



1st & 2nd
October 2024
Valencia, Spain

Hydrogen & Fuel Cells Energy Summit 2024

*Powering the Future:
Unleashing the Potential of Hydrogen and Fuel Cells*

Key Topics

- Updates on EU Policies & Regulation's
- Market Overview of Hydrogen & Fuel Cell
- Closely Reviewing Fuel Cells Technology and Durability
- Ideas to Safely Decarbonise the Steel Industry with Hydrogen
- Further Investing Activities in the Hydrogen Economy
- Exploring Alternative Energy Carriers such as Ammonia
- Comparing Large-Scale vs Small-Scale Hydrogen Production
- Using Hydrogen for the Synthesis of Artificial Fuels
- Future Trends and Goals for the Hydrogen Industry



For sponsorship opportunities please contact
Krisztina Szabo T: +44 20 3141 0603 E: kszabo@acieu.net

ACI's Hydrogen & Fuel Cells Energy Summit will be taking place on the **1st & 2nd October 2024** in **Valencia, Spain**.

The 7th edition of the summit will continue to give updates on the European and global hydrogen market while also reviewing EU policies and regulations that are currently holding up the industry and strategies to overcome these barriers.

We will explore new emerging technologies, opportunities and challenges with Europe's hydrogen pipeline and exploring alternative energy carriers such as ammonia for Hydrogen production.

The two-day event will bring together key industry stakeholders from hydrogen producers and suppliers, fuel cell companies, automotive OEMs, hydrogen storage companies, technology providers, component manufacturers & industrial end-users, financial stakeholders and investors, service providers, government officials & regulators and others



Who Will Attend?

ACI's Hydrogen & Fuel Cells Energy Summit will bring together senior executives from:

- Hydrogen producers and suppliers
- Fuel cell companies
- Automotive-OEMs
- Hydrogen storage companies
- Technology providers
- Component manufacturers & industrial end-users
- Financial stakeholders & investors
- Research institutions
- Service providers
- Investors
- Government officials & regulators

Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact **Luca Mircoli** using any of the following methods:

Tel: + 44 (0) 2031 410 619

Email: luca@acieu.net

Online: <http://www.acieu.net>

Conference Fees

Conference (Includes Documentation Packet) £1,995
(Excl. VAT)

Documentation Packet Only £520

Members and customers of all supporting organisations are entitled to a discount off their conference package.

Discounts are available for multiple/group bookings.

Opportunities to Meet Your Target Audience:

Showcase your technologies to the industry, with opportunities to demonstrate the capabilities of your latest products and services. Companies can gain direct access to our senior level audience and have an increased level of visibility and exposure through branding and networking at the conference. This will allow you to attract new business and forge lasting commercial relationships.

For information on available commercial opportunities, please contact:

Krisztina Szabo

+44 (0) 20 3141 0603 - kszabo@acieu.net



Valencia, Spain

DAY 1

Tuesday 1st October 2024

08:00 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**

09:15 **CONFERENCE PRESENTATION**

Hydrogen - Challenges & Opportunities in Delivering Decarbonisation

- Clean Fuel Options
- Market Drivers
- Supply Chain and Trade Considerations



Graham Hoar
Global Head of Hydrogen,
Ammonia & Methanol Advisory
Poten & Partners

10:00 **SESSION ONE**

Update on Policy and Regulations



Cosima Sagmeister
Analyst
Charles River Associates



Isabel Figuerola-Ferretti Garrigues
Professor
Universidad Pontificia Comillas



Jose Manuel Perez Rodriguez
H2 Regulation & Governmental Affairs
EDP

Renewable Hydrogen as a Tool for Decarbonization: Policies and Incentives

- Overview of the main policies and incentives of the H2 economy in Europe
- Policies: REDIII, delegated act, Refuel EU Aviation, Fuel EU Maritime, ETS
- Incentives: Hydrogen Bank, State Aid
- Challenges and barriers to overcome



Nazih Toubal
Project Manager
Revolve

Bridging North-South Green Hydrogen Cooperation Dynamics by Overcoming Policy and Communication Barriers

