

MICHIGAN Winter Operations Conference

October 16-17, 2012 • Lansing, Michigan

Network with Fellow Snowfighters

Preparation is the key to a successful season of winter maintenance. New technologies, changes in operational practices, and routine maintenance can all save your agency money once the snow starts to fly. **To help you gear up** for the winter ahead, attend the Michigan Winter Operations Conference where you can listen to, learn from, and share ideas with your peers from state, county, and municipal agencies.

Choose your Content

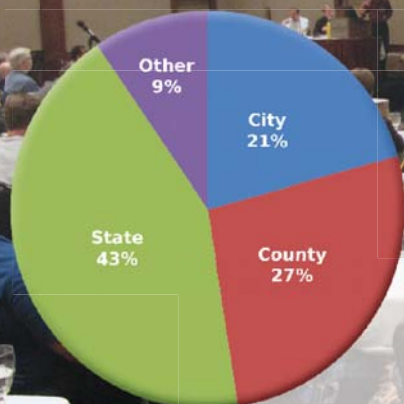
As a registered attendee, you will have full access to **22 technical presentations**, including a series of eight presentations for operators and mechanics and eight more for managers and supervisors.

Meet with Industry Experts

In addition to your choice of technical presentations, this year's conference will feature **suppliers of winter maintenance equipment, materials, and services** from across the country. The supplier showcase will give you a unique opportunity to learn more about the latest technologies and techniques for managing ice and snow. The showcase will be open in the afternoon and evening on the first day of the conference and also during the breaks indicated on the agenda.



Don't miss the largest gathering of snow-fighters in Michigan!



Last year's conference attracted 180 operators, superintendents, managers, and directors from state, county, and municipal agencies. This year, we're expecting 250 or more.

