

# CONFERENCES AT A GLANCE DAY 1



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

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## DAY 1 > 26 JUNE 2024

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

## LUNCH & NETWORKING OPPORTUNITIES

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

# CONFERENCES AT A GLANCE DAY 2



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DAY 2 > 27 JUNE 2024				
<b>Strategic Forum</b>	<b>Hydrogen Production, Storage, and Infrastructure Development</b>	<b>Fuel Cell Technology</b>	<b>Low-Carbon Fuels and Propulsion</b>	<b>Carbon Capture, Utilization, Storage &amp; Blue Hydrogen</b>
<b>Chair Welcoming Remarks: Energy Security and the Global Hydrogen Market</b>	<b>Chair Welcoming Remarks: Hydrogen Infrastructure</b>	<b>Chair Welcoming Remarks: Fuel Cell Development and Manufacturing</b>	<b>Chair Welcoming Remarks: Marine and Stationary Applications</b>	<b>Chair Welcoming Remarks: First of a Kind Projects</b>
<b>Scaling Technologies for the Future</b>	<b>Oxygen Utilization from Electrolysis Plants: Use Cases and Viability</b>	<b>1Hz - Think Big, Start Small - How to Ramp up Fuel Cell and Electrolyser Production</b>	<b>A net-zero approach to CO2 emissions – CCU &amp; PtX</b>	<b>Beneficial Early Adopters of Carbon Capture</b>
<b>Site Selection Considerations for the Hydrogen Industry</b>	<b>Efficient Electrolysis Waste Heat recovery for Water Purification</b>	<b>In-line Inspection for Fuel Cell and Electrolysis Production</b>	<b>Panel Discussion: eFuels- Exploring the potential of eFuels in marine and shipping</b>	<b>Learnings from the Delivery of FOAK CCUS FEED Projects</b>
<b>Securing Your Hydrogen Future: Safeguarding Assets, Protecting People &amp; Ensuring Compliance</b>	<b>Balanced Approach of Materials Selection for Hydrogen Services</b>	<b>Development of advanced sintering technology for industrial applications at Idaho National Laboratory</b>	<b>Live Demonstration of an Agile No-Cost Screening Tool for the Feasibility of Hydrogen-Fueled District Energy Systems</b>	<b>BioEnergy with Carbon Capture - Unlocking the value of additional revenue streams</b>
<b>Green &amp; Low-Carbon Hydrogen in the US: focus on certification &amp; transparency for global market access</b>	<b>Polyimide for Hydrogen Wear and Sealing Applications</b>	<b>Production Technology for Bipolar Plates of Fuel Cells and Electrolyzers – Anything but Simple</b>	<b>Hydrogen Powered Gas Turbines</b>	<b>Utilizing Carbon for Enhanced Oil Recovery</b>
<b>Panel Discussion- Hydrogen Markets Outside of the US</b>	<b>THera™ SEAL: the next gen sealing solution for high pressure gaseous hydrogen storage</b>	<b>Advancements in Gas Diffusion Layers Designs for Next Generation High Performance Fuel Cells</b>	<b>An evaluation of hydrogen fuel use and handling for industrial stationary equipment</b>	<b>An Offshore Contractor in CCS - Noble Corp's Initial Lessons from the Greensand Project and Other Initiatives</b>
	<b>Run-time Optimized Compressors for LH2, Green Ammonia and Pipeline Processes</b>	<b>Panel Discussion- Powering the Hydrogen Future: fuel cells for remote and back-up power systems</b>		<b>Panel Discussion- The Latest Developments in Monitoring, Reporting and Verification</b>
	<b>Panel Discussion- Hydrogen Safety for Storage and Transportation</b>			

## LUNCH & NETWORKING OPPORTUNITIES

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