



Day 1 – May 8 2024

Time	Format	Speaker(s), Organisation	Session/ Title
REGULATORY AND MARKET OUTLOOK			
08:50-09:00	Welcome	Nick Molden, EMISSIONS ANALYTICS	
09:00-09:30	Presentation	William H. Robertson, Ph.D Vehicle Program Specialist Mobile Source Control Division CALIFORNIA AIR RESOURCES BOARD	Regulatory update
09:30-10:00	Presentation	Beth Hinchee Director Emissions Global Regulatory Affairs CATERPILLAR INC.	Global emissions regulatory update
10:00-10:30	Presentation	Danan Dou, Ph.D Chief Technologist (Power Systems) JOHN DEERE POWER SYSTEMS	Contribution and Impact of Offroad Machines
10:30-11:00	NETWORKING BREAK		
FUTURE OF OFF HIGHWAY POWERTRAIN			
11:00-11:30	Presentation	Aaron Engels, Engineering Manager YANMAR	Off-highway solutions for Tier 5
11:30-12:00	Presentation	Alex Woodrow, Managing Director KGP	Off-highway market and alternative fuels – resetting expectations
12:30 – 13:00	Panel	<ul style="list-style-type: none"> • William H. Robertson, CARB • Chamila Tissera, Director Emissions and Regulatory Compliance, DEUTZ • Graham Conway, SwRI • Alex Woodrow, KGP Moderator: Nick Molden, Emissions Analytics	Challenges of current and future regulations. Spreading focus and risk across multiple powertrain paths
13:00-14:15	LUNCH		
COMBUSTION POWERTRAIN TECHNOLOGIES			



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14:15-14:45	Presentation	Ernst Wiens, Director, Engineering & Product Development DEUTZ	H2 for Off-Highway Applications
14:45-15:15	Presentation	Toni Kinnunen, Director PROVENTIA OY	Innovative Emission Strategies for Future Off-highway Machinery – A Practical Outlook
15:15-15:45	Presentation	Dinesh Kumar Ayyaswamy Application Program Manager DINEX	Tier 5 ATS: a holistic approach to tackle the Tier 5 challenge
15:45-16:15	NETWORKING BREAK		
	BIG PICTURE		
16:15-16:45	Presentation	Dr. Tom Durbin Research Engineer UNIVERSITY OF CALIFORNIA RIVERSIDE	Evaluation of the activity patterns of agricultural and construction off-highway equipment
16:45-17:15	Presentation	Thomas Leone Principal Engineer - Low Carbon Technologies SOUTHWEST RESEARCH INSTITUTE	GHG and Criteria Life-Cycle Emissions for Off-Road Applications
17:15-17:45	Presentation	Wiktor Dotter CEO ZEBEYOND	Optimizing propulsion decarbonization strategies: A comprehensive approach to selecting the right propulsion approach considering factors such as; LCA, durability, TCO and legislation
17:45-19:15	COCKTAIL RECEPTION		

Day 2 – May 9 2024

Time	HYDROGEN		
09:00-09:10	Welcome	Nick Molden, Founder & CEO EMISSIONS ANALYTICS	
09:10-09:40	Presentation	Salim Rahemtulla, CEO, PowerTap Hydrogen Fueling Corp	Revolutionizing Off-Highway Sustainability: Innovative Hydrogen Refueling Solution for



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		Chairman, Mobility Initiatives Committee California Hydrogen Business Council	Decarbonizing Heavy Machinery
09:40-10:10	Presentation	Ashish Joshi, Senior Business Development Manager CONVERGENT SCIENCE	Improving Off-Highway Powertrain Systems Using CFD
10:10-10:40	NETWORKING BREAK		
	RENEWABLE FUELS		
10:40-11:10	Presentation	Matt Leuck Technical Manager NESTE	The potential of the renewable diesel (HVO) in off-highway machinery
11:10-11:40	Presentation	Dr Konstantin Weller Team leader HDV/Research Area Emissions FVT mbh	Relevance of eFuels in the decarbonisation of construction machines
11:40-12:10	Presentation	Nick Molden Founder & CEO EMISSIONS ANALYTICS	Real-world emissions and fuel consumption performance of regulated and nonregulated pollutants
12:10-13:30	LUNCH		
13:30	Conference close		