Cooperating Partners

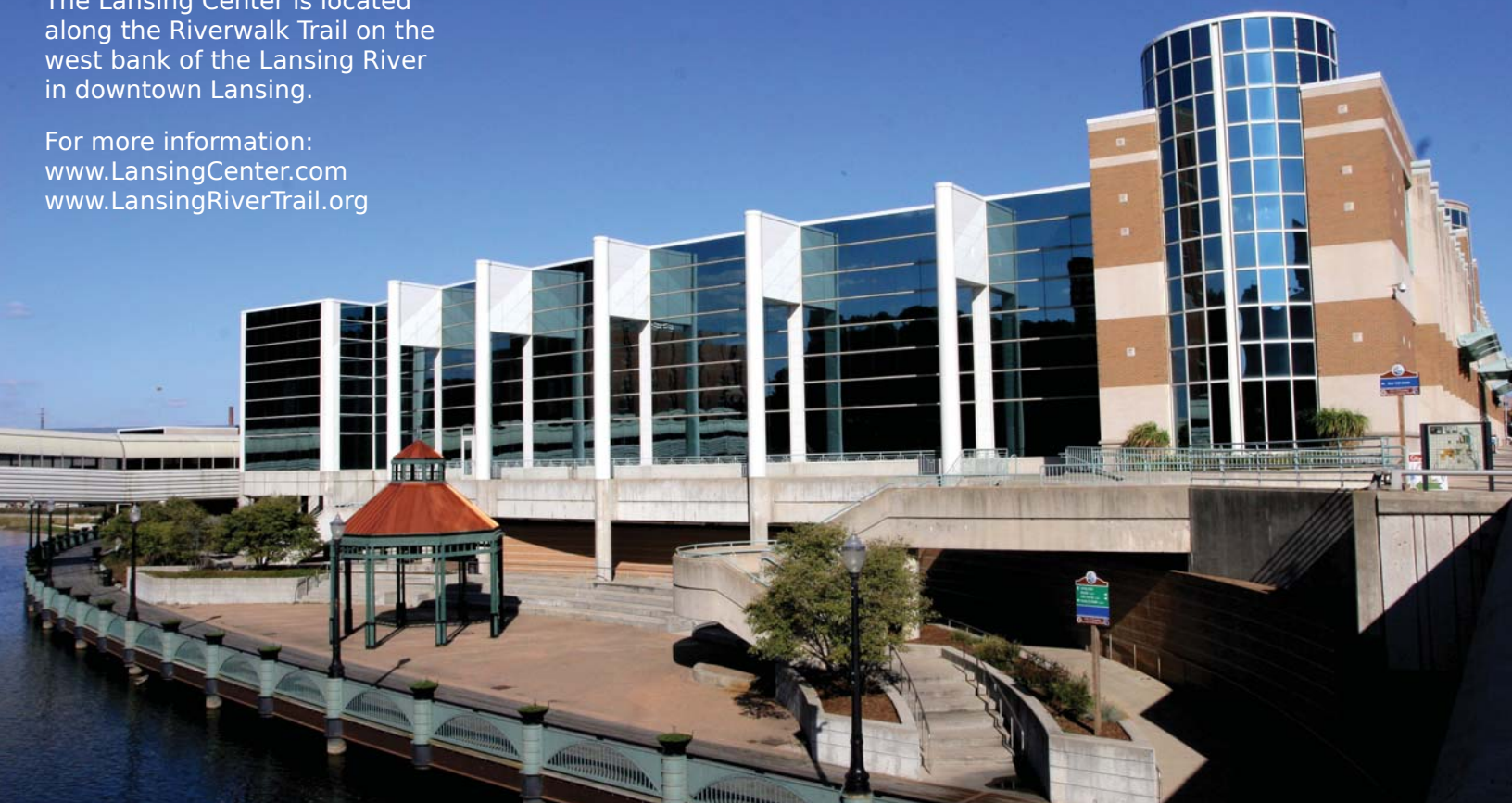


Michigan's
Local Technical
Assistance Program

Center for
Technology & Training

The Lansing Center is located along the Riverwalk Trail on the west bank of the Lansing River in downtown Lansing.

For more information:
www.LansingCenter.com
www.LansingRiverTrail.org



Dates and Location

October 16-17, 2012
Lansing Center
333 E. Michigan Ave.
Lansing, MI 48933

Cost

Public Agencies.....\$125 per attendee
Private Companies\$175 per attendee

The registration fee includes:

- All conference materials
- Meals and break refreshments listed on the agenda
- Full access to the exhibit space
- Exclusive pre-conference tour (see below)

Pre-conference Tour

All attendees are invited to a walking tour of Lansing to view and discuss the effects of winter maintenance on urban infrastructure. For more information visit www.MichiganLTAP.org/2012WinterOps.

Registration and Payment

To register for the conference, please contact the Center for Technology & Training office at (906) 487-2102 or at ctt@mtu.edu. Registration deadline is October 5.

No-shows or cancellations after October 5 will be charged the full registration fee. Substitutions will be accepted.

Hotel Accommodations

Three Lansing area hotels are offering special rates for the conference. The Radisson Hotel is connected to the Lansing Center through a skywalk. The Quality Inn and Quality Suites will both offer a free shuttle service to and from the Lansing Center on the days of the conference. When making reservations mention “Winter Operations Conference” to receive the rate listed below.

Radisson Hotel – \$99.00/night (reserve by 9/15)

111 N. Grand Avenue
Lansing, MI 48933
(517) 482-0188
(Connected to the Lansing Center with a skywalk)

Quality Inn University – \$80.00/night (reserve by 9/15)

3121 East Grand River Avenue
Lansing, MI 48912
(517) 351-6220
(2.2 miles from the Lansing Center - free shuttle)

Quality Suites – \$79.00 per night (reserve by 10/1)

901 Delta Commerce Drive
Lansing, MI 48917
(517) 886-0103
(5.5 miles from the Lansing Center - free shuttle)

Day 1, Oct. 16 – General Session

- 9:00 Conference Check-in
- 9:30 Walking Tour Departs (Check-in continues)
- 11:30 Welcome and Introductions
- 11:45 The Science and Art of Winter Maintenance in the 21st Century**
- 1:00 Feel the Burn! Using Liquids to Keep Winter Roads Clear
- 1:45 Impacts of Winter Maintenance on the Natural Environment
- 2:30 Break
- 3:00 Impacts of Winter Maintenance on the Built Environment
- 3:45 Looking Forward with a Maintenance Decision Support System
- 4:30 Where are the Trucks? City of Ann Arbor's New Automatic Vehicle Location System
- 5:15 General Session Adjourns
- 5:30 Dinner, Supplier Showcase, Door Prizes, Cash Bar
- 9:00 Adjourn for the Day

Keynote Speaker

Wilfrid Nixon, Ph.D., P.E.



Dr. Wilf Nixon is a professor of civil and environmental engineering at the University of Iowa, and is also president and co-owner of Asset Insight Technologies, LLC, a consulting company that specializes in winter maintenance.

Since the late 1980s, Dr. Nixon has conducted research for several federal and state agencies, and he has written over 100 papers and reports on his research. He has also spoken at winter maintenance events around the world, and he has provided expert witness assistance to a number of highway agencies on matters relating to winter maintenance.

Dr. Nixon's easy, light-hearted communication style enables him to take complicated, highly technical information and make it easy to understand, entertaining, and fun. You will enjoy listening to and learning from him.

