19th ANNUAL

Western States
Rural Transportation Technology Implementers
Forum

June 18-20, 2024

Best Western Miner's Inn
Yreka, California

www.westernstatesforum.org

What Is It?

The Western States Rural Transportation Technology Implementers Forum is a two-day meeting where professionals involved with implementing transportation technology solutions exchange detailed technical information about how solutions are engineered and implemented. It is a time for dynamic discussion of practical and technical issues associated with rural ITS, to promote transferability of solutions and knowledge across the ITS community.

The 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. Technical presentations are planned for one to two hours each, ensuring 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 successes, but also failed and problematic deployments, 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

When and where is it?
- June 18-20, 2024
- *Best Western Miner's Inn, Yreka, California.*

Please register online:
http://tinyurl.com/2p9z6sv8
Registration deadline:
May 17th, 2024

Starting in 2006, we and many of our peers have met annually for a peer exchange event called the Western States Rural Transportation Technology Implementers Forum. The Forum has provided ITS implementers and engineers with a valuable opportunity to engage in a detailed level of discussion about some innovative ITS engineering projects designed to support the rural transportation system. We have found the Forum valuable, not only for the detailed and knowledgeable presentations, but also for the times outside of sessions where we could network with our peers from several western states.

We are pleased to announce to you that the 19th annual Western States Forum will take place June 18-20, 2024, in scenic Yreka, California, through the Western States Rural Transportation Consortium (WSRTC). We promise continued excellence in technical content along with a range of new technical topics. Due to the favorable response to demonstrations and equipment displays, we encourage attendees to bring technologies to demonstrate to their peers.

The Western States Forum is not like other meetings. You will see that we provide extended time for each presentation, allowing speakers to get into a far greater level of detail about the projects, whether it relates to equations, source code or component-level discussion - basically the nuts and bolts of how a project works. This is a technically targeted event with a cap on the number of people who attend. This has helped to create a more informal atmosphere allowing for an open exchange of ideas and a better chance to network with peers. Through WSRTC sponsorship, we have been able to make this event quite affordable. Lodging at the *Yreka Best Western Miner's Inn* is available at the state government rate and the cost of all meals will be covered. There is no registration fee.

With the networking opportunities, in-depth and relevant technical program, excellent location, low cost, and quality facilities, this will be an event you won't want to miss.

We hope you will join us June 18-20 in Yreka!

Andres Chavez, P.E.
Chief, ITS Special Projects Branch
Caltrans Division of Research, Innovation, and System Information

Jeremiah Pearce, P.E.
Chief, Office of ITS Engineering and Support
Caltrans District 2

2024 Agenda

Tuesday, June 18, 2024

4:00 - 7:00 pm Registration

5:00 - 6:30 pm No-Host Social

6:30 - 9:00 pm Dinner Reception

Wednesday, June 19, 2024

7:00 - 8:00 am Breakfast

8:00 - 8:15 am Welcome and Introductions

8:15 am - 12:00 pm Technical Presentations/Demonstrations

12:00 - 1:00 pm Lunch

1:00 - 5:00 pm Technical Presentations/Demonstrations

5:00 - 5:15 pm Comments/Evaluations

6:00 pm Evening Dinner/Social

Thursday, June 20, 2024

7:00 - 8:00 am Breakfast

8:00 am - 12:00 pm Technical Presentations/Demonstrations

12:00 - 1:00 pm Lunch, Check-Out

12:45 - 1:00 pm Concluding Remarks/Evaluations

2024 Invited Presentations/Demonstrations

- Evaluation of Starlink Satellite Broadband Communications for Caltrans ITS (AHMCT UC Davis)
- Let There Be Light (Nevada DOT)
- OSS by the Numbers - Analytics and their use on the One-Stop-Shop for Rural Traveler Information (Montana Tech)
- Streamlining ITS: Unifying Variable Speed Limits and Lane Control Across State Agencies (Southwest Research Institute)
- Utilizing Fuel Cell Technology to Power Transportation Management System Elements During Public Safety Power Shutoff Events (Caltrans, AHMCT UC Davis)
- Washington's Virtual Coordination Center (VCC) Platform (Washington State DOT)
- Wrong-Way Driver (WWD) Detection System Pilot Project Update (Utah DOT)

