



HYDROGEN AMERICAS 2024

SUMMIT & EXHIBITION

11 – 12 JUNE 2024
RONALD REAGAN INT. TRADE CENTER,
WASHINGTON D.C.

The Hub for the Global Hydrogen Community in the Americas

Part of the SEC World Hydrogen Series

The Largest and Most Senior Hydrogen Summits



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CONFIRMED SPEAKER LIST

1. **Dr. Sunita Satyapal**, Hydrogen and Fuel Cell Technologies Office Director and Hydrogen Program Coordinator, **U.S. Department of Energy**
2. **Kelly Cummins**, Acting Director, **Office of Clean Energy Demonstrations**, **U.S. Department of Energy**
3. **Crystal Farmer**, Program Manager – Hydrogen Hubs, **Office of Clean Energy Demonstrations**, **U.S. Department of Energy**
4. **Maggie Field**, Western Hydrogen Hubs Manager, **Clean Air Task Force**
5. **Shinichi Kihara**, Director General for Energy and Environmental Policy, **Ministry of Economy, Trade and Industry Japan**
6. **Betony Jones**, Labor Advisor to Secretary of State, **US Department of Energy**
7. **Seifi Ghasemi**, Chairman, President and Chief Executive Officer, **Air Products**
8. **Tomeka McLeod**, VP Hydrogen, U.S., **bp**
9. **Martin Hering**, Senior Business Development Manager, **Bosch**
10. **Pierre Poulain**, President & CEO, **Powertech Labs**
11. **Fredrik Mowill**, CEO, **Hystar**
12. **Alex Savelli**, Managing Director Electrolyzers – Americas, **Accelera by Cummins**
13. **Dr. Matteo Fabbri**, Product Line Manager, **ABB**
14. **John Gunn**, Global Manager of Operations, Energy Transition, **Bechtel**
15. **Nikolaj Knudsen**, Head of Business Development, **Topsoe, Power-to-X**
16. **Rafael Fejervary**, Hydrogen Director, **SLB**
17. **Laura Bergedieck**, Senior Vice President for Hydrogen Development, **RWE Clean Energy**
18. **Rajiv Sabharwal**, Vice President of Business Development- Energy, **Bureau Veritas**
19. **Brian Foody**, CEO, **logen**
20. **Christopher Hessler**, Founding Partner, **AJW, Inc.**
21. **Bernhard Voll**, Senior Technical Expert, **SMA Altenso GmbH**
22. **Dr. Joshua Stolaroff**, CEO, **MOTE**
23. **Steven Parente**, Hydrogen Infrastructure and Integration Specialist, **Caterpillar**
24. **Steve Beyer**, Director of Business Development, **Re:Build Manufacturing – Re:Build Optimization**
25. **Paul Dainora**, Head of Business Development Green Hydrogen, **Thyssenkrupp-Nucera**
26. **Sonia Maleky**, Director of Hydrogen Technology, **Microsoft**
27. **R K Goyal**, Managing Director, **Kalyani Steels Ltd.**
28. **Franklin Chang Díaz**, CEO, **Ad Astra Rocket Company**
29. **Nick Barilo**, Executive Director, **Center for Hydrogen Safety**
30. **Brett Perlman**, CEO, **Center for Houston's Future**
31. **Christiaan Gischler**, Lead Energy Specialist, **Inter-American Development Bank (IADB)**
32. **Bill Elrick**, Executive Director, **Hydrogen Fuel Cell Partnership**
33. **Mark Fasel**, Director of PMG Technical Resources, **International Code Council, Inc.**
34. **Trevor Brown CFA**, Executive Director, **Ammonia Energy Association**
35. **Gurpreet Hayre**, Event Director, **Sustainable Energy Council**

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SUMMIT DAY ONE

11 June 2024

08:00 Welcome Breakfast

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08:45 Opening Keynote Addresses

Welcome Addresses:

- **Gurpreet Hayre**, Event Director, **Sustainable Energy Council**
- **Dr. Sunita Satyapal**, Hydrogen and Fuel Cell Technologies Office Director and Hydrogen Program Coordinator, **U.S. Department of Energy**

Keynote Addresses:

- **Speaker TBA**, U.S. Department of Energy

09:15 FIRESIDE CHAT: Vision for a Hydrogen Economy in the Americas

Chair:

Speaker:

Seifi Ghasemi, Chairman, President and Chief Executive Officer, **Air Products**

09:30 SPOTLIGHT: Update on Hydrogen Hubs Program

Keynote Address:

Kelly Cummins, Acting Director, **Office of Clean Energy Demonstrations**, **U.S. Department of Energy**

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09:45 **Session 1: U.S. Hydrogen Hubs: Mobilization and Implementation**

