

# Hydrogen & Fuel Cells Energy Summit

16th & 17th MARCH 2022  
PORTO, PORTUGAL

## KEY TOPICS

- \* An Overview of the Hydrogen and Fuel Cells Market
- \* Hydrogen Infrastructure in Europe
- \* An Overview of H<sub>2</sub> Production
- \* The Regulatory Framework at EU Level
- \* Commercial Strategies to Increase Profitability in Hydrogen Production
- \* Hydrogen vs Natural Gas
- \* Blue H<sub>2</sub> and Green H<sub>2</sub>
- \* Novel Technologies and Solutions
- \* The Road towards Massive Production of Green H<sub>2</sub> in Europe
- \* Transportation of Hydrogen
- \* Hydrogen in the Automotive Sector
- \* Broadening the Scope of Applications for H<sub>2</sub> Fuel Cells



Bart Biebuyck  
Executive Director  
FCH-JU



Christian Pho Duc  
CTO & Managing  
Director H<sub>2</sub> Projects  
Smartenergy



Jorgo Chatzimarkakis  
Secretary General  
Hydrogen Europe



Dr Alena Fargere  
Principal  
SWEN  
Capital Partners



Nienke Homan  
Regional Minister  
Province of Groningen  
Northern Netherlands



Raúl Blanco Díaz  
Secretary General for  
Industry and SME  
Ministry of Industry  
Trade and Tourism  
of Spain

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Hydrogen  
Europe



FOUNDATION FOR THE  
DEVELOPMENT OF NEW  
HYDROGEN TECHNOLOGIES  
IN ARAGON



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COFFEE BREAK  
DAY ONE



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KRISZTINA SZABO on kszabo@acieu.net // +44 (0) 203 1410603



Active Communications International



ACI's 5th **Hydrogen & Fuel Cells Energy Summit** will be taking place on **16th & 17th March, 2022** in **Porto, Portugal**.

For its fifth edition, the event will give updates on the European Hydrogen & Fuel Cells market and its developments, as well as focusing on current challenges for the industry such as the current and future status of hydrogen infrastructure for the automotive sector in Europe, the forecast on its regulatory framework, and the production of blue and green hydrogen, among others.

Over the two days, the event will give you in-depth perspective on novel technologies and solutions, the road towards achieving massive production of green hydrogen in Europe. and its transportation and logistics requirements.

## Opportunities to Meet Your Target Audience:



Showcase your technologies and expertise 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 20 3141 0603 / [kszabo@acieu.net](mailto:kszabo@acieu.net)**

## Key Topics

- **An Overview of the Hydrogen and Fuel Cells Market**
- **Hydrogen Infrastructure in Europe**
- **An Overview of H<sub>2</sub> production**
- **An Overview of the Regulatory Framework at EU Level**
- **Commercial Strategies to Increase Profitability in Hydrogen Production**
- **Hydrogen vs Natural Gas**
- **Blue H<sub>2</sub> vs Green H<sub>2</sub>**
- **Novel Technologies and Solutions**
- **The Road towards Massive Production of Green H<sub>2</sub> in Europe**
- **Transportation of Hydrogen**
- **Hydrogen in the Automotive Sector**
- **Broadening the Scope of Applications for H<sub>2</sub> Fuel Cells**



## Who will be attending?

The conference will bring together senior executives from across the whole hydrogen and fuel cells value chain interested in meeting potential partners, creating business opportunities and gaining knowledge on the latest innovations to foster the market's growth.

Representatives from different hydrogen producers and suppliers, fuel cell companies, automotive OEMs, hydrogen storage companies, technology providers, component manufacturers and industrial end-users, as well as financial stakeholders and investors, service providers, government officials & regulators, providers of sustainable mobility technology, and others will come to discuss different perspectives and market opportunities for the hydrogen and fuel cells industry.



