

CONFERENCES AT A GLANCE DAY 1



June 26-27 2024
NRG Center, Houston,
Texas, USA

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DAY 1 > 26 JUNE 2024

Carbon Capture, Utilization, Storage & Blue Hydrogen	NEW TRACK FOR 2024 Strategic Forum	Hydrogen Production, Storage, and Infrastructure Development	Fuel Cell Technology	Low-Carbon Fuels and Propulsion
Chair Welcoming Remarks: Opening Plenaries and Carbon Capture Technologies	Chair Welcoming Remarks and Opening Plenaries	Chair Welcoming Remarks: Low Carbon Hydrogen Production	Chair Welcoming Remarks: Fuel Cells for Heavy Duty Applications	Chair Welcoming Remarks: Opening Plenaries and Hydrogen Fuels for Heavy Duty Transport
CaptureMap: Market Developments for the CCUS industry	In conversation with Greg Matlock: BIL and IRA- where are we now?	Decarbonizing Hydrogen Production with Biofuels Chemical Looping	Recent Innovations in Electrolyzer & Fuel Cell Technology	Enabling Project Economics With the Use of Carbon Capture
A Path to Carbon-Neutrality Accelerates Today	Carbon Capture Strategies: A US and Global Perspective	Hydrogen as a Pathway to a Sustainable Future	Deploying Fuel Cell Electric Vehicles	Building a Bridge to Hydrogen
Advancing CCUS Technologies to Scale the Industry	Prioritizing a Just Transition for the Hydrogen Hubs (H2Hubs) Program	Hydrogen Horizons	Model-based Approach for Optimization of Propulsion System of a Heavy-Duty Class 8 Fuel Cell Electric Vehicle	Hydrogen Embrittlement
Lessons Learned from the Mikawa Post Combustion Capture Pilot Plant	Hydrogen Project Financing Masterclass	Electrolyzer Economics Unveiled: Navigating the Cost Landscape for Successful Green Hydrogen Implementation	Durable and Efficient Air Management System for HD Fuel Cell Applications	Hydrogen Injection Systems for Internal Combustion Engines
Direct Air Capture: Making It Happen	Public and Private Partnerships to Accelerate Hydrogen Financing	Responsible Manufacturing of PEM Membranes to Advance the Hydrogen Economy	Panel Discussion: Comparison of Fuel Cells & ICE Powertrains in Heavy-Duty Mobility	Novel High Density Hydrogen for Heavy Transport
Meeting the Needs of Every Emitter – CCUS Solutions for Today & Tomorrow	Leadership Roundtable- Net zero targets and leading the energy transition	New Electrolyzer Paradigms: What's hype and what's worth watching?		Panel Discussion: Scaling Up Hydrogen Production for Heavy-Duty Mobility in the US: A Strategic Imperative
Considerations for Combined Cycle Generation with Carbon Capture				
Panel Discussion: Biotechnology in Carbon Capture				

LUNCH & NETWORKING OPPORTUNITIES

Chair Welcoming Remarks: Carbon Transport and Infrastructure	Chairman Welcoming Remarks: Carbon Capture Project Finance	Chairman Welcoming Remarks: The Hydrogen Value Chain	Chairman Welcoming Remarks: Fuel Cells for Aviation and Marine	Chairman Welcoming Remarks: Low-Carbon Aviation
CO2 Transport Pipeline Best Practices for Carbon Management Business	Investing in Tomorrow	The Hydrogen Value Chain: Opportunities, Challenges, and Potential Solutions	Cryogenic Cooling of Hydrogen based Aircraft Propulsion System	Dual Hydrogen-Jet Fuel Medium Range Aircraft-a path to zero emissions
CO2 Compression Technologies and Recent Improvements on Integrally Geared Compressors for CO2 applications	Development of an Advanced Cost Estimation Tool for Carbon Capture, Utilization, and Storage Projects	Accelerating Scale Up of the Hydrogen Economy with Systems-Level Strategic Evaluation	Challenges and Solutions when introducing Hydrogen as a Fuel for the Maritime Sector	CO2 Utilization for eFuels
High Efficiency Cooling Systems for Carbon Capture, Transportation and Storage	Leadership Roundtable: Surviving Beyond Subsidy: Building a CCS Business Model That Lasts	Latest Developments and Experiences in Certifying Hydrogen Readiness of Power Plants and Other Existing Infrastructure	Panel Discussion- Hydrogen as the Energy Nexus: Combining ZEV Fueling and Grid Support	Panel Discussion- The Role of SAFs in Green Aviation
Control Valve Challenges and Solutions in CCUS Applications		Panel Discussion- Ports as a Gateway to Market Lift-off for Hydrogen and it's Derivatives		
Panel Discussion - Retrofitting Existing Infrastructure for Carbon Transport				


