



The California Asphalt Pavement Association

FALL ASPHALT PAVEMENT CONFERENCE & EXPO

October 26-28, 2022

Hilton Sacramento Arden West; 2200 Harvard St., Sacramento, CA 95815-3306

WEDNESDAY, OCTOBER 26TH - DAY 1 PROGRAM

09:00 a.m. **Registration Desk & Trade Show Floor OPEN**

Continental Breakfast included

10:00 a.m. **Conference Welcome**

10:05 a.m. **Balanced Mix Design Symposium**

Randy West Ph.D., Director and Research Professor – National Center for Asphalt Technology at Auburn University

Fan Yin Ph.D., Assistant Director and Assistant Research Professor – National Center for Asphalt Technology

Pavement performance includes an in-depth understanding of how a mixture will react to the various stresses and strains resulting from traffic loading and the environment. Our friends from the National Center for Asphalt Technology at Auburn University will provide an overview of the latest mix design process that incorporates a mixture's ability to resist both deformation (rutting) and cracking. They will provide insight into the Balance Mix Design (BMD) concepts, testing requirements, procedures, and implementation strategies that agencies and the industry need to understand in moving forward.

12:00 p.m. **LUNCH**

01:30 p.m. **Balanced Mix Design Symposium (continued)**

03:00 p.m. **BREAK**

03:30 p.m. **Balanced Mix Design Symposium (continued)**

05:00 p.m. **DAY 1 PROGRAM CONCLUDES**

06:00 p.m. – **EVENING NETWORKING EVENT: Topgolf Sports & Entertainment Complex, Roseville**

09:00 p.m. **(Separate registration required)**

THURSDAY, OCTOBER 27th - DAY 2 PROGRAM

- 08:00 a.m.** **Registration Desk & Trade Show Floor OPEN**
Continental Breakfast included
- 09:00 a.m.** **Welcome**
CalAPA Leadership
- 09:05 a.m.** **Featured Speaker:**
Tony Tavares, Director – California Department of Transportation (Caltrans)
Hear from the newly appointed head of the 20,000-person department on various initiatives, his approach to partnering with the construction industry, future funding projections and other topics of interest to the asphalt pavement industry in California.
- 09:30 a.m.** **Featured Speaker: ROI and the future of partnering in the construction industry**
Sam Hassoun, President & CEO – Global Leadership Alliance
A noted expert on leadership and effective partnering between agencies and the construction industry, Sam is the founder, president & CEO of Global Leadership Alliance, which has as its mission to “eradicate arbitration and litigation from the construction industry.” He was named by ENR as one of the top 25 National Newsmakers in the Construction Industry. His highly entertaining and engaging presentation will leave you with great ideas and techniques you can put to work right away to resolve conflict and deliver outstanding outcomes.
- 10:15 a.m.** **Women of Asphalt - California**
Cathrina Barros P.E., Chief Office of Asphalt Pavements, Caltrans Pavement Program
Ashley Batson, Manager of Government Relations, Road Construction – Ingevity
The Women of Asphalt organization is quickly growing throughout the United States. Leaders from the national and state organizations provide an overview of the program and share the exciting opportunities available in California.
- 10:45 a.m.** **Federal Highway Administration Update**
Chu Wei P.E., Asset Management/Pavements Engineer – FHWA California Division
Chu Wei will share with us the current technical focus of the FHWA and the various FHWA initiatives and resources that are available for deployment in California.
- 11:15 a.m.** **The Road Forward – A Vision for Net Zero Carbon Emissions for the Asphalt Pavement Industry**
Brandon Milar, P.E., Technical Director - CalAPA
The asphalt industry recently developed a national plan to achieve net zero carbon emissions by 2050. The plan titled “The Road Forward” provides stakeholders a roadmap of steps to achieve that goal. We will explore the comprehensive plan and identify ways that all stakeholders can work together to achieve this ambitious goal.

LUNCH

- 1:30 p.m.** **Breakout Sessions**
- Compaction of Asphalt Pavements**
DingXin Cheng PhD, Director California Pavement Preservation Center (CP2)
Pavement performance requires a proper compaction of the asphalt mixture. Our partners at CCPIC will provide an overview of the importance of pavement compaction and an overview of the roles of contractors and agency representatives to maximize the performance of the pavement.
- WMA for Emission Reductions**
Ashley Batson, Manager of Government Relations, Road Construction – Ingevity
An important tool to manage GHG emissions for the asphalt industry is already used by many plant operations – Warm Mix Asphalt (WMA). The session provides a strategy to utilize WMA to meet emission reduction goals.

