



ITS TECHNOLOGY:  
A SNAPSHOT  
& LOOK AHEAD

20TH ANNUAL  
FALL FORUM

2014

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ITS  
MINNESOTA  
[itsmn.org](http://itsmn.org)

20 Years  
of ITS  
Minnesota

## Join us for our 20<sup>TH</sup> ANNUAL FALL FORUM

**Tuesday, October 21, 2014**

**The Continuing Education and Conference Center,  
University of Minnesota, St. Paul Campus  
1890 Buford Avenue, Saint Paul, MN 55108**

With a Follow-on ITS Minnesota Special Strategy Meeting  
(Fall Forum registrants welcome)

**Wednesday, October 22, 2014, 7:00AM** (breakfast) to noon  
Holiday Inn St. Paul (3M Area), 2201 Burns Ave., St. Paul, MN 55119

### *Engage in discussions on*

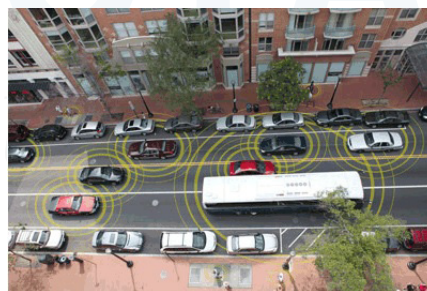
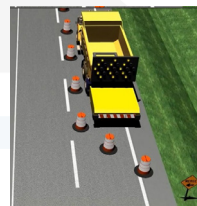
- Autonomous and Connected Vehicles
- Intelligent Work Zone
- Traffic Management Systems and Technology
- Traveler Information
- Big Data
- and more

### *Listen to speakers from*

- ITS America
- US DOT
- AASHTO
- Roadway Safety Institute
- Humphrey Institute
- MnDOT Leadership
- and more

### *And network at an end-of-day*

- Sponsors Reception





***20 Years of ITS Minnesota***

## **ITS Minnesota 2014 Fall Forum**

Tuesday, October 21, 2014

University of Minnesota,

Continuing Education and Conference center (CECC),

1890 Buford Avenue, St. Paul, MN 55108

7:00 AM to 8:00 AM **Registration and Breakfast**

8:00 AM to 8:15 AM **Welcome and ITSMN Update**

**Terry Haukom, President, ITSMN**

8:15 AM to 10:00 AM **Traffic Management Systems**

**James Sturrock, USDOT**

- I-35E MnPASS Extension
- Update on RTMC and IRIS
- Systems Engineering for the Advanced Traffic and Safety Management Systems
- City of Minneapolis TMC Upgrade
- Understanding the Potential for Video Analytics to Support Traffic Management Functions
- Truck Parking Availability System (TPAS) Study

Peter Muehlbach, PB  
Jim Kranig, MnDOT  
Dan Nelson, URS

Derek Nieveen, Iteris; Dan Elder, Brown Traffic

Linda Preisen, Athey Creek

John Tompkins, MnDOT;  
Ted Morris, UMN

10:00 AM to 10:30 AM **Break**

10:30 AM to 11:45 PM **Smart (Autonomous and Connected) Vehicles**

**Ray Starr, MnDOT**

- Connected Vehicles Regional Pilot Deployment Program
- Connected Vehicles Footprint Analysis
- Self-Driving Vehicles - Opportunities and Challenges for Minnesota
- The Roadway Safety Institute's Research Program: A Connected Vehicles Testbed on I-94

Kate Hartman, USDOT

Jim Wright, AASHTO  
Frank Douma and Adeel Lari, UMN

Max Donath, UMN

11:45 PM to 12:15 PM **Lunch**

12:15 PM to 12:45 PM **Keynote Address**

**Susan Mulvihill, MnDOT**



***20 Years of ITS Minnesota***

## **ITS Minnesota 2014 Fall Forum**

Tuesday, October 21, 2014 (continued)