CONFERENCES AT A GLANCE DAY 2



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DAY 2 > 27 JUNE 2024

Carbon Capture, Utilization, Storage & Blue Hydrogen	 Strategic Forum	Hydrogen Production, Storage, and Infrastructure Development	Fuel Cell Technology	Low-Carbon Fuels and Propulsion
Chair Welcoming Remarks: First of a Kind Projects	Chair Welcoming Remarks: Energy Security and the Global Hydrogen Market	Chair Welcoming Remarks: Hydrogen Infrastructure	Chair Welcoming Remarks: Fuel Cell Development and Manufacturing	Chair Welcoming Remarks: Marine and Stationary Applications
Beneficial Early Adopters of Carbon Capture	Scaling Technologies for the Future	Oxygen Utilization from Electrolysis Plants: Use Cases and Viability	1Hz - Think Big, Start Small - How to Ramp up Fuel Cell and Electrolyser Production	A net-zero approach to CO2 emissions – CCU & PtX
Learnings from the Delivery of FOAK CCUS FEED Projects	Site Selection Considerations for the Hydrogen Industry	Efficient Electrolysis Waste Heat recovery for Water Purification	In-line Inspection for Fuel Cell and Electrolysis Production	Panel Discussion: eFuels- Exploring the potential of eFuels in marine and shipping
BioEnergy with Carbon Capture - Unlocking the value of additional revenue streams	Securing Your Hydrogen Future: Safeguarding Assets, Protecting People & Ensuring Compliance	Balanced Approach of Materials Selection for Hydrogen Services	Development of advanced sintering technology for industrial applications at Idaho National Laboratory	Live Demonstration of an Agile No-Cost Screening Tool for the Feasibility of Hydrogen-Fueled District Energy Systems
Utilizing Carbon for Enhanced Oil Recovery	Green & Low-Carbon Hydrogen in the US: focus on certification & transparency for global market access	Polyimide for Hydrogen Wear and Sealing Applications	Production Technology for Bipolar Plates of Fuel Cells and Electrolyzers – Anything but Simple	Hydrogen Powered Gas Turbines
An Offshore Contractor in CCS - Noble Corp's Initial Lessons from the Greensand Project and Other Initiatives	Panel Discussion- Hydrogen Markets Outside of the US	THERA™ SEAL: the next gen sealing solution for high pressure gaseous hydrogen storage	Advancements in Gas Diffusion Layers Designs for Next Generation High Performance Fuel Cells	An evaluation of hydrogen fuel use and handling for industrial stationary equipment
Panel Discussion- The Latest Developments in Monitoring, Reporting and Verification		Run-time Optimized Compressors for LH2, Green Ammonia and Pipeline Processes	Panel Discussion- Powering the Hydrogen Future: fuel cells for remote and back-up power systems	
		Panel Discussion- Hydrogen Safety for Storage and Transportation		

LUNCH & NETWORKING OPPORTUNITIES

Chair Welcoming Remarks: Blue Hydrogen	Chairman Welcoming Remarks: Thought Leadership and the Future of Carbon Markets	Chair Welcoming Remarks: Pilot Projects and Novel Hydrogen Production Methods	Chair Welcoming Remarks: Fuel Cell Optimization	Chair Welcoming Remarks
Technologies of Choice for Mega Scale production of Low Carbon Energy Vectors	Assessment of Climate Change Mitigation Strategies	The Economics of Small-Scale Hydrogen Pilot Projects: Challenges and Lessons Learned	In-situ poisoning: an advanced method for the determination of the impact of organic/inorganic substances on PEM Fuel Cell membranes	Panel Discussion: eFuel Production Outside of the US
Low Carbon Hydrogen Technology optimization – moving projects forward to achieve Net Zero targets	Panel Discussion: Regulation of CO2 Storage in North America: Managing Risk and Ensuring Compliance with Permits and Licenses	Carbon-Negative Hydrogen Production	Optimization of Power Output of PEM Fuel Cells in Terms of Temperature and Humidity of Operation	Beyond Hydrogen: Striving for a Low Carbon Future through Ammonia and E-Methane
Panel Discussion- A pathway to blue: pioneer's experience in applying today's evolving standards to an existing facility's low carbon products	Panel Discussion- The Role of Voluntary Carbon Markets in Net Zero	Decentralizing Hydrogen: Innovations and Impacts in a Global Context	The New Frontier of Fuel Cell Filtration and Separation	E-Methanol: A Convenient Liquid Hydrogen Carrier and a Carbon-neutral Drop-in Fuel to replace Gasoline, Diesel and Marine Bunker Oil
		Panel Discussion: Digital Technologies	Panel Discussion: Using Simulations to Improve Fuel Cell Efficiency and Durability	Panel Discussion: Hydrogen Derivatives