11:15 **MORNING REFRESHMENTS**

12:00 **SESSION TWO**

Development of Fuel Cells and Electrolysers Technologies

- Comparing the benefits of current fuel cell technologies such as polymer electrolyte membrane, alkaline and solid oxide fuel cells
- Reviewing research and development of fuel cell technologies such as innovative materials and integration strategies
- Strategies for mass production of cells, stacks and systems to combat time pressures



Dr Sebastian Stiebel
Business Development Manager
Fraunhofer UMSICHT

Green Hydrogen and Carbon Management @ Fraunhofer UMSICHT

- Applied Research for industrializing electrolyser technologies
- New Materials for hydrogen evolution and CO2 reduction
- 2nd Generation of electrolysis technology for one-step hydrogen generation and CO2 reduction via CO2-electrolysis
- Direct resistance heating for new ammonia cracking technology with renewable energies

13:15 **LUNCH**

14:45

CONFERENCE PRESENTATION

Activities to Safely Decarbonise the Cement Industry with Hydrogen



Jerome Friler
CEO
Sataram America Inc.

15:30

PANEL DISCUSSION

Attracting and Retaining Investments into Hydrogen Energy

- Production solutions to further investments to support the growing of the industry
- Ways to reduce high costs of production as results of increased demand and increase scale of deployment
- An in-depth analysis of prices and investments schemes for green hydrogen

Gabriele Lucchesi
Hydrogen Director
Edison SpA

16:30

AFTERNOON REFRESHMENTS

17:15

CONFERENCE PRESENTATION

Hydrogen Storage and Grid Support

- Highlighting small scale solutions and applications for hydrogen energy storage

Valencia, Spain

- New solutions for off grid solutions to support renewable energy fluctuations

18:00 **CLOSE OF DAY ONE**

DAY 2

Wednesday 2nd October 2024

08:30 **REGISTRATION & COFFEE**

09:00 **CHAIRMAN'S OPENING REMARKS**

09:05 **CONFERENCE PRESENTATION**

Exploring Different Energy Carriers for Cost-Effective Storage and Transport of Hydrogen



Madeleine Mitschler
Engineer/ Researcher
Aramco

09:50 **SESSION THREE**

Furthering Hydrogen and Fuel Cells Commercialisation

- Where do we see the hydrogen industry in 10 years?
- Sustainability advancements for the future to achieve sustainable goals
- Developments into commercial transportation vehicles e.g. maritime, aviation, heavy duty vehicles and cars
- The expanding infrastructure to keep up with demand such as refueling stations

14:55



Søren Kart Stevns
Technical Project Manager
Hydrogen Valley



Erik Mortensen
Project Manager
Hydrogen Valley



Phil Henrick
Head of Sales
Hydrogen Vehicle Systems Ltd

Hydrogen Fuel Trucks: How Can They Help Decarbonise Your Fleet?

11:05 **MORNING REFRESHMENTS**

11:50 **SESSION FOUR**

Challenges and Opportunities with Europe's Hydrogen Backbone

- Understanding the ins and outs of the European hydrogen pipeline e.g. which form will it be transported in?
- Is Europe's infrastructure strong enough to sustain this idea?

- How will easy access and transportation of hydrogen support our goal for net zero in 2050
- Needs and influx of investment to build and maintain the infrastructure

13:05 **LUNCH**

14:35

CONFERENCE PRESENTATION

The Use of Hydrogen for the Synthesis of Artificial Fuels

- Studying synthetic fuels and whether they are the best solution for sectors difficult to electrify?
- Closely inspecting the direct use of hydrogen and its efficiency



Jarek Milewski
Director of Hydrogen and Fuel Cell Center
Warsaw University of Technology

Development of Fuel Cells and Electrolysers Technologies

15:20 **SESSION FIVE**

Hydrogen Production systems: The New Wave of Large-Scale Systems

- Optimising hydrogen production systems to large scale production in Europe
- Understanding small scale systems and their ability/ inability to sustain the hydrogen economy in Europe
- Innovative and cutting-edge solutions to develop hydrogen systems further

16:35

CHAIRMAN'S CLOSING REMARKS

16:40

END OF CONFERENCE & AFTERNOON REFRESHMENTS