Day 2, Oct. 17 – Breakout Sessions

Operator/Mechanic Track

- 7:00 Breakfast (*supplier exhibits open*)
- 8:00 Clearing Snow and Ice for Emergency Vehicles
- 8:30 Plows, Spreaders, and Custom Equipment
- 9:15 Before and after Implementing an Anti-Icing Program
- 10:00 Break (*supplier exhibits open*)
- 10:30 One Truck for all Seasons and Reasons
- 11:15 Lake Effect vs. Regular Snow
- 12:00 Removing Snow from a Busy Downtown Business District
- 12:30 Lunch (*supplier exhibits open*)
- 1:45 Looking Back, It's Easy to Laugh – Lessons Learned from Mistakes in Winter Operations
- 2:45 Preventing Damage to Roadside Assets
- 3:30 Maintaining Your Fleet Before, During, and After the Season
- 4:30 Closing Comments
- 4:45 Adjourn

Manager/Supervisor Track

- 7:00 Breakfast (*supplier exhibits open*)
- 8:00 Keeping Your Salt and Brine Safe and Secure
- 8:45 Manufacturing, Mixing, Storing, and Dispensing Brine
- 9:30 A Better Understanding of Chemical Deicing
- 10:00 Break (*supplier exhibits open*)
- 10:30 Minimizing Salt Bounce and Scatter
- 11:15 When Sharing Resources, Communication is the Key
- 12:00 Lunch (*supplier exhibits open*)
- 1:45 Michigan Department of Transportation's Statewide Operations Center
- 2:45 Double Operators' Productivity, Reduce Capital Investment, and Save 30% in Fuel Costs
- 3:30 Snow and Ice Control in Confined Spaces
- 4:30 Closing Comments
- 4:45 Adjourn

For a detailed agenda, a list of exhibitors, and other event information, see www.MichiganLTAP.org/2012WinterOps

Don't miss it!

The 2012 Michigan Winter Operations Conference will build on the success of last year's conference, where 23 expert practitioners shared their experiences in five topic areas, including:

1 – Materials

Manistee County Road Commission (MCRC) in northern lower Michigan realized significant savings by pre-wetting their salt with an agricultural by-product of sugar beet production. "We expected to use less salt, but we were surprised by the dramatic labor and fuel savings," explained Jerry Peterson, MCRC Manager.

2 – Equipment & Technology

A 2,635 gallon tanker trailer is an important part of the winter operations plan for the City of Farmington Hills, Michigan. "The tanker trailer allows us to treat more roads in less time," explained Bryan Pickworth, Farmington Hills road maintenance supervisor.

3 – Facilities

Gary Rank, facilities manager for the City of West Des Moines, Iowa, described how his agency spearheaded an effort to build a facility for sharing salt among eight municipalities in Central Iowa. The effort yielded a 40% savings over salt prices for individual agencies.

4 – Operations

Mark Cornwell, president of Sustainable Salting Solutions, LLC of Holly, Michigan, described the material application grid (MAG), that he devised to help agencies calibrate their spreaders. "Calibrating spreaders is the most cost-effective thing an agency can do to reduce deicer waste and save big money," Cornwell explained.

5 - Mobility

George Messner, equipment supervisor for the Livingston County Road Commission, described how he prepares his operators to keep roads clear and traffic moving safely all winter. Every fall, Messner arranges a winter maintenance workshop for his crew. "Getting everybody on the same page early is the key to consistent performance later on," Messner said. "The workshops help us maintain a high level of service and good mobility for everyone all winter."



To register, call **906-487-2102**. For more information, visit **www.MichiganLTAP.org/2012WinterOps**.

Planning Committee

Angela Ayers
Environmental Planner, Southeast Michigan Council of Governments (SEMCOG)

Tom Bruff
Manager, SEMCOG Transportation Planning and Policy Development

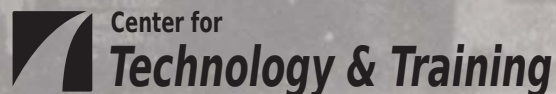
Mark Cornwell
President, Sustainable Salting Solutions, LLC

Tim Croze
Region Maintenance Support Engineer – Michigan Department of Transportation Maintenance Field Services Section

Brian Gutowski
Engineer-Manager, Emmett County Road Commission

Bryan Pickworth
Road Maintenance Supervisor, City of Farmington Hills

John Ryynanen
Training Coordinator, Center for Technology & Training



The Center for Technology & Training is part of the Michigan Tech Transportation Institute at Michigan Technological University. The CTT mission is to develop technology and software, coordinate training, and conduct research to support the agencies that manage public infrastructure. For more information, visit www.ctt.mtu.edu.