Previous Presentations

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

- A Tale of Two RWISs (RWIS Trials and Tribulations)
- ASWSC Phase 3: Migration of the Automated Safety Warning System Controller to the Caltrans Advanced Transportation Controller Platform
- Cellular Communications in Rural Applications
- Commercial Wholesale Web Portal 2: Providing Caltrans' Traveler Information Data to Third Party Developers
- Fiber Optic Systems in Rural Areas: Building and Leveraging Fiber Systems
- Idaho's Winter Performance Measures
- Innovative Uses of Unmanned Aerial Vehicle (UAV) Technology
- Organic vs. Purchased Data for Travel Time Predictions
- PPPoE Security on Networks Utilizing Ethernet Interfaces
- Technical Development of the Western States One Stop Shop for Rural Traveler Information
- UDOT Automated Traffic Signal Performance Measures
- UDOT's Statewide Wrong-Way Detection Project
- Washington State DOT LED Adaptive Roadway Lighting and Illumination Reform
- Weather Warning Systems in Oregon and Region 5 Interstate Access Gates

Go to www.westernstatesforum.org/PastForums/ **for a complete list of presentations from previous Forums.**

ONLINE EVENT REGISTRATION

Please register online:

http://tinyurl.com/2p9z6sv8

Registration deadline:

May 17th, 2024

- Attendance is limited. Registration will close when the maximum number is reached or on May 17th, whichever comes first. Registration after the deadline will be dependent on space and lodging availability.

- To make your **lodging reservations**, please contact the **Best Western Miner's Inn, Yreka by May 17th.**

Additional information:

Please contact Leann Koon

- Phone: (406) 994-7643
- Email: **leann.koon@montana.edu**

LODGING RESERVATIONS

Reservations:

Best Western Miner's Inn, Yreka

- Contact the Best Western Miner's Inn to make a reservation:

  - **https://bit.ly/3svJgCf**

  - Phone: (530) 842-4355

  - Address: 122 E Miner St, Yreka, CA 96097

- The group reservation name is "WSF."

- A credit card will be required to hold your room reservation and at check-in. Room charges will be made upon check-out.

- Reservations within this block must be booked and guaranteed by May 17th, 2024.

Lodging Options*

- Single bed room
  - 1 king bed
  - $90.00 plus tax/night = $104.30/night
- Double bed room
  - 2 queen beds
  - $105.00 plus tax/night = $117.42/night

*Availability of each accommodation type within the block is limited and reservations will be filled on a first come first served basis.

The lodging block is available for individual reservations to be guaranteed with a major credit card at the time of booking.

Cancellation Policy:

In the event of cancellation, each individual will be responsible for the cancellation charges for his or her own reservation (with the credit card on file). No charges will be incurred if the cancellation notice is received more than 24 hours prior to the date of check-in. If the reservation is cancelled less than 24 hours before the scheduled arrival date, the individual will be responsible for the full room charge.
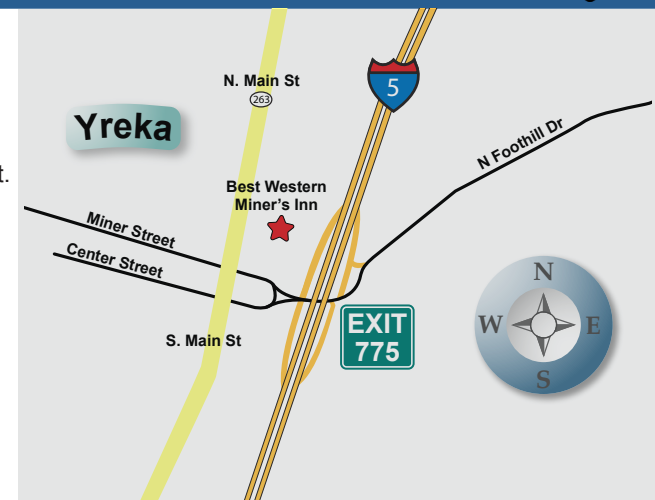
DIRECTIONS

- From Interstate 5, take exit 775 toward Central Yreka. Head west on E Miner St / Center St. Hotel is situated in between the Interstate and Main Street.

- From Interstate 5 north bound, take exit 775 toward Central Yreka. Turn left onto E Miner St and hotel will be on the right.

- From Interstate 5 south bound, take exit 775 toward Central Yreka. Turn right onto E Miner St and hotel will be on the right.

Closest Airports:

- Medford, OR: 52 miles to the north on Interstate 5

- Redding, CA: 99 miles to the south on Interstate 5

Map available online www.westernstatesforum.org