## Agenda Committee

- Bart Biebuyck, *Executive Director* – **FCH-JU**
- Soren Bjerregaard Pedersen, *CEO* – **Hydrogen Valley**

## Speaking Opportunities

If you would like to be considered as a speaker, for a 20-30mins presentation, at the event please submit an abstract for consideration to:

**Candice Fang**

**+44 (0) 20 3141 0611 / [cfang@acieu.net](mailto:cfang@acieu.net)**

## Registration Is Simple

If you would like to register for this event or wish to find out more information, please contact:

**Mohammad Ahsan**

**+44 20 3141 0606 / [mahsan@acieu.net](mailto:mahsan@acieu.net)**

## DAY 1

Wednesday 16th March 2022

08:00 **REGISTRATION & COFFEE**

08:45 **CHAIR'S OPENING REMARKS**



**Teresa Ponce de Leao**  
President  
**LNEG**

09:00 **KEYNOTE PRESENTATION**

### An Overview of the Hydrogen and Fuel Cells Market

- Analysing the current status of the hydrogen and fuel cells market, and its future
- Current challenges and opportunities in the mobility sector
- Gaining a better understanding of potential funding opportunities for the hydrogen sector in Europe
- Moving towards a "Hydrogen Economy" in Europe
- Measuring competitiveness in the supply chain inside and outside of Europe: What's the next step?



**Bart Biebuyck**  
Executive Director  
**Fuel Cells and Hydrogen  
Joint Undertaking - FCH-**

09:30 **SESSION ONE**

### An Overview of H2 production

- Analysing the life cycle of H2 production: Challenges and Opportunities
- Meeting the high demand for hydrogen in a renewable way
- Strategies to reduce carbon capture throughout the hydrogen manufacturing



**Stephan Herbst**  
General Manager  
**Toyota Motor Europe**

#### Hydrogen production as a tool to integrate renewable energy in the grid

- Assessing HyBalance & Power2Met: A case study
- Gaining insights into the Danish strategy for hydrogen production

10:00

- Lessons learnt with regards to Hydrogen as a balancing mean



**Søren Bjerregaard  
Pedersen**  
CEO  
**Hydrogen Valley**

10:30

**Panel Q&A**

10:45

**MORNING REFRESHMENTS**

**COFFEE BREAK PARTNER: REN**

11:15

## SESSION TWO

### Hydrogen Infrastructure in Europe

- Attracting and retaining investment for infrastructure required for electrolysis
- Analysing the current and future refuelling infrastructure for vehicles across Europe



**Christian Sander**  
Head of Business  
Development Germany  
**RWE Generation SE**

#### Options for an Integrated Infrastructure on Hydrogen

- Bilfinger at a glance
- Different ways to transport Green Hydrogen
- Overview of the available technology and their pros and cons, their needs on infrastructure and some examples
- Preferences of Infrastructure for different users
- Future perspectives

11:45



**Ulrich Trebbe**  
Head of Sales  
**Bilfinger**



12:15

**Panel Q&A**

13:00

**LUNCH**

14:00

## CONFERENCE PRESENTATION

### A Blueprint for Decentralized Green H2-Generation Projects

- Targets
- Challenges: Use case, bankability, cost effectiveness, permitting and others
- Strategies to make it work
- Lessons learnt



**Christian Pho Duc**  
CTO & Managing  
Director H2 Projects  
**Smartenergy**



14:30

## CONFERENCE PRESENTATION

### Hydrogen Production: How to Attract Private Investments?

- Addressing strategies to increase and secure revenues from clean hydrogen production
- Balancing profitability with the road map towards clean hydrogen production
- Understanding the effect of the COVID 19 pandemic upon private investments in hydrogen production



Dr Alena Fargère  
Principal  
**SWEN CAPITAL PARTNERS**

15:00

## CONFERENCE PRESENTATION

### High Pressure Storage Systems with Type 4 Pressure Cylinders for Gaseous Hydrogen in Infrastructure and Mobile

- Latest update of type 4 pressure cylinders
- Integration into infrastructure
- Outlook at future developments



Michael Ismar  
Sales Manager **NPROXX**

15:35

## AFTERNOON REFRESHMENTS

COFFEE BREAK PARTNER: **REN**

16:05

## CONFERENCE PRESENTATION

### An Overview of the Regulatory Framework at EU Level

- Addressing current regulations for hydrogen production at EU level
- Gaining a better understanding of registration requirements for vehicles
- Looking into the future: The road towards 2030 for the Hydrogen Sector in Europe