- Latest updates on the selected Regional Clean Hydrogen Hubs
- What are the key priorities for developing value chains within and across the Hubs?
- Local and international trade opportunities from each Hub
- The role of the hubs in clean energy deployment
- Highlighting job creation and workforce development

Chair:

Panelists:

10:45 **Networking Coffee Break**

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11:15 **Session 2: Collaboration Amongst Clean Hydrogen Leaders: Critical Projects & Policies Driving the Energy Transition**

- Updates on major projects and latest hydrogen advancements in the Americas
- The importance of demand incentives: How can we drive the industry forward through collaboration, policy and legislation?
- Successful projects from around the world providing useful case studies for the Americas
- Where is greater regulatory support needed to unlock projects?
- Hydrogen decarbonization partnerships in the Americas: US, Canada and Latin America

Chair:

Panelists:

Shinichi Kihara, Director General for Energy and Environmental Policy, **Ministry of Economy, Trade and Industry Japan**

Tomeka McLeod, VP Hydrogen, U.S., **bp**

John Gunn, Global Manager of Operations, Energy Transition, **Bechtel**

Brian Foody, CEO, **logen**

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12:00 **Session 3: Hydrogen Decarbonizing Hard to Abate Sectors**

- Key industrial sectors with hydrogen applications: Cement, steel, petrochemicals, transport, mining and others
- Cross-sector partnerships to secure long-term demand from hard to abate sectors
- Collaboration to achieve FID: How must clusters work together to ensure project success?
- Case studies of heavy industrial hydrogen use for decarbonization

Chair:

Christopher Hessler, Founding Partner, **AJW, Inc.**

Panelists:

R K Goyal, Managing Director, **Kalyani Steels Ltd.**

Dr. Joshua Stolaroff, CEO, **MOTE**

Steven Parente, Hydrogen Infrastructure and Integration Specialist, **Caterpillar**

13:00 **PRE-LUNCH ADDRESS**

13:10 **Networking Lunch**

Sponsored by



14:00 **SPOTLIGHT: Commercial Opportunities for Clean Hydrogen in Canada**

Chair:

Panelists:

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14:30 **Session 4: Attracting Investment into Clean Hydrogen Projects: Successes, Challenges and Opportunities**

- Is collaboration the key to successfully developing clean H2 projects?
 - Case study successes
- Public Private Partnerships: What more can be done to drive forward investment in the energy transition?
- De-risking investment opportunities to accelerate capital flow into hydrogen
- Case Studies in successful project funding and financial instruments working worldwide
- Offtake agreements fit for a future hydrogen economy
- Fulfilling the U.S. ambitious hydrogen goals: cutting the cost of clean hydrogen to **\$1 per 1 kilogram in 1 decade**

Chair:

Bill Elrick, Executive Director, **Hydrogen Fuel Cell Partnership**

Panelists:

Crystal Farmer, Program Manager – Hydrogen Hubs, **Office of Clean Energy Demonstrations, U.S. Department of Energy**

Christiaan Gischler, Lead Energy Specialist, **Inter-American Development Bank (IDB)**

15:15 **Session 5: Electrolyzer Technology Developments: Showcasing World Class Excellence in Technology**

- Scaling up electrolysis for large scale adoption
- Collaboration to drive innovation: Driving development and sales of electrolyzer components
- Lowering costs for clean hydrogen production
- Challenges for the Power Grid when scaling up electrolysis
- Meeting key challenges in the built environment with clean tech innovation

Chair:

Panelists:

Alex Savelli, Managing Director Electrolyzers – Americas, **Accelera by Cummins**

Nikolaj Knudsen, Head of Business Development, **Topsoe, Power-to-X**

Paul Dainora, Head of Business Development Green Hydrogen, **Thyssenkrupp-Nucera**

Martin Hering, Senior Business Development Manager, **Bosch**

Dr. Matteo Fabbri, Product Line Manager, **ABB**

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16:00 Networking Coffee Break

Sponsored by



16:30 Session 6: Ammonia's Clean Energy Potential

- Ammonia supply and demand: Global trade flows and markets
- Standardisation, regulation, and certification to enable cross regional trade
- Bunkering and Ammonia Storage – next steps, timelines, and projects
- Ammonia as a transportation fuel
- Ammonia feedstock for power generation in existing gas turbines and coal fired power plants

Chair:

Trevor Brown, Executive Director, **Ammonia Energy Association**

Panelists:

17:15 SPOTLIGHT: Developing Future Hydrogen Leaders: Paving the Way for the Next Generation

- How will the US Hydrogen Hubs impact the next generation of future leaders?
- How do we attract talented people into the business?
- Upskilling from other sectors
- International partnerships to develop hydrogen workforce
- Open-source R&D

