

2024 CALIFORNIA TIRE CONFERENCE

DRIVING TOWARD A CIRCULAR ECONOMY

AGENDA

Holiday Inn – Sacramento Downtown Arena

Attend virtually via Zoom webinar: <https://csus.zoom.us/j/89403209205>

Webinar ID: 894 0320 9205 | Call In: +1 669 444 9171

Day 1: Wednesday, June 19

- 8:00 – 9:00 AM **Registration/Networking Breakfast and Exhibit Viewing**
California Foyer/Calveras/Balboa Ballrooms (1st Floor)
- 9:00 – 9:15 AM **Opening Remarks**
Conference Emcee: **Kyle Pogue**, Environmental Program Manager, CalRecycle
Zoe Heller, Director, CalRecycle
- 9:15 – 10:00 AM **Keynote Speaker: Sustainability and Circularity in the Tire Industry**
Olivier Brauen, Vice President, Circularity Business Solutions Development and Transformation Americas, Michelin
- 10:00 – 10:30 AM **Session 1: Update on U.S. Market Trends and USTMA Initiatives**
Moderator: **Nicholas Amante**, Manager, Financial Resources Management Branch, CalRecycle
An overview of the U.S. Scrap Tire Markets and progress on the 2023 Report and the latest in the USTMA's market development activities and initiatives. This session will also review how USTMA members are integrating the circular economy thinking into their sustainability programs.
John Sheerin, Director of End-of-Life Tire Programs, U.S. Tire Manufacturers Association
- 10:30 – 10:45 AM **Morning Refreshment Break**
- 10:45 – 12:00 PM **Session 2: Tires and the Environment**
Moderator: **Mustafe Botan**, Supervising Senior Waste Management Engineer, Tire Engineering & Environmental Research Unit, CalRecycle
The session will cover the impact of tires on the environment. DTSC staff will provide an update on DTSC's Safer Consumer Products Program's work on Emerging Chemicals in Tires. San Francisco Estuary Institute scientist will share the recent results of the Regional Monitoring Program for Water Quality in San Francisco Bay showing Bay Area stormwater contains elevated levels of contaminants relating to motor vehicle tires. Cal Poly Humboldt researcher will discuss typical amounts of 6PPD-Q released from TDA and its potential reduction when passed through soil layers.
DTSC Priority Product – Motor Vehicle Tires
Kelly Grant, Ph.D., Senior Environmental Scientist, California Department of Toxics Substances Control
Tire Particles & Chemicals - Insights from the San Francisco Bay Area
Kelly D. Moran, Ph.D., Senior Scientist, San Francisco Estuary Institute
6PPD-Q in TDA Leachate
Brad Finney, Ph.D., Emeritus Professor of Environmental Resources Engineering at California State Polytechnic University, Humboldt

2024 CALIFORNIA TIRE CONFERENCE

DRIVING TOWARD A CIRCULAR ECONOMY

Day 1 (Continued)

12:00 – 1:00 PM

Networking Lunch and Exhibit Viewing

1:00 – 2:00 PM

Session 3: Life Cycle Analysis and Environmental Product Development Programs

Moderator: **Elissa Overton**, Senior Project Coordinator, GHD

Environmental Product Declarations (EPDs) allow manufacturers to tell a product's complete sustainability story in a single, comprehensive report. This session will discuss Life Cycle Analysis (LCAs) and EPDs, their content, and how they are tied to carbon footprint and potential federal funding.

Eileen Dutton, Vice President, Products, Malarkey Roofing Company, A Division of Holcim

Amlan Mukherjee, Sustainability Director, WAP Sustainability Consulting

Richard Willis, Ph.D., Vice President, Engineering, Research, & Technology, National Asphalt Paving Association (NAPA)

2:00 – 3:00 PM

Session 4: Manifest System and Remediation Program Updates

Moderator: **Kim Sellards**, Branch Chief, Waste Evaluation and Enforcement Branch, CalRecycle

This session will provide an update about CalRecycle's current waste tire enforcement efforts as well as a transition to a more fully integrated electronic manifest system for the Waste Tire Management System database moving towards submittal options from mobile devices. Staff will also provide an overview of tire cleanup activities statewide and discuss the *Investigation of Illegal Tire Dumping Sites along the Southern California-Mexico Border* report.