16:50

## CONFERENCE PRESENTATION

### Joint Presentation



João Mendes  
Head of Marketing Communication  
**EFACEC**



José Manuel Silva  
Event Manager  
**EFACEC**

17:15

## PANEL DISCUSSION

### Hydrogen vs Natural Gas

- Debating the benefits & challenges of converting natural gas networks into stored hydrogen networks
- Using hydrogen as a replacement for gas in the automotive and energy sectors



Eva Hennig  
Chair of Eurogas  
Distribution Committee  
**Thuga**



Nils Grobet  
Business Developer -  
Green Hydrogen BU  
**Engie**

18:00

## CHAIR'S CLOSING REMARKS



Teresa Ponce de Leao  
President  
**INEG**

18:10

## CLOSE OF DAY ONE

19:30

## GALA DINNER

## DAY 2

Thursday 17th March 2022

08:30

## REGISTRATION & COFFEE

09:00

## CHAIR'S OPENING REMARKS



Nicolas Pocard  
Director of Marketing  
**Ballard**



09:15

## SESSION THREE

### Green Hydrogen: Status, Drivers and Barriers - Moving toward sustainable Blue H2 and Green H2

- Analytics of Blue H2 and Green H2 production processes
- Integrating Blue H2 and Green H2 projects
- Assessing the current scope of applications as well as infrastructure capacity and requirements for both Blue H2 and Green H2



Bill Ireland  
CEO  
**Logan Energy Ltd**

09:40

## Move with us Towards a Greener Future: PRF Hydrogen Scope



**Bruno Faustino**  
Hydrogen Business Unit  
Manager  
**PRF**



10:05

## Presentation title to be announced



**Rui Bessa**  
Technical Director  
**Ren**

10:30

## MORNING REFRESHMENTS

11:00

## CONFERENCE PRESENTATION Novel Technologies and Solutions

- Implementing H2 compression
- Developing Energy Storage Technologies to Maximise Renewable Capabilities
- Exploring Zero and Low Carbon Solutions



**Judith Serra**  
Manager  
**2G Energy Group**

11:45

## SESSION FOUR The Road towards Massive Production of Green H2 in Europe

- Implementing strategies to balance profitability with required production
- Scaling up the production of Green H2: What requirements are to be met?
- Improving the access to Green H2 production technology, components and systems



**Nienke Homan**  
Regional Minister  
**Province of Groningen,  
Northern Netherlands**

12:15



**Marc Rechter**  
Co-Founder & CEO  
**Resilient Group**

## CONFERENCE PRESENTATION

### Maximizing synergies of the H2 value chain for national carbon neutrality

- H2 offtake infrastructure
- policy and regulatory challenges
- sustainable green H2 production
- water resources for H2 production

12:45



**Teresa Ponce de Leao**  
President  
**LNeg**

13:15

## Panel Q&A

13:30

## LUNCH

14:30

## SESSION FIVE Hydrogen Mobility - Fueling the Future of Mobility from Heavy Duty Vehicles to Commercial Cars Transportation of Hydrogen

- Developing and applying hydrogen technology for transport at a large scale
- Current opportunities and challenges in hydrogen transportation



**Raül Blanco Díaz**  
Secretary General for Industry and SME  
**Ministry of Industry, Trade and Tourism of Spain**

14:55

## Towards Affordable and Sustainable Hydrogen Mobility

- Update in the deployment of hydrogen mobility especially for heavy duty (bus, truck rail and marine)
- Key factors required to enable deployment at scale of hydrogen mobility
- Progress status from Ballard's perspective
- Beyond zero emission towards sustainable electrification from cradle to grave



**Nicolas Pocard**  
Director of Marketing  
**Ballard**





15:20

## Hydrogen in the Automotive Sector

- Building joint hydrogen refueling stations for passenger and commercial vehicles: Pros & Cons
- Implementing refueling stations for road vehicles all over Europe with Hydrogen: What requirements are to be met?
- Bridging the gap between all fuel cell applications: What components can be used for passenger and commercial vehicles alike
- Assessing current developments on heavy logistics and commercial vehicles running on H2



