, rehabilitation, and maintenance. The conference examines national and local trends and innovations to expand understanding of pavement challenges and solutions.

Who Should Attend

City engineers, county engineers, public works officials, street superintendents, maintenance superintendents, managers, design engineers, consulting engineers, contractors, and others interested in pavement issues.

NRRA

Minnesota is pleased to announce the National Road Research Alliance (NRRA) pooled fund that will focus on solving problems that impact road owners with an emphasis on customer needs. This pooled fund will help direct and compliment the use of the MnROAD test track for local, regional and national research; tech transfer; and implementation needs. Road owner agencies will provide input and participate in the decision making needed for future MnROAD construction and research scheduled in 2017. MnROAD will match up to \$2.5 million in construction funding to aid in the development of the next round of test sections at MnROAD to support common goals. Industry, associations and academia will also play an important role to provide critical input on long-term future trends in research and barriers to implementation, including working with their customers and members who play a direct role in implementation.

Registration and Fees

The early registration fee for the 20th Annual NRRA Pavement Conference (postmarked by January 15) is \$150. The late registration fee (postmarked after January 15) is \$175. Your Pavement Conference registration fee includes instruction, handout materials, lunch, and refreshment breaks. A refund for the conference fee, minus \$30, will be issued if you cancel by January 15. No refunds are available after this date. You can register online or complete the paper form included in this brochure.

Professional Development Hours(PDHs)

Attendees of the Pavement Conference can earn PDHs

Continuing Education Units (CEUs)

Participants who attend the entire conference will receive 0.65 CEUs signifying six hours of program participation. One (1.0) CEU is defined as 10 hours of participation in an organized continuing education program. A CEU certificate will be sent to each participant after the conference. The University of Minnesota Transcripts Office maintains a permanent record of CEUs earned.

Location

The conference will be held at the Continuing Education and Conference Center on the University campus.

Continuing Education and Conference Center
1890 Buford Avenue
St. Paul, MN 55108
www.cce.umn.edu/conferencecenter

Parking

Parking is available adjacent to the conference center; lot S104 or in the fairgrounds lot across the street for a small fee. Parking is also available in Gortner Ramp (hourly rate).

Accommodations

A block of sleeping rooms has been reserved (on Wednesday the 17th only) at the Radisson Hotel Roseville, 2540 North Cleveland Avenue, Roseville, MN 55113, 651-636-4567 or 1-800-333-3333, at the rate of \$102.00 plus tax for single or double occupancy. In order to receive this special rate, you must make your reservation by **February 3rd 2016**, and identify yourself as a participant of the NRRA Pavement Conference. Reservations made after the specified deadline will be accepted on a space and rate available basis.

Complimentary shuttle service to the Continuing Education and Conference Center is available; make arrangements at the hotel front desk.

For Further Information Contact

Email: nrraconf@umn.edu



20th Annual NRRPA Pavement Conference

February 18, 2016

PROGRAM

- 7:30 Registration and Continental Breakfast
- 8:00 Introduction
- 8:15 Gerald Rohrbach Distinguished Service Award
- 8:30 Skok Lecture
Impacts of Research, Practice and Teaching on Pavement Engineering
Michael I. Darter, P.E, Ph.D, Applied Research Associates, Inc.; Moderator - Glenn Engstrom, MnDOT
- 9:30 A Future History of Concrete Pavements
Mark Snyder, Engineering Consultant; Moderator - Glenn Engstrom, MnDOT
- 10:15 Break and Poster Sessions
- 10:45 21st Century Asphalt
David E. Newcomb, P.E, Ph.D, Texas A&M Transportation Institute; Moderator - Ben Worel, MnDOT
- 11:30 Gene Skok Tribute and Introduction of Gene Skok Scholarship
Moderator - Ben Worel, MnDOT
- 12:00 p.m. Lunch and Poster Sessions
- 1:15 Key Findings from the NCAT Test Track
David Timm, Brasfield & Gorrie; Moderator - Dave Van Deusen, MnDOT
- 2:00 Break

Concurrent Sessions - Implementation Case Histories

2:15 Sessions 1A & 1B

SESSION 1A	Moderator - Mark Maloney	SESSION 1B	Moderator - Hafiz Munir
Stabilized Full Depth Reclamation <i>Dave Rettner, American Engineering Testing & Tom Wesolowski, City of Shoreview</i>		Concrete Rehab on I394 <i>Tim Clyne, MnDOT Metro Materials; Nariman Vanaki, MnDOT Metro Construction; Bernard Izevbekhai, MnDOT Office of Materials</i>	