Krysty Emery, Manager, Waste Tire Enforcement Section, CalRecycle

Billy Yos, Supervisor, Waste Tire Hauler Compliance Unit, CalRecycle

Steve Santa Croce, Supervisor, Solid Waste & Tire Cleanup Programs Section, CalRecycle

3:00 – 3:15 PM

Afternoon Refreshment Break

3:15 – 4:30 PM

Session 5: Tire-Derived Aggregate Research & Applications

Moderator: **Matthew Weiss**, Waste Management Engineer, Tire Engineering & Environmental Research Unit, CalRecycle

The University of California San Diego will present their recently completed CalRecycle-sponsored research on Tire-Derived Aggregate (TDA) bearing capacity and seismic mitigation. In addition, CalRecycle TDA Grant recipients will share their recent successes on TDA usage in Los Angeles Transit Metro Line Extension and the County of Santa Barbara Ortega Ridge Road project.

John McCartney, Ph.D., Professor of Geotechnical Engineering, Department of Structural Engineering, Jacobs School of Engineering, UC San Diego

Dan Goods, Contract Manager, Construction & Project Management, Metro Gold Line Foothill Extension Construction Authority

Chris Doolittle, Engineering Geologist, Public Works Department, Santa Barbara County

2024 CALIFORNIA TIRE CONFERENCE

DRIVING TOWARD A CIRCULAR ECONOMY

Day 1 (Continued)

4:30 – 5:30 PM

Session 6: California Funding Opportunities

Moderator: **Noel Davis**, Grant Manager, Grants and Payments Unit 3, CalRecycle

This session will introduce and provide resources available from CalRecycle's new Division of Circular Economy. This session will also provide information on the California Alternative Energy & Advanced Transportation Financing Authority (CAEATFA), California Governor's Office of Business and Economic Development (GO-Biz) and CalRecycle's Loan and Recycling Market Development Zone (RMDZ) programs. Also, highlights from CalRecycle's eight tire grant programs: Farm and Ranch, Local Conservation Corps (LCC), Local Government Waste Tire Amnesty, Local Government Waste Tire Cleanup, Rubberized Pavement (TRP), Tire-Derived Aggregate (TDA), Tire-Derived Product (TDP), Tire Incentive Program (TIP).

Khaim Morton, Deputy Treasurer, CAEATFA

Poonum Patel, Assistant Deputy Director, Governor's Office of Business & Economic Development

Scott Beckner, Environmental Program Manager, Business Assistance and Market Development Unit, CalRecycle

Nicholas Amante, Manager, Financial Resources Management Branch, CalRecycle

5:30 – 7:30 PM

Networking Reception

Sierra Ballroom (16th Floor)

Day 2: Thursday, June 20

8:00 – 9:00 AM

Registration/Networking Breakfast and Exhibit Viewing

California Foyer/Calveras/Balboa Ballrooms (1st Floor)

9:00 – 10:00 AM

Session 7: Trends in California Tire Recycling and Markets

Moderator/Speaker: **Joaquin Wright**, Technical Director, ENV SP, TDA Specialist, GHD

A summary of California tire recycling trends based on the latest annual Waste Tire Market Report. This session will cover historical and current activity and factors influencing each market segment, along with a description of current infrastructure.

Discussion of challenges and progress being made in the turf industry including the recycling and circularity of the turf and infill materials.

Challenges and Circularity of Synthetic Turf and Infill

Cameron St. Dennis, Strategic Recycling Manager, Tarkett Sports

Jeremy Michel, Vice President Pad Components, Tarkett Sports

10:00 – 10:15 AM

Morning Refreshment Break

2024 CALIFORNIA TIRE CONFERENCE

DRIVING TOWARD A CIRCULAR ECONOMY

Day 2 (Continued)

10:15 – 11:15 AM

Session 8: Panel - Tire Industry Drives Sustainability

Moderator: **Denise Kennedy**, President, DK Enterprises

A panel of experts will provide updates that showcase advances in utilizing post life tires in new applications offsetting raw materials with tire material and downstream recycling. A pathway to understanding the principals of sustainable process designs while leveraging policy, innovation, and economics to help transform the tire industry.

