



WEST COAST SECTION ANNUAL CONFERENCE

THE NEXUS BETWEEN HYDROGEN, ENERGY,
WASTE MANAGEMENT, & TRANSPORTATION IN MEETING
AIR QUALITY & CLIMATE CHANGE GOALS

THURSDAY, OCTOBER 20, 2022

VIRTUAL | GO TO WEBINAR

8 AM - 5:00 PM

SPONSORED BY



Los Angeles
Department of
Water & Power



ABOUT THE CONFERENCE

The Air & Waste Management Association's West Coast Section will be hosting a full day virtual conference on Thursday, October 20, 2022 via GO TO WEBINAR.

Speakers from South Coast AQMD, CARB, a law firm, and consultants will give presentations on regulatory developments affecting industries in the region. Another session will focus on efforts to decarbonize energy generation with the use of hydrogen, including looking at emissions, emissions controls, and a hydrogen infrastructure project. Clean energy programs at ports and waste management challenges related biosolids reduction and waste to energy programs will also be covered.

TARGET AUDIENCE

This conference is aimed for a wide audience, including representatives of industry, power plants, and refineries, as well as scientists, engineers, policy makers, regulators, consultants, technology vendors, environmental advocacy groups, students and educators interested in learning more about air quality and regulations.

CONFERENCE ORGANIZING COMMITTEE

Technical Program Committee

- Krishna Nand, Ph.D., QEP, Env. Mgmt. Professionals
- Sara J. Head, QEP, Yorke Engineering, LLC
- Bernadette Shahin, Teledyne API
- Karin Fickerson, QEP, SoCalGas
- Bhaskar Chandan, P.E., QEP, South Coast AQMD
- Sam Wang, South Coast AQMD
- Simin Mehrabani, Ph.D., South Coast AQMD
- Jiachen Zhang, Ph.D., CARB
- Jeremy Horne, Ph.D., Ramboll

Registration/Exhibit/Sponsor Coordinator

Bhaskar Chandan, South Coast AQMD, bchandana@aqmd.gov
Sam Wang, South Coast AQMD, swang1@aqmd.gov



ABOUT A&WMA

A&WMA is a nonprofit, nonpartisan professional organization that provides training, information, and networking opportunities to over 5,000 environmental professionals in 65 countries.

The West Coast Section consists of eight professional chapters and student chapters.

BECOME AN A&WMA MEMBER

The West Coast Section and its chapters hold regular dinner/luncheon meetings featuring guest speakers on a variety of professional topics. For more information on joining A&WMA, contact: Tingting Jiang at tjiang@geosyntec.com or visit www.wcsawma.org.

Virtual Conference Coordinator

Jiachen Zhang, Ph.D., CARB, jiachen.zhang.usc@gmail.com

Young Professionals Committee Chair

Tingting Jiang, Geosyntec, tjiang@geosyntec.com

West Coast Section Officers

CHAIR: Bernadette Shahin, Teledyne API

VICE CHAIR: James Westbrook, BlueScape Env.

PAST-CHAIR: Bhaskar Chandan, South Coast AQMD

TREASURER: Sam Wang, South Coast AQMD



CONFERENCE PROGRAM - October 20, 2022

CONFERENCE COST

Registration fee for virtual conference.

Attendee Type	Member	Non Member
Regular	\$ 20	\$ 30
Student	FREE	FREE
Sponsor	Conference Sponsor Includes 10 free registrations	\$2,000
	Platinum Includes 8 free registrations	\$1,500
	Gold Includes 6 free registrations	\$1,000
	Silver Includes 4 free registrations	\$500
	Bronze Includes 2 free registrations	\$200

▶ If you would like to become a bronze, silver, gold, platinum or conference sponsor, please visit the registration link below, or contact Bhaskar Chandan at bchandan@aqmd.gov or (909) 396-3902.

