

Winter

Operations Conference



October 16-17, 2013
Gaylord, Michigan

Network with Fellow Snow fighters

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.

Build Your Program

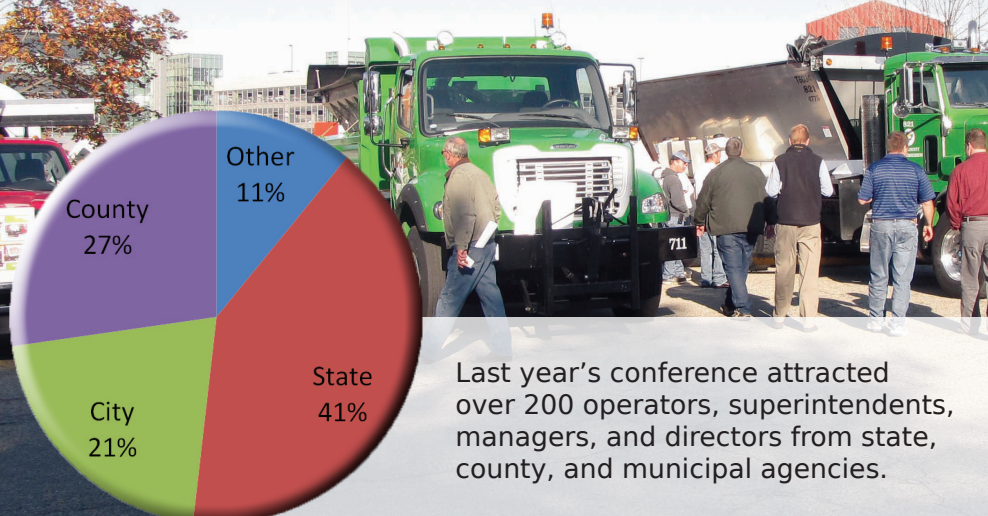
As a registered attendee, you will have full access to **25 technical presentations**, including nine presentations for operators and mechanics; nine more for managers and supervisors; and seven delivered by exhibitors on the exhibit floor.

Meet With Industry Experts

In addition to your choice of technical presentations, the 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.



**Don't miss the largest technical conference
for snow fighters in Michigan!**



Last year's conference attracted over 200 operators, superintendents, managers, and directors from state, county, and municipal agencies.

Cooperating Partners



Michigan's
Local Technical
Assistance Program





Located near the geographic center of the state of Michigan, Treetops Resort & Conference Center in Gaylord is within convenient driving distance for all road agencies in the state. Surrounded by rolling hills and towering trees, and near dozens of lakes, rivers, and trails, the Gaylord area is a great place for outdoor enthusiasts.

Date and Location

October 16-17, 2013
Treetops Resort
3962 Wilkinson Rd
Gaylord, MI 49735

Cost

Cost is \$150.00 per attendee. The registration fee includes:

- Conference handouts and other materials
- Food and refreshments for all meals and breaks listed on the agenda
- Full access to all technical sessions, exhibit space, and outdoor equipment area
- After-dinner comedy show on Oct 16

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.

Payment options include Visa, Mastercard, or mailed check.

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

Hotel Accommodations

Overnight rooms at reduced rates are available in The Lodge (\$89/night) or The Inn (\$79/night); both are within walking distance to the conference center (see photo above). Please call (855) 261-8764 for reservations. Be sure to mention "Winter Operations" to get the reduced rate.

Deadline for reserving a room is September 15. Reservations made after the deadline may be subject to resort rack rates.

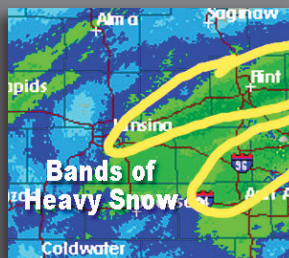
What would you like to learn about?



Materials – Agricultural bi-products for snow and ice control, minimizing salt bounce and scatter, controlling ice without chlorides, direct liquid application, high-performance salt pre-wetting agents.