Long-Life Pavements in California

*Cathrina Barros P.E., Chief Office of Asphalt Pavements,
Caltrans Pavement Program*

California has utilized the Long-Life Pavement strategy for over 20 years. This session will provide background on the strategy, an overview of projects and an update on the future direction in California.

Environmental Product Declarations (EPDs)

*Jeremy Peterson-Self P.E., Office Chief
Materials Management and Independent Assurance –
Caltrans METS*

*Dominika Ercolini P.E., Chief, Statewide Materials
Support Branch – Caltrans METS*

Caltrans now requires EPD submittals for several construction materials. When will asphalt suppliers need to submit EPDs? What is included in submittals? How will Caltrans use EPDs? These questions will be addressed.

3:00 p.m.

BREAK

3:30 p.m.

Using Existing Roadway Materials for Pavement Rehabilitation

*Allen King P.E., Senior Transportation Engineer –
Caltrans*
*Frank Farshidi P.E., Division Manager – City of San Jose
Marco Estrada, Division Manager, Pavement Recycling
System*
Dennis McElroy, FMG Division Manager – Graniterock
Noted experts will share their field experiences and provide the best practices to maximize the use of on-site materials for pavement rehabilitation.

Breakout Sessions

Using New & Existing Technologies to Improve Paving Quality & Efficiency

*Todd Mansell – Product Application Specialist
Caterpillar*

Today's paving equipment features many new technologies that help to improve crew comfort, machine life, production efficiency and overall pavement quality. This breakout session will present and discuss how these new technologies and innovations can be utilized to improve efficiency and quality.

5:00 p.m.

DAY 2 PROGRAM CONCLUDES

5:15 p.m. to

EVENING RECEPTION

7:30 p.m. Beverages and hors d'oeuvres. Trade Show Floor Open / Equipment on display. Reception is free for all conference attendees, but reservations are required at registration.

FRIDAY, OCTOBER 28th - DAY 3 PROGRAM

08:00 a.m. **Registration Desk & Trade Show Floor OPEN**
Full Breakfast included

09:00 a.m. **Welcome**

09:15 a.m. **Use of Recycled Materials in Seal Coat Systems**
Doug Ford, President – Pavement Coatings

Extending the life of your pavements, and your pavement dollars, means protecting your investment. Today we also include the sustainability of the strategies that are used to preserve our pavements. This session will cover the use of RAP in slurry seals and chip seals. Understand the benefits, constructability and performance of these tools.

10:00 a.m. **BREAK**

Breakout Sessions

10:15 a.m. **Effective Pavement Program Management**
John Harvey PhD, Director – City and County Pavement Improvement Center (CCPIC)
Agencies throughout California utilize pavement management systems to monitor existing pavement condition. A successful program integrates the existing pavement condition with a toolbox of various treatments for different pavement needs. The director of the influential University of California Pavement Research Center will offer insight and best practices drawn from many years of research into effective pavement program management.

Sample Preparation

Kevin McNeil, Research & Technical Services Asphalt Products Manager – Graniterock
How does a contractor and agency reduce risk on a project? It all starts with the sample. Explore the importance of sampling materials and preparation of samples in achieving representative test results.

Caltrans Sampling and Test Methods Update

Jackie Wong P.E., Chief of the Office of Central Laboratories – Caltrans METS
Guadalupe Magana P.E., Chief, Asphalt Binder and Hot Mix Asphalt Branch- Caltrans METS
Hear the latest on Caltrans test methods, including changes to the sample preparation procedures found in CT 125 and CT306, upcoming efforts to modify existing test methods and efforts to develop new test methods. Include an overview of the Central Laboratory office and personnel (yes)

Continuous Asphalt Pavement Density Measurement

Maurice Arbelaez, Vice President of Sale and Marketing – Instrotek

This presentation will provide an overview of recent innovations developed to measure in-place pavement density, including insight into the implementation of equipment used to provide a complete density profile of the entire pavement in real-time.

11:30 a.m. **Closing Ceremonies and Raffle**
Russell W. Snyder CAE, Executive Director, CalAPA

12:00 p.m. **DAY 3 PROGRAM CONCLUDES**