

Fresno Regional Transportation Innovations Summit 2019

Summit Agenda

October 23, 2019

7:30-8:30 am

Registration, Breakfast Buffet, Exhibitor Booths and Vehicle Displays

Please help yourself to the breakfast buffet, catered by The Painted Table and available until 9:00 am

8:30 - 8:40 am

Welcome and Introductions

Mayor Michelle Roman, City of Kingsburg

Ram Nunna, PhD, Dean, Lyles College of Engineering, California State University, Fresno

8:40 - 9:10 am

Opening Keynote Speaker

Dr. Christopher Borroni-Bird, Founder, Afreecar LLC

Dr. Borroni-Bird will present a discussion of future mobility's technical and commercial challenges – autonomy, connectivity, electrification and shared mobility; the consideration of personal, goods and public transport with city actions to improve quality of life, and rethinking mobility around needs of labor (jobs creation) and environment (materials re-use and greater use of renewable energy).

9:10 - 9:30 am

Sponsor Recognition and Break

Visit the Exhibitor Booths and Vehicle Displays

9:30 - 10:45 am

Breakout Session 1

New Technologies

This "New Tech" Breakout Session will include a diverse panel of new technology leaders from local, national and international arenas. Topics covered include "The Future of Mobility", "Autonomous Vehicles in California", "Cyber Security in the Age of Autonomous Vehicles", and "Infrastructure Management Using LiDAR".

Moderator: Dr. Ajith Weerasinghe, Associate Professor, Department of Mechanical Engineering, California State University, Fresno

Speakers:

Dr. Christopher Borroni-Bird, Founder, Afreecar LLC

Dr. Karim El-Basyouny, Associate Professor and City of Edmonton's Urban Traffic Safety Research Chair, University of Alberta

Michelle Smith, Analyst, California Department of Motor Vehicles

Dr. Shahab Tayeb, Assistant Professor, California State University Fresno

9:30 - 10:45 am

Breakout Session 1

Transit Innovations & Micro Mobility

This session will highlight new transit technologies and micro-mobility programs. Panelists will discuss the different aspects of the projects related to rural electric vehicles, and the challenges of

rural transit services. They will also present the new mobility alternatives, such as electric vehicle carsharing. The panelists will also discuss a new mobile ticketing application that provides access to an online transit trip planner and integrates with other regional transit providers and shared mobility options such as Uber and Lyft.

Moderator: Dr. Eazaz Sadeghvaziri, Postdoctoral Research Associate, Fresno State Transportation Institute, California State University, Fresno

Speakers:

Caroline Rodier, Associate Director of the Urban Land Use and Transportation Center (ULTRANS), University of California at Davis

Moses Stites, General Manager, Fresno County Rural Transit Agency

Joe Vargas, Assistant Director, Department of Transportation, City of Fresno

Rey Leon, Mayor, City of Huron

9:30 - 12:05 pm

Summit Tour 1 - Emerging Technology of Electrified Aviation

This session will bring together experts in the emerging technology of electrified aviation to discuss the current state of the technology, the needs for new infrastructure to support electric aircraft, some of the changes electric aircraft will bring to airport operations, and how the technology offers to change mobility in the San Joaquin Valley, the State, the country and the world!! A Pipistrel Alpha Electro aircraft owned by the City of Reedley will be on display while panel members discuss designs being developed, with estimates of when these aircraft will be filling the skies of California.

Moderator: Joseph Oldham, Director, CALSTART San Joaquin Valley Clean Transportation Center, President/CEO of New Vision Aviation, Inc.

Speakers:

Randal Kaufman, Sales Director, Black and Veatch

Dr. Julio Roa, Assistant Professor, California State University, Fresno

Dr. Susan Ying, Senior Vice President, Global Partnerships, AMPAIRE

10:50 - 12:05 pm

Breakout Session 2

Transportation & Public Health

Panelists will discuss public health challenges that Fresno and the rest of the San Joaquin Valley are facing, and how it may be improved linking transportation and land use. Panelists will also discuss transportation and land use solutions that have positive co-benefits to public health, accessibility, and the environment.

Moderator: Keith Bergthold, Executive Director, Fresno Metro Ministry

Speakers:

David Pomaville, Director, Fresno County Public Health Department

Tom Jordan, Senior Policy Advisor, San Joaquin Valley Air Pollution Control District

Mary Prunicki, PhD, MD, Director of Air Pollution and Health Research Sean N. Parker Center for Allergy Research at Stanford University

California's High-Speed Rail

This session will include a diverse panel of high-speed rail project stakeholders sharing and presenting the latest updates about different aspects of the project, such as operation, design, construction economics, labor, and politics.

Moderator: Dr. John Green, PE, Assistant Professor at California State University, Fresno, and Vice Chair of AREMA's Education and Training Committee

Speakers:

Robert Campbell, PE, Senior Transportation Engineer, California High-Speed Rail Authority, CP 2-3

Henry Perea, Board of Directors, California High-Speed Rail Authority

Madeline Rodriguez, MBA, PMP, Principal Commercial Consultant, DB Engineering & Consulting USA Inc.

Egon Terplan, Former Director of SPUR, and Currently Senior Advisor for Economic Development and Transportation, Governor's Office of Planning and Research

12:05 - 12:15 pm

Break, Exhibitor Booths and Vehicle Displays

12:15 pm

Luncheon is Served, Catered by The Painted Table

12:30 - 1:00 pm

Luncheon Keynote Speaker

Paul J. Van Konynenburg, Commissioner, California Transportation Commission

Commissioner Van Konynenburg was appointed to represent the San Joaquin Valley on the California Transportation Commission in August of 2017. He will share his thoughts and perspectives on California's transportation issues, speaking to attendees on state policies, plans, and programs that address the state's challenges.

