



Western States

**Rural Transportation
Technology Implementers**

Forum

Call for Abstracts

June 15-17, 2010 Yreka, California

*You are cordially invited to submit an abstract for the
2010 Western States Rural Transportation Technology Implementers Forum.*

About the Forum

The Western States Rural Transportation Technology Implementers 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 practitioners from across the western United States. Forum attendees include professionals with hands-on involvement in ITS design and engineering, communications system development, systems integration, and field maintenance. The Forum consists of 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. The goal of the Forum is to provide for a high-quality exchange of technical information that can help to support better ITS deployment in rural areas.

The Western States Forum is sponsored by the Western Transportation Institute (WTI) at Montana State University and the California Department of Transportation through the COATS initiative. With WTI's sponsorship, registration and participation costs have been subsidized to make it easier for people to attend.

Topic Areas

We are looking for speakers who will give presentations or demonstrations regarding actual projects and applications (not research or proposed projects), with a highly technical level of content and transparency regarding what works and what does not. Speakers are asked to prepare PowerPoint slides to guide their presentation and are encouraged to bring system components for attendees to examine, or use live demonstrations to provide a more interactive presentation. Demonstrations should have equipment on site and be fully functional with enough documentation to clearly explain what is being shown.

We welcome presentations or demonstrations on a variety of topic areas related to ITS design and engineering in rural areas, including (but not limited to) the following:

- Design, engineering and installation of rural ITS field applications, such as warning and safety systems
- Design, installation, calibration and evaluation of roadside traffic detection equipment (loop or non-intrusive)
- Applications of microwave, radio, cellular, 802.11 WiFi and/or WiMax communications
- Custom IT application development
- Innovative applications of commercial IT applications (e.g. Google Earth™)
- Lessons learned with application and development of standards and specifications (e.g. NTCIP, DOT specifications)

*Advancing Rural Transportation
Through Research and Education*

The following is a list of presentations from previous Forums:

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

Submission Instructions

If you have a topic which you would like to present at the Forum, please e-mail the following information to leann.koon@coe.montana.edu by **Friday, January 22, 2010**:

- Presenter's Name, Title and Organizational Affiliation
- Presenter's Contact Information (mailing address, e-mail address, and telephone number)
- Presentation Title
- Abstract (150-200 words about what your presentation or demonstration would cover)

If your abstract is selected for presentation, your travel costs *to and from the Forum* will be covered. You may also submit the information by fax to Leann Koon at (406) 994-1697.

Deadlines

Once the abstract is received, it will be reviewed by the forum steering committee. If your abstract is accepted for presentation at the forum, the following deadlines have been established to ensure that there is adequate time for presentation preparation and review. Presenters are not required to submit a paper.

- **January 22, 2010:** Deadline for receipt of abstracts
- **February 5, 2010:** Notification regarding acceptance of abstracts
- **March 12, 2010:** Deadline for receipt of *first draft* of technical presentation or demonstration
- **April 23, 2010:** Deadline for receipt of *second draft* of technical presentation or demonstration
- **May 21, 2010:** Deadline for receipt of *final presentation/demonstration*
- **June 15-17, 2010:** Western States Forum



For more information, please contact Leann Koon
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or go to www.westernstatesforum.org