Development – Training strategies and best practices, innovations from in the trenches, training program for plow drivers, transitioning from shop floor to fleet manager.



Technology – Weather forecasting, road weather information systems, environmental sensing station, maintenance decision support systems.



Equipment – Results of tow plow test, designing infrastructure for winter maintenance, refurbishing trucks, calibrating equipment, choosing the right cutting edge, snow-plowable LED lane markers.

Day 1, Oct. 16 – General Session

- 11:30 Check-in, Light Lunch, and Networking
- 12:25 Welcome and Introductions

12:30 Winter Maintenance Practices from Across the U.S. and Around the World

- 1:30 New Bounce and Scatter Results From MDOT
- 2:15 Break
- 2:30 Direct Liquid Application in Southeast Michigan
- 3:15 Adjourn to Supplier Showcase

Exhibitor Presentations

- 3:30 Several exhibitors will deliver short presentations on the exhibit floor to inform attendees about the latest products, equipment, technology, and techniques in winter maintenance.
- 6:15 Adjourn to dinner

Dinner and Entertainment

- 6:30 Winter Operations Dinner
- 7:30 Comedian Chris Barnes
- 9:00 Adjourn for the day

Mark DeVries, PWLF



With 28 years of experience at McHenry County Division of Transportation in Woodstock, Illinois, Maintenance Superintendent Mark DeVries is recognized around the world as a pioneer and expert in snow and ice control.

In the mid 1990s, Mark began to experiment with various combinations of ice control liquids. Since that time he has written several papers about his experiences, and he has spoken at countless national and regional conferences and workshops across North America. Mark has also visited the United Kingdom and Argentina to advise road agencies about road-clearing and anti-icing practices.

Over the years, Mark has earned several awards, including the American Public Works Association (APWA) Donald C. Stone Award for Excellence in Education in 2007, the APWA Top 10 Public Works Leaders of 2010, and the APWA Presidential Leadership Award of 2012. He currently serves as Chair of the APWA Winter Maintenance Subcommittee and of the APWA Excellence in Snow and Ice Control Award Committee. Mark is also a public works leadership fellow, which is a senior executive service designation that recognizes commitment to the public works profession.

Day 2, Oct. 17 – Breakout Sessions

Operator/Mechanic Track

- 7:00 Breakfast
- 8:00 Weather Forecasting for Operators
- 8:45 Proactive Snow and Ice Control Using RWIS and ESS Data
- 9:30 Innovations From in the Trenches
- 10:00 Break
- 10:15 Developing a Training Program for Plow Drivers
- 11:00 From Shop Floor to Fleet Manager
- 12:00 Lunch
- 1:00 Equipment Calibration for Operators
- 2:00 Choosing the Right Cutting Edge
- 2:30 Break
- 2:45 Tearing Down and Rebuilding an Entire Truck
- 3:30 The Future of Snow and Ice Control
- 4:15 Adjourn

Manager/Supervisor Track

- 7:00 Breakfast
- 8:00 Using RWIS and ESS Data to Optimize Winter Operations
- 8:45 FHWA Road Weather Management Initiatives
- 9:15 MDOT MDSS and Other Weather Initiatives
- 10:00 Break
- 10:30 Weather Forecasting for Managers
- 11:15 Overview of Materials Used in Snow and Ice Control
- 12:00 Lunch
- 1:00 Designing Roadway Features to Simplify Winter Maintenance
- 1:45 Non-chloride Ice Control on the Zilwaukee Bridge
- 2:30 Break
- 2:45 City of Holland Snow-melting System
- 3:30 Tow Plow Test Results From Around the State
- 4:15 Adjourn

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



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Planning Committee

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Environmental Planner, Southeast Michigan Council of Governments (SEMCOG)

Tom Bruff

Manager, SEMCOG Transportation Planning and Policy Development

Tim Croze

Region Maintenance Support Engineer, Michigan Department of Transportation Maintenance Field Services Section

John Gorney

Operations and Utilities Manager, City of Kentwood

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



Center for
Technology & Training

The Center for Technology & Training is part of the Department of Civil and Environmental Engineering 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.