REGISTRATION

Register Online & Pay-by-Credit Card
Please use the following link to register:

<https://register.gotowebinar.com/register/5016883966937325583>



PRESENTATION	SPEAKER	TIME
Login and Systems Check		8:00am - 8:05am
Welcome to 2022 Annual Conference - WCS A&WMA Chair	Bernadette Shahin, Teledyne API	8:05am - 8:15am
A&WMA 2023 Challenges & Highlights by A&WMA President-Elect	Jordan M. Haywood, Siemens Energy	8:15am - 8:30am
Keynote: South Coast AQMD Technology Advancement Updates	Dr. Aaron Katzenstein, South Coast AQMD	8:30am - 8:50am
Session 1: Regulatory Updates - Moderator: Bhaskar Chandan, South Coast AQMD		8:50am - 9:50am
Top Takeaways for Clean Energy and Climate Policy From New US and California Legislation	Marc Campopiano, Latham & Watkins	8:50am - 9:20am
South Coast AQMD RECLAIM and NSR Program Update	Isabelle Shine, South Coast AQMD	9:20am - 9:50am
Morning Break		9:50am - 10:05am
Session 2: Hydrogen for Power Generation and Emissions Control - Moderator: Dr. Krishna Nand, Env. Mgmt. Prof.		10:05am - 12:05pm
Green Hydrogen for Power Generation - Challenges in the LA Basin	Aaron Guthrey, LADWP	10:05am - 10:25am
Recent Advancements in Mitsubishi Gas Turbines firing Hydrogen for Power Generation	Peter J. Sawicki, Mitsubishi Power Americas, Inc.	10:25am - 10:45am
Indirect Pollutant Emissions from Hydrogen—Hydrocarbon Fuel Blends	Christopher Douglas, LadHyX, École Polytechnique, France	10:45am - 11:05am
Hydrogen Blending Testing Program in Power Plants	Greg Wolffe, Yorke Engineering, LLC	11:05am - 11:25am
SCR Systems for Hydrogen Co-fired Gas Turbines, including Ammonia Slip	Craig Sharp, Umicore	11:25am - 11:45am
Hydrogen Opportunities in Southern California	Paul Lin, SoCalGas	11:45am - 12:05 pm
Lunch & Young Professional Networking Event		12:05pm - 1:05pm
Session 3: Clean Fuels, Transportation, and Reporting Programs - Moderator: Dr. Jiachen Zhang, CARB		1:05pm - 2:25pm
Zero Emission Truck Regulations in California	Tony Brasil, CARB	1:05pm - 1:25pm
Navigating the Compliance Requirements in SCAQMD's Warehouse Indirect Source Rule	Dr. Lakshmi Jayaram, Ramboll	1:25pm - 1:45pm
Port of Los Angeles Technology Advancement Program: Hydrogen in Heavy-duty and Marine Transportation	Jacob Goldberg, Port of Los Angeles	1:45pm - 2:05pm
Criteria Pollutant and Toxics Emissions Reporting (CTR) Program	John Swanson, CARB	2:05pm - 2:25pm
Afternoon Break 1		2:25pm - 2:40pm
Session 4: Waste Management - Moderator: Dr. Simin Mehrabani, South Coast AQMD		2:40pm - 4:20pm
Air Permitting for New Technology Biosolids Reduction Projects	Joe Hower, Ramboll	2:40pm - 3:00pm
Organic Waste Diversion Policy Challenges	Kawsar Vazifdar, Los Angeles County Public Works	3:00pm - 3:20pm
Recovering Organics from MSW and Converting to Renewable Energy and Fertilizer Using Anaerobic Digestion	Shayne Petkiewicz, Anaergia	3:20pm - 3:40pm
Turning Organic Waste to Electricity	Thomas Gratz, Hitachi Zosen Inova U.S.A.	3:40pm - 4:00pm
Food Waste Recycling and Renewable Fuels at the Sanitation Districts	Tom C. Fang, Los Angeles County Sanitation Districts	4:00pm - 4:20pm
Closing by WCS Vice-Chair	James Westbrook, BlueScape Env.	4:20pm - 4:30pm

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