



SYSTEMS ENGINEERING DEVELOPMENT AND INTEGRATION PROGRAM

Western States Rural Transportation Technology Implementers Forum

The Western States Forum is not like any other meeting or conference!

What is it?

The Western States Forum is an annual event where implementers of ITS technologies have the opportunity to share technical information on best practices and field deployment experiences with fellow professionals from across the western United States. It can best be described as an engineering practitioner's conference with the goal of providing a forum for high-quality exchange of technical information that can help to support better ITS deployment in rural areas. It is a forum for dynamic discussion of practical and technical issues associated with rural ITS, to promote transferability of solutions and knowledge across the ITS community. Four to five highly interactive technical presentations, ranging in length from 1 to 2 hours each, in-depth equipment demonstrations, and numerous opportunities for networking with peers, are all part of the agenda.

The Western States Forum places high importance on the following:

Technical Content.

Presenters delve into how solutions were developed, focusing on applications that have been deployed in the field and are being used in live traffic situations. The longer presentation time ensures that this level of detail may be presented and understood.

Discussion.

Attendance is limited and extended time is allocated to facilitate and encourage detailed technical discussions.

Transparency and trust.

Presenters will discuss not only success stories, but also about failures and problems, so participants can learn about what does and doesn't work and why.

Who should attend?

ITS technology practitioners at the state and local level:

- Field engineers and maintenance staff
- Systems integration/networking engineers
- Wireless/communications technicians



Western Transportation INSTITUTE

Rural Research Matters
Innovation - Integration - Implementation

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The following list of presentations from previous forums will give you a sense of the diversity and depth of topics covered at this meeting.

2010 Presentations/Demonstrations

Passive Repeater Applications for Rural ITS Communications Systems, Caltrans District 2
A ShakeCast User's Observations on the Benefits of Situational Awareness of Seismic Risk Management, Caltrans Division of Research and Innovation (Caltrans DRI)
Automated Safety Warning Controller (ASWC) Phase 1 - Proof of Concept
Support and Asset Inventory Management of ITS Devices, Oregon Department of Transportation (ODOT)
Mobile Inspection System, Alaska Department of Transportation & Public Facilities
Field Experiments with Bluetooth Sensors, University of Washington

Previous Presentations/Demonstrations

A Tale of Two RWISs (RWIS Trials and Tribulations), Caltrans District 2
Automatic Traffic Data Collection Using Surveillance Video Cameras, STAR Lab, University of Washington; Washington State Department of Transportation (WSDOT)
Caltrans District 9 Mountain Pass Signs, Caltrans District 9
Caltrans WeatherShare System: A Look at Design, Development, and Usability, WTI
Creation of an Ethernet/IP Backbone System for Wyoming's Department of Transportation, Wyoming Department of Transportation (WyDOT)
Fiber Optic Network/Topology Design on State Highways, Caltrans District 6
Ground System Design and its Role in ITS, Caltrans District 2
Hand-Held Diagnostics Terminal, Caltrans Division of Research & Innovation (Caltrans DRI)
Idaho Traffic Management Systems (ITMS), Idaho Transportation Department (ITD)
Improving Traffic Data Collection Using Wireless Technology, Caltrans District 10
Microwave Communications for Rural ITS Applications, Caltrans District 2
Oregon DOT Traveler Information Systems, Oregon Department of Transportation (ODOT)
Redding Responder Project: Mobile Data Communication Challenges and Solutions in Remote Rural Areas, WTI
Run-Away Truck Escape Ramp: A Trucker's Safety Net, Caltrans District 6
Simple Network Contact Closure, Caltrans District 3
TMC-TMS Communications: Overview and Demonstration, WTI
Unlicensed Wireless Multipoint System in Sacramento Metro, Caltrans District 3
Washington DOT Field Tests of Wireless and Microwave Vehicle Detection Systems, Washington Department of Transportation (WSDOT)
Weather Warning Systems in Oregon and Region 5 Interstate Access Gates, Oregon Department of Transportation (ODOT)
Web-Based ITS Field Element Control, Caltrans Division of Research & Innovation (Caltrans DRI)
Weigh-In-Motion NOT DONE ON A WIM! Caltrans Traffic Operations, Caltrans Division of Research & Innovation (Caltrans DRI)

For further information please visit www.westernstatesforum.org or contact

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