



# 8<sup>TH</sup> CARBON DIOXIDE UTILIZATION SUMMIT

SAN ANTONIO  
TEXAS  
USA

22<sup>ND</sup>-23<sup>RD</sup>  
FEBRUARY  
2017

Exploring the Conversion of Waste CO<sub>2</sub> into Value Added Products

## KEY TOPICS

- The Commercial Value of CO<sub>2</sub> Re-use
- Policy & Regulatory Framework
- The Road to Feasible & Economically Efficient Technologies
- Algae as Highly Efficient Consumers of CO<sub>2</sub