

CALIFORNIA HYDROGEN CONVENTION 2024 - TECHNICAL THEATER

Day 1: Wednesday, May 29, 2024

8:00 AM			REGISTRATION OPENS	
	Production, Transmission, and Distribution		Storage, Utilization, and Sustainability	
	Session Chair: Kim Domptail (afternoon)		Session Chair: TBC	
	Theater 1		Theater 2	
10:30 AM	Solar PV Hydrogen Development, Design, and Optimization Patrick Goodman, Fluor		Cradle to Grave: The impact of automation on your hydrogen asset Seth Harris, Emerson	
11:00 AM	Distributed Production of Low Cost Carbon Negative Hydrogen (from biomass) Dr. Robert T. Do, SGH2 Energy Global Corporation		Compact and efficient energy storage based on Iron oxide and Hydrogen to overcome the World's Energy Challenges Matthias Rudloff, AMBARtec AG	
11:30 AM	Insights from Dynamic Simulations: Controllability and Safety Analysis of Green Hydrogen Production Systems Rodolfo Tellez-Schmill, KBC Advanced Technologies		The Role of Hydrogen in Long-Duration Energy Storage to Address Grid Constraint And Rising Electricity Costs Alex Ivanenko, HyWatts	
12:00 PM			LUNCH BREAK	
1:00 PM	Negative carbon-intensity hydrogen or steam production using biomass or waste fuels in an innovative chemical looping and oxygen combustion process Brian Higgins, Babcock & Wilcox		Enabling the low-cost hydrogen future with today's infrastructure Eliot Anise-Hicks, Oberon Fuels	
1:30 PM	Advancing Predictive Health Monitoring: High-Accuracy Cell Voltage Measurement as a Key Enabler Umer Farooq, Siemens		Advancing the Hydrogen Economy: The Technical Superiority of Pre-Combustion Carbon Capture for Industrial Decarbonization and Urgent Hydrogen Utilization Mack Hopen, Modern Hydrogen	
2:00 PM	Hydrogen Refueling Components Cesar Salazar, WEH Technologies Inc		Enabling durable hydrogen trucking and cheap green hydrogen production Gary Ong, Celadyne Technologies	
2:30 PM	California Dreaming: AI-Enabled Learnings from Early Demonstration Hydrogen Fueling Stations Alison Hawkins, Air Products		Techno-economic analysis of natural and stimulated geologic hydrogen Yashee Mathur, Stanford University	
3:00 PM	Scaling Hydrogen Liquefiers and Machinery Louis Mann, Atlas Copco Gas and Process		Field experience with measuring hydrogen using ultrasonic flowmeters Joe Incontri, KROHNE New Technologies	
3:30 PM	Hydrogen from Hydrogen Sulfide and Water in Los Angeles County Ryan Gillis, Thiozen Inc		Technical and Economic Feasibility of Storing Hydrogen in Salt Caverns Jai Duhan, RESPEC	
4:00 PM			DAY 1 OF TECHNICAL PROGRAM - CONCLUDES FOR THE DAY	

3 - 5:00 PM

NETWORKING RECEPTION ON THE EXHIBITION FLOOR

CALIFORNIA HYDROGEN CONVENTION 2024 - TECHNICAL THEATER

Day 2: Thursday, May 30, 2024

8:00 AM			REGISTRATION OPENS	
	Production, Transmission, and Distribution		Storage, Utilization, and Sustainability	
	Session Chair: TBC		Session Chair: TBC	
	Theater 1		Theater 2	
10:30 AM	Techno-economic evaluation of a High Temperature Gas-cooled nuclear Reactor for hydrogen production Jacobus Swanepoel, Xenergy LLC		Marking Progress in The Decade of Hydrogen Patrick Goodman, Fluor	
11:00 AM	Creating Carbon Negative Hydrogen Joshua Stolaroff, Mote		Accelerating Decarbonization using an Integrated Engineering approach for Digital Design of Green Hydrogen and CCUS systems Simon Leyland, Siemens	
11:30 AM	A Novel Approach to Powering Green Hydrogen Production: DC-DC Converter Technology Alex Comeau, Dynapower		Leveraging Computational Models to Support the Strategic Decision-Making With the Development of Hydrogen Infrastructure Grant Aguinaldo, Envera Consulting	
12:00 PM			LUNCH BREAK	
1:00 PM	Golu-H2: Modular On-Site Off-Grid Carbon-Negative Renewable Hydrogen from Ethanol Jag Singh, Golu Hydrogen Technologies Inc.		Methane Pyrolysis: Pioneering Sustainable Business Models in the Hydrogen Economy Mack Hopen, Modern Hydrogen	
1:30 PM	Understanding Geologic Hydrogen Production from First Principles Victor Awosiji, Stanford University		Carbon Accounting Solutions for a Sustainable Hydrogen Future Barron Effenberger, Caltrol	
2:00 PM	A New Wave in Hydrogen Production Colin Copeland, New Wave Hydrogen Inc		Hydrogen Production Water Management: Understanding the Challenges Adam Leece, Integrated Sustainability	
2:30 PM			DAY 2 OF TECHNICAL PROGRAM - CONCLUDES FOR THE DAY	