Erick Sharp, CEO, Ace Laboratories

Brendan Rodgers, Principal, ELL Technologies, LLC

Chris Robertson, Principal, Polymer Technology Services, LLC

David Parker, Chairman and CEO, New Rubber Technologies Holdings, Inc.

11:15 – 12:15 PM

Session 9: Synthetic Turf Infill and Studies

Moderator/Presenter: **Emily Wang**, Senior Environmental Scientist, Financial Resources Section A, CalRecycle

CalRecycle contracted with the Office of Environmental Health Hazard Assessment (OEHHA) for a study on synthetic turf and potential human health impacts. This session will summarize the results of the study. USEPA will summarize results from the Part 2 Exposure Characterization Study on Synthetic Turf Field Recycled Tire Crumb Rubber Research. The multi-agency research effort, known as the Federal Research Action Plan on Recycled Tire Crumb Used on Playing Fields and Playgrounds (FRAP), focused on assessing potential human exposure, which includes both what chemicals are in the material and in what amounts, and identifying the ways in which people may be exposed to those chemicals based on their activities on synthetic turf fields.

Emily Wang, Environmental Specialist, CalRecycle

Kannan Krishnan, Ph.D., Chief, Air and Site Assessment and Climate Indicators Branch, OEHHA

Annette Guiseppi-Elie, Ph.D., FAIMBE, National Program Director, Chemical Safety for Sustainability Research Program, US Environmental Protection Agency, Office of Research and Development

12:15 – 1:15 PM

Day 2: Networking Lunch and Exhibit Viewing

1:15 – 2:00 PM

Session 10: Expanding the Circular Economy through Retreading

Moderator: **David Stevens**, Director of the Tire Retread and Repair Information Bureau

This session will highlight the retread process that offers reliable sustainable solutions to fleet managers. A California retreader will share their perspective about retreading in California and the role of retreading in the expanding circular economy. One of the largest suppliers of buffings in the United States will show the pathway from retreaded buffings to the final uses.

David Stevens, Director of the Tire Retread and Repair Information Bureau

Dalene Sarret, President/CEO, Tyack Tires, Inc.

Scott Bailey, General Manager, Premier Materials, a subsidiary of Ecore International

2:00 – 2:15 PM

Afternoon Refreshment Break

2024 CALIFORNIA TIRE CONFERENCE

DRIVING TOWARD A CIRCULAR ECONOMY

Day 2 (Continued)

2:15 – 4:00 PM

Session 11: What's New in California's Rubberized Asphalt Market

Moderator: **Loreto ("Lito") Tamondong**, Waste Management Engineer, Tire Engineering & Environmental Research Unit, CalRecycle

This session will explore current trends and new methodology to increase use of crumb rubber in California paving and preservation applications. Presenters from the academia, local government, and industry will provide updates on research, technological advancements, potential market growth, and improvements in infrastructure.

Improving California Pavements with Rubberized Asphalt

Scott Dmytrow, Chief Operating Officer, Pavement Aces

Brandon Milar, P.E., Technical Director, CalAPA

Long-Term Field Performance of Rubber Modified Asphalt (RMA) Roads with Cold-in-Place Recycled (CIR) Base in San Jose

Frank Farshidi, Ph.D., P.E., Division Manager, City of San Jose

Pelletized Rubber Demonstration Project

James Signore, Ph.D., P.E., Principal, Nichols Consulting Engineers (NCE), Stanislaus County

Theron Roschen, P.E., Municipal Services Manager, Interwest Consulting Group

Use of Reclaimed Asphalt Pavement (RAP) in Rubberized Hot Mix Asphalt-Gap Graded (RHMA-G) - Pilot Projects

Angel Mateos, Ph.D., Associate Research Engineer, University of California, Davis, UC Pavement Research Center (UCPRC)

4:00 – 4:15 PM

Conference Wrap-Up

Conference Emcee: **Kyle Pogue**, Environmental Program Manager, CalRecycle