University of Minnesota,

Continuing Education and Conference center (CECC),

1890 Buford Avenue, St. Paul, MN 55108

12:45 PM to 1:15 PM	<b>ITS America Update</b>	<b>Paul Feenstra, ITSA</b>
1:15 PM to 1:30 PM	<b>Break</b>	
1:30 PM to 2:15 PM	<b>Intelligent Work Zone</b> <ul style="list-style-type: none"><li>• ENTERPRISE Pooled Fund – Synthesis of Intelligent Work Zone Practices</li><li>• Summary and Review of the FHWA Work Zone ITS Implementation Guide</li><li>• Statewide Intelligent Work Zone Deployment in Iowa</li></ul>	<b>Jon Jackels, SRF</b>  Tina Roelfs, Athey Creek  Todd Foster, VerMac  Eric Johnson, Street Smart Rental
2:15 PM to 2:45 PM	<b>Break</b>	
2:45 PM to 3:15 PM	<b>Update on MnDOT ITS Development Activities</b> <ul style="list-style-type: none"><li>• ITS Innovative Idea Individual Project Overviews</li></ul>	<b>Cory Johnson, MnDOT</b>  ITS Innovative Idea Program Winners
3:15 PM to 4:00 PM	<b>Travel Time and Big Data</b> <ul style="list-style-type: none"><li>• Length-Based Vehicle Reidentification For Travel Time Measurement</li><li>• Bluetooth Re-identification on Arterials vs Freeways</li><li>• Bringing Travel Time Reliability to Planning and Design World</li></ul>	<b>Daryl Taavola, URS</b>  Rob Hranac, Iteris  Donna Nelson, Traffax Jim McCarthy, USDOT
4:00 PM	<b>Adjourn to Sponsors' Reception</b>	
4:00 PM to 5:30 PM	<b>Sponsors' Reception</b>	

**Note:** Event continues following morning (Wednesday, October 22, 2014, 7:00 AM Breakfast to 12:00 noon Adjourn, Fall Forum registrants welcome), ITSMN Board of Directors' Special Strategy Meeting with ITSA and Guidestar Executive Committee representatives at Holiday Inn St. Paul, I-94 East (3M Area), 2201 Burns Ave., St. Paul, MN 55119



## **ITS Minnesota 2014 Fall Forum**

**(Note location of 2nd day event)**

Wednesday, October 22, 2014

Holiday Inn St. Paul, I-94-East,  
2201 Burns Ave., St. Paul, MN 55119

### **ITSMN Board Of Directors Special Strategy Meeting**

**Wednesday, Oct 22**

7:00 AM to 8:00 AM **Breakfast**

8:00 AM to 8:45 AM **Consultative Session with ITS America (ITSA's Paul Feenstra attending)**

- Strengthening Relationship
- Education and Advocacy Support
- Website

8:45 AM to 9:30 AM **Consultative Session with Guidestar Executive Committee Representatives**

- Mutually beneficial strategic direction and guidance for ITSMN
- Discussion of Synergistic Marketing and Communication Concepts

9:30 AM to 10:00 AM **Break**

10:00 AM to 12:00 PM **ITSMN Strategic Discussions**

- Membership Enhancement and Member Service Enhancement
- New Director Candidates
- New Committee Objectives and leadership Candidates
- Future Annual meeting Concepts:
- Invite Neighboring States,
  - 2-day event,
  - Reception,
  - Site,
  - Content, Location,
  - Time of year
- Ways to Better Engage Local Agencies
- Enhancement Concepts for:
  - Seminars, Workshops,
  - Invitation of Prominent national and International Experts,
  - Newsletters,
  - Website

12:00 PM **Adjourn**



## 2014 Members

ADDCO	KLJ Engineering
Alliant Engineering	McLeod County
Athey Creek Consultants	Metro Transit
Bolton & Menk	Minnesota Department of Transportation
Brown Traffic	Olmsted County
Castle Rock Associates	Parsons Brinckerhoff
City of Minneapolis	Pierce Pini and Associates
City of St. Paul	SEH
Daktronics	SES America
Egan	SRF Consulting Group
FHWA-Minnesota Division	Street Smart Rental
HDR	Traffic Control Corporation
Hennepin County	University of Minnesota CTS
Iteris	URS
Kimley-Horn	WSB

***Thank you for your support of and participation in  
ITS Minnesota!***





# **2015 Membership Drive**

***Please join us...***

**It is easier than ever to renew or begin your  
2015 membership with ITS Minnesota!**

**Visit [itsmn.org](http://itsmn.org)**

**Click "Joining ITS Minnesota" to submit your  
organization's 2015 membership information  
online today**

***For more information:***

***Bernie Arseneau, HDR, ITS Minnesota Membership  
763-278-5912***

***[bernard.arseneau@hdrinc.com](mailto:bernard.arseneau@hdrinc.com)***