1:00 - 1:20 pm

2019 Fresno Regional Transportation Innovations Summit Awards Presentation

1:30 - 2:45 pm

Breakout Session 3

Senate Bill (SB) 743

SB 743 requires Level of Service (LOS) be replaced under existing CEQA guidelines with Vehicle Miles Traveled (VMT), a metric that will promote greenhouse gas emission reduction, mixed uses and a multi-modal transportation system. SB 743 will take full effect on July 1, 2020, having profound impacts on how public agencies approve transportation and land use projects. The SB 743 panel will discuss the legislative background, implementation issues, and potential challenges.

Moderator: Kristine Cai, Deputy Director, Fresno Council of Governments

Speakers:

Chris Ganson, Senior Advisor for Transportation, Governor's Office of Planning and Research

Tony Petros, Principal, LSA

Charity Schiller, Partner, Best Best & Krieger LLP

Trends and Impact of Widespread Electrification

This session will discuss trends for adoption of electric PEV, fleet and freight, highlighting an autonomous electric truck pilot project along the I-5 corridor. The panel will also address the impacts to utility resources, California programs designed to accelerate the EV market, and the future of electrification across all modes.

Moderator: Moses Stites, General Manager, Fresno County Rural Transit Agency

Speakers:

Amanda Myers, Policy Analyst, Energy Innovations Policy and Technology LLC

Ahron Hakimi, Executive Director, Kern Council of Governments

Randal Kaufman, Sales Director, Black and Veatch

Shaun Ransom, Associate Energy Specialist, California Energy Commission

Transportation Safety

In this breakout session, speakers will present transportation safety-related issues and activities, which are aimed at reducing fatalities and injuries on roadways and provide a safer transportation system to all users. Specifically, each presentation will be looking at this issue from a different perspective, from policy, engineering, education, to research.

Moderator: Lang Yu, Associate Planner, Fresno Council of Governments

Speakers:

Srikanth Balasubramanian, Deputy Division Chief, Division of Traffic Operations, Caltrans

Jill Gormley, City Traffic Engineer, City of Fresno

Hannah Brunelle, Associate Regional Planner, Southern California Association of Governments

Dr. Samer Sarofim, Assistant Professor, Craig School of Business, California State University, Fresno

1:30 - 4:10 pm

Summit Tour 1 of 2

Bus Rapid Transit Tour

Participants on this mobile tour will learn about the bus rapid transit process in Fresno, from planning to implementation. Fresno Area Express staff will ride the bus with participants to discuss challenges, opportunities, and lessons learned throughout the process. Participants will ride the BRT and will get an opportunity to explore the stations and surrounding areas at two or three stops. Transportation is provided.

Speaker:

Jeff Long, Senior Regional Planner, Department of Transportation, City of Fresno

1:30 - 4:10 pm

Summit Tour 2 of 2

California High-Speed Rail Construction Tour

Participants on this mobile tour will be bussed out to High-Speed Rail construction sites.

Speakers:

Toni Tinoco, Public Information Officer, California High-Speed Rail Authority

Robert Campbell, PE, Senior Transportation Engineer, California High-Speed Rail Authority

2:55 - 4:10 pm

Breakout Session 4

Transportation Research at Fresno State

During this session attendees will be presented with a diverse selection of some of the most recent and innovative transportation research projects completed by Fresno State faculty in the past couple of years. Examples of these projects include Urban Planning for Green Transportation, Photogrammetry for Bridge Dynamic Deformation Monitoring, Using Recycled Concrete Aggregate for Hot Mix Asphalt, and K-12 Transportation Education.

Moderator: Dr. Harry Xia, Director of Graduate Business Programs, Craig School of Business, California State University, Fresno

Speakers:

Dr. Yushin Ahn, PE, Assistant Professor, Department of Civil and Geomatics Engineering, California State University, Fresno

Dr. Xiaojun Li, PE, Assistant Professor, Department of Civil and Geomatics Engineering, California State University, Fresno

Dr. Christian Wandeler, Associate Professor, Kremen School of Education and Human Development, California State University, Fresno

Dr. Chih-Hao Wang, Associate Professor, Department of Geography and City and Regional Planning, California State University, Fresno

The Housing-Transportation Connection

Panelists will discuss local and regional challenges to integrating transportation and land use. Examples of proven solutions to address the housing-transportation connection will be provided.

Moderator: Keith Bergthold, Executive Director, Fresno Metro Ministry

Speakers:

Dan Zack, Assistant Planning Director, City of Fresno Development and Resource Management Department

Jake Lingo, Senior Vice President, Integrated Community Development, Inc.

Tiffany Magnum, Project Manager, Fresno Housing Authority

4:20 - 5:00 pm

Closing Keynote Speaker

Egon Terplan - Senior Advisor for Economic Development and Transportation, Governor's Office of Planning and Research

Mr. Terplan will be presenting information on the State of California's plans for economic development in our region.

5:00 pm

Drawing prizes (must be present to win) & Closing Remarks

5:30 - 7:30 pm

Summit "After-Party" Mixer

Please join us for appetizers and beverages, compliments of the Summit Sponsors and catered by The Shepherd's Inn Restaurant