Michael Traver  
Chair  
**Aramco Services**

15:45

## SESSION SIX

### Hydrogen Application in Maritime and Aviation. Role of Electrolysis in Hydrogen Production



Tiffany Scotts  
Marketing Manager  
**Haskel**

### Electrification and Control of Large Scale Hydrogen Production through Water Electrolysis

16:05



Kevin Pretorius  
Hydrogen Lead for High Power Rectifiers  
**ABB**

## Broadening the Scope of Applications for H2 Fuel Cells

- Addressing the untapped potential of H2 to create electro fuels in the aviation sector
- Discussing the role of H2 in decarbonising maritime & port operations
- Streamlining power stations towards hydrogen energy

16:35



Kristian Vik  
Senior Advisor Renewable Energy  
**Doxacom**

17:05

## Panel Q&A

17:25

## CHAIR'S CLOSING REMARKS

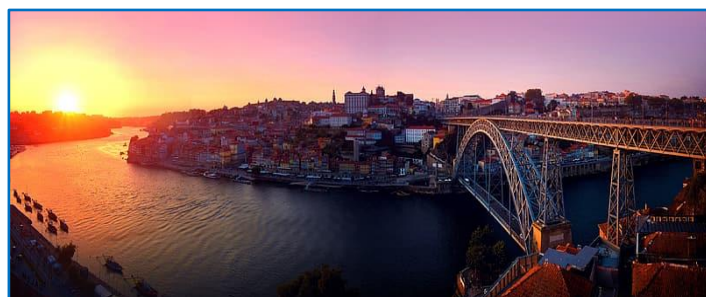


Nicolas Pocard  
Director of Marketing  
**Ballard**

**BALLARD**

17:35

## END OF CONFERENCE



Join us in Porto for the 5<sup>th</sup> edition of our  
**Hydrogen & Fuel Cells Energy Summit!**


# Hydrogen & Fuel Cells Energy Summit

Porto, Portugal

16th & 17th  
March  
2022


## More information on registration

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

 +44 20 3141 0606

 [mahsan@acieu.net](mailto:mahsan@acieu.net)

 <http://www.acieu.net>

 Postal Address: ACI Europe, 25 Southampton Buildings WC2A 1AL

## Registration Is Simple

Conference (Includes Documentation Packet)  
16th & 17th March 2022

£1,795  
(Excl. VAT)

Documentation Packet Only

£470.00

Please Note.

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

For more information please call +44 20 3141 0606

## Documentation Package Available

We are selling Hydrogen & Fuel Cells Energy Summit papers at just £470 (+£30 P&P). Simply tick the box on the booking form, send it with payment and your copy will be on its way to you after the meeting. This important manual will be a source of invaluable reference for the future.

## About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago with offices all around the States, ACI opened its European head office at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, oil & gas, cosmetics, chemicals & media.

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Substitutions are welcome up to 24 hours prior to the event. Cancellations must be received in writing no less than 3 weeks prior to the start of the conference; a full credit voucher towards a future ACI conference will be issued. Any cancellation received less than 3 weeks prior to the start of the event shall be deemed to be a breach of this contract by client, and accordingly, no credits will be given. Cancellations must be received in writing by mail or fax three weeks before the conference. Thereafter the full conference fee is payable. If for any reason ACI Europe Ltd decides to amend, cancel or postpone this conference, the conference fee will not be refunded. Furthermore, ACI Europe Ltd will not be responsible for covering airfare, hotel or other costs incurred by registrants. In the event that ACI Europe Ltd cancel or postpone the event, ACI Europe Ltd reserves the right to transfer this booking to another conference to be held in the following twelve months, or to provide a credit of an equivalent amount to another conference within the following twelve months. The construction, validity and performance of this agreement shall be governed in all respects by the laws of England to the exclusive jurisdiction of whose courts the Parties hereby agree to submit.

### Accommodation

The cost of accommodation is not included in the event fee. Preferential rates will be arranged with or near the event venue, and all confirmed delegates will be given details of how to book accommodation at this rate in due course.