TRB TRANSPORTATION RESEARCH BOARD

The National Academies of
SCIENCES • ENGINEERING • MEDICINE

CALL FOR ABSTRACTS AND
INTEREST IN ATTENDING

2016 International Conference & Workshop on Winter Maintenance and Surface Transportation Weather

February 2016 – Online Conference with On-Demand Presentations

April 2016 In-person Workshop (Colorado)

The Transportation Research Board's (TRB) Committees on Winter Maintenance (AHD65) and Surface Transportation Weather (AH010) in cooperation with the Federal Highway Administration are organizing a Joint Conference of *the Ninth International Symposium on Snow Removal and Ice Control Technology*, and *the Sixth National Conference on Surface Transportation Weather.*

Conference presentations will be posted online and an in-person workshop will follow. Presentations for accepted papers will be recorded and posted in February 2016 and available for on-demand viewing at any time for conference registrants. Viewers will be able to interact with presenters using an on-line Q&A. The in-person workshop will draw from themes developed in the papers to identify key advances since the 2012 conference, technologies that are on the horizon for near-term implementation, and key ongoing research needs. Selected papers will be considered for publication in a special issue of the Transportation Research Record.

Objective

The objectives of the International Conference on Winter Maintenance and Surface Transportation Weather are to provide a forum for the exchange of information on the state-of-the-art and state-of-the-practice in research and technology applications to improve snow removal and ice control operations with support of surface transportation weather information.

Prospective attendees include transportation and weather information managers, planners, analysts, researchers, application developers, and other practitioners from public and private agencies who are engaged in winter maintenance, or developing and implementing weather information products, technologies and services. A tentative program with information on registration and hotel accommodations will be

published in late fall 2015. As a self-sustaining activity of TRB, a registration fee will be required of all participants.

Topics

Papers are being solicited for presentation at the conference and inclusion in the conference proceedings. Papers that present case studies describing how new technologies, methods or procedures have been implemented will be seen as particularly valuable. Please consider submitting papers describing current practices, or the results of recent research and technological innovations that improve snow removal and ice control operations with an emphasis and support of surface transportation weather. The topics include but are not limited to the following:

Policy, Management and Human Resources

- Policy and management for winter maintenance and weather services
- Performance measures, Standards, and Level of Service
- Cost Benefit of Winter Maintenance Activities
- Training and certification programs

Sustainability, Resiliency and Livability

- Sustainability and livability issues
- Resilience under severe/changing weather regimes
- Environmental Impacts of winter maintenance

Operations

- Innovative equipment and materials
- Winter operations for non-highway transportation modes (bicycles, pedestrians, rail, airports, etc.)
- Winter operations on unique road geometry or in urban environments
- Large-volume snow control
- Facilities and materials management
- Sustainable winter operations best practices

Data &Technology

- Modeling and forecasting for surface transportation and weather
- Decision support systems
- Connected/Automated vehicles - vehicle based technology
- Road weather and surface condition data collection;
- Dissemination of weather, traffic and operations information

Submittal Process

Once logged into the Call for Abstracts website, please click “Create New” and submit your abstract no later than September 1, 2015, earlier submission preferred. Abstracts should be between 400 and 600 words in length total.

http://precis2.preciscentral.com/Link.aspx?ID=A989E938340BFFF5