Chair:

Betony Jones, Labor Advisor to Secretary of State, **US Department of Energy**

Panelists:

Maggie Field, Western Hydrogen Hubs Manager, **Clean Air Task Force**
Franklin Chang Díaz, CEO, **Ad Astra Rocket Company**

18:00 Drinks Reception

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SUMMIT DAY TWO

12 June 2024

08:00 Welcome Coffee

09:00 Ministerial Keynotes

09:30 FIRESIDE CHAT: Hydrogen's Regulatory Roadmap

Chair:

Speaker:

FERC

EPA

10:00 SPOTLIGHT: South Australia Clean Energy Power House

Keynote Address:

Senior State Government Official, **South Australian Government**

10:15 SPOTLIGHT: Hydrogen Safety: Enabling Success Through Effective Mindset Management

- Codes and standards: Understanding the information needed to safely build, maintain and operate equipment, systems and facilities
- Safety Culture: A vital foundation for industry success
- How do we learn from experiences and incidents?
 - Highlighting case studies to ensure a continual learning process with regards safety
- Building trust with customers to enable scaling up

Chair:

Nick Barilo, Executive Director, **Center for Hydrogen Safety**

Panelists:

Mark Fasel, Director of PMG Technical Resources, **International Code Council, Inc.**

Dave Farese

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11:00 Networking Coffee Break

Sponsored by



11:30 Session 7: Renewable Hydrogen Production

- Will there be enough green power from Wind, Solar, Hydro, Geothermal?
- Overcoming challenges in scaling up production
- What is needed to build a successful project
- Renewable power cost decline curve

Chair:

Panelists:

Fredrik Mowill, CEO, **Hystar**

Bernhard Voll, Senior Technical Expert, **SMA Altenso GmbH**

Laura Bergedieck, Senior Vice President for Hydrogen Development, **RWE Clean Energy**

12:15 Session 8: Standardisation, Certification and Regulation for Global Export

- Where are we on the market framework rules?
- Defining standards for international trade: handling and storing of hydrogen and derivatives
- Latest international partnerships working on mutual recognition of certification schemes
- Best practices and transparency in hydrogen standards adherence

Chair:

Panelists:

Rajiv Sabharwal, Vice President of Business Development- Energy, **Bureau Veritas**

Senior Representative, **IPHE**

13:00 Networking Lunch

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14:00 **Session 9: Hydrogen's Role in the Future of Global Decarbonization**

- Where should the hydrogen industry be in 5 years?
- What needs to happen for the hydrogen industry to reach its mid to long term goals?
- Where can demand incentives be introduced to ensure the next phase of industry growth?
- What are the opportunities and bottlenecks as the hydrogen industry progresses?
- How can we use what we have learned so far to accelerate the industry?

Chair:

Panelists:

Rafael Fejervary, Hydrogen Director, **SLB**

Sonia Maleky, Director of Hydrogen Technology, **Microsoft**

14:45 **Session 10: Developing Global Supply Chains from the Americas**

- Linking hydrogen value chains from the Americas to Global markets
- The role of ports as hydrogen hubs and leaders in global supply chains
- Developing Hydrogen corridors across the region and internationally

Chair:

Panelists:

15:30 **Networking Coffee Break**

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16:00 **Session 11: Hydrogen's Mobility Applications on Land**

- Harnessing opportunities for Hydrogen Fuel Cells and Hydrogen ICE
- Case Study: Examples of successful H2 road mobility projects
- Fuelling infrastructure for trucks, buses and trains
- Challenges in deploying hydrogen vehicles on the road

Chair:

Brett Perlman, CEO, **Center for Houston's Future**

Panelists:

Pierre Poulain, President & CEO, **Powertech Labs**

Steve Beyer, Director of Business Development, **Re:Build Manufacturing – Re:Build Optimization**

16:45 **SPOTLIGHT: Advancements in Hydrogen Storage to Achieve a Sustainable, Low Carbon Future**

- Storage technology advancements, innovations & cost reductions
- Hybrid energy storage systems
- Salt caverns
- Liquefied hydrogen
- Compressed hydrogen storage
- Solid State Storage

Chair:

Panelists:

17:30 **SPOTLIGHT: Transportation & Distribution of Hydrogen**

- Developing transportation and distribution efficiencies for cost reduction
- Purpose built pipelines vs blended pipelines
- Hydrogen shipping: Technological advancements uncovered
- Cost reduction developments: Where can efficiencies be leveraged to unlock off-take?
- Ammonia, methanol and LOHC as carriers

Chair:

Panelists:

18:15 **Close of Day 2**

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CONTACT OUR TEAM TO DISCUSS YOUR PARTICIPATION



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