

Hydrogen: Fueling the Sustainable Future

Join Us for the Irvine Clean Energy Conference (ICEC),
In-Person Conference, September 17-18, 2024

ICEC 2024, DAY ONE

Tuesday, 17 September 2024

Session Chair: Jack Brouwer

Morning	Clean Energy Science to Application Research @ UCI	Organization	Presentation Topic
8:00am	Shane Ardo	UCI	Climate Change Mitigation using the Sun and the Sea
8:30am	Jenny Yang	UCI	Science of Carbon Capture
9:00am	Plamen Atanassov	UCI	Electrocatalysts for a Key Electrochemical Decarbonization Technologies
9:30am	Voja Stamenkovic	UCI	Science of Electrocatalysis

10:00am BREAK

Session Chair: Dominik Haering

10:30am	Jack Brouwer	UCI	FC and Electrolysis Systems
11:00am	Jeff Reed	UCI	Techno-Economics of Hydrogen
11:30am	Mike Mac Kinnon	UCI	Clean Energy Achieves Clean Air

12:00pm LUNCH

Session Chair: Voja Stamenkovic

Afternoon	Agency, Association & Industry Perspectives	Organization	Presentation Topic
1:00pm	Mark Richards	DOE HFTO of EERE	U.S. National Clean Hydrogen Strategy Perspectives
1:20pm	Jai-Woh Kim	DOE FECM	Overview of DOE/FECM RSOFC Technology Prog.
1:40pm	Aaron Katzenstein	South Coast Air Quality Management District	Air Quality in Southern California and Roles for Hydrogen
2:00pm	Katrina Fritz	California Hydrogen Business Council	Decarbonizing California with Hydrogen
2:20pm	Ryan McCarty	SAFCell	Solid Acid Membrane Developments
2:40pm	Tim Sasseen	Tim Sasseen Energy Engineering	Fuel cell electric buses: market update and innovation potentials
3:00pm	Elie Shoemake	PlugPower	Supply Chain and Logistics for Hydrogen

3:20pm BREAK

Session Chair: Robert Flores

3:40pm	Paul Fukumoto	FuelCell Energy	Solid Oxide Systems for Power Generation, Electrolysis and Energy Storage
4:00pm	Tim Brown	First Element Fuel	Challenges and Opportunities in Hydrogen Refueling
4:20pm	Christina Johnston	Robert Bosch LLC	Bosch Hydrogen and Fuel Cell Technologies
4:40pm	Rick Rooney	HORIBA	Evaluation and Development Tools for Fuel Cells and Electrolyzers
5:00pm	Joe Pratt	Zero Emission Industries	Hydrogen for Maritime Applications

5:20pm ADJOURN (Reception Begins @ 5:30pm, ISEB Foyer)

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ICEC 2024, DAY TWO

Wednesday, 18 September 2024

Session Chair: Plamen Atanassov

<i>Morning</i>	<i>Clean Energy Science to Application Research @ UCI</i>	<i>Organization</i>	<i>Presentation Topic</i>
8:00am	Bilal Iskandarani (Zenyuk Group)	UCI	Comparison of PEM fuel cells and PEM water electrolyzers
8:30am	Nicola Ulibarri	UCI	Regulatory, Permitting, and Policy Hurdles for Hydrogen Infrastructure
9:00am	Dominik Haering	UCI	HIMaC: Electrification of Transportation
9:30am	Bihter Padak	UCI	Effect of Hydrogen Addition into Natural Gas on Selective Catalytic Reduction of NOx for Stationary Power Applications

10:00am BREAK

Session Chair: Bihter Padak

10:30am	Vince McDonell	UCI	H2 impacts on appliance combustion emissions
11:00am	Robert Flores	UCI	The Social Value of Green Hydrogen
11:30am	Jack Brouwer	UCI	Environmental Challenges and Benefits of Hydrogen

12:00pm LUNCH

Session Chair: Jeff Reed

<i>Afternoon</i>	<i>ARCHES Session</i>	<i>Organization</i>	<i>Presentation Topic</i>
1:00pm	Angelina Galiteva	ARCHES	Alliance for Renewable Clean Hydrogen Energy Systems
1:20pm	Lorraine Paskett	Air Products	Air Products Investments in Clean Hydrogen
1:40pm	Jason Caudle	Lancaster Energy	Demand Aggregation opportunities in Hydrogen
2:00pm	Heather Tomley	Port of Long Beach	Potential for Hydrogen at Port of Long Beach
2:20pm	Michael Galvin	Port of Los Angeles	Potential for Hydrogen at Port of Los Angeles
2:40pm	Allen Toweill	Chevron	Chevron's Approach to Hydrogen

3:00pm BREAK

Session Chair: Vince McDonell

<i>Afternoon</i>	<i>Utility and Industry Perspectives</i>	<i>Organization</i>	<i>Presentation Topic</i>
3:20pm	Yuri Freedman	SoCalGas	A vision for building California's hydrogen economy
3:40pm	Diana Mejia-Chartrand	PG&E	Hydrogen at PG&E
4:00pm	Melanie Davidson	SDG&E	Hydrogen at SDG&E
4:20pm	Martin Howell	ARUP	H2 – A Global Perspective
4:40pm	Dang Le & Mike Ramotowski	Solar Turbines	H2 End Use for Turbines

5:00pm ADJOURN