2:45 Sessions 2A & 2B

SESSION 2A	Moderator - Mark Maloney	SESSION 2B	Moderator - Hafiz Munir
CIR/SCB Performance Test <i>Mohammad Reza Sabouri, Ph.D, Braun Intertec; Dan Wegman, Braun Intertec</i>		Geogrid Pavement Design <i>John Siekmeier, MnDOT & Jim Bittmann, MnDOT</i>	

3:15 Sessions 3A & 3B

SESSION 3A	Moderator - Mark Maloney	SESSION 3B	Moderator - Hafiz Munir
Soil Cement Roads <i>Steve Monlux & Bill Vischer</i>		Life Cycle Benefits of Using Recycled Materials <i>Angela Pakes Ahlman, RMRC</i>	

- 3:45 What Do You Get When 5 County Engineers Try to Solve a Problem?
Rick West, Ottertail County; Mike Marti, SRF Consulting; Lance Bernard, SRF Consulting

- 4:15 Closing Comments/Presentation Award/Adjourn



Gerald Rohrbach Award Winners

1998 - Roger C. Olson

1999 - Eugene L. Skok

2000 - George R. Cochran

2001 - Michael Sheehan

2002 - Gerald Rohrbach

2003 - Erland Lukanen

2004 - Art Bolland

2005 - Wayne Fingalson

2006 - Patrick Hughes

2007 - Duane Blanck

2008 - Doug Schwartz

2009 - Mark Maloney

2010 - Mike Robinson

2011 - Rick West

2012 - Dave Janisch

2013 - Rick Kjonaas

2014 - Richard Ingberg

2015 - Gerald Reinke

Planning Committee

Steven Bowers, Michigan Department of Transportation

Glenn Engstrom, Minnesota Department of Transportation

Lev Khazanovich, University of Minnesota

Chris Kufner, Minnesota Department of Transportation

Mark Maloney, City of Shoreview (Minnesota)

Matt Oman, Braun Intertec

Mitch Rasmussen, Minnesota Department of Transportation

Mike Reif, WSB Engineering

Michael Sheehan, City of Olmsted (Minnesota)

Jill Thomas, Minnesota Asphalt Pavement Association

Joel Ullring, Minnesota Department of Transportation

William Wilde, Minnesota State University (Mankato)

Matt Zeller, Concrete Pavement Association of Minnesota

Fred Corrigan, Aggregate & Ready Mix Association

Jim Grothaus, Center for Transportation Studies

Kevin Kliethermes, Federal Highway Administration

Steven Krebs, Wisconsin Department of Transportation

Steve Lund, Minnesota Department of Transportation

Mihai Marasteanu, University of Minnesota

Rob Orthmeyer, Federal Highway Administration

Thomas Ravn, Minnesota Department of Transportation

Dave Rettner, American Engineering Testing

Linda Taylor, Minnesota Department of Transportation

Curt Turgeon, Minnesota Department of Transportation

Randy West, National Center for Asphalt Technology

Benjamin Worel, Minnesota Department of Transportation

Sponsored by: **NRRRA**
National Road Research Alliance

Facilitated by: **UNIVERSITY OF MINNESOTA**
Department of Civil, Environmental, and Geo-Engineering

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Disability accommodations will be provided upon request. This publication is available in alternative formats upon request. Please call 612-624-3745.



REGISTRATION

Please print or type

Last Name First Name M.I.

Company/Institution

Title/Position

Street Address

City State Zip

E-mail

Daytime Telephone Fax Number

I do **not** want to be included on the registrant list for distribution to conference participants.

Payment:

Enclosed is \$150 in payment of the Pavement conference fee – (postmarked **by** January 31)

Enclosed is \$175 in payment of the Pavement conference fee – (postmarked **after** January 31)

Method of Payment

Enclosed is a check or money order payable to the University of Minnesota.

The fee will be paid by my employer; enclosed is a purchase order.

Registrations cannot be finalized unless accompanied by a check, money order, or purchase order. If your check is returned because of insufficient funds, closed account, or because you have made a stop payment request, you will be charged a check-handling fee of \$20.

Registration:

Register online:

www.dot.state.mn.us/mnroad/nrra/pavementconference/registration.html

Enclose a check or purchase order (Payable to the University of Minnesota) and mail to:

NRRA Pavement Conference
Department of Civil, Environmental, and Geo-Engineering
500 Pillsbury Dr. SE
University of Minnesota
Minneapolis, MN 55455-0116

The registration form can be faxed to 612-626-7750 or emailed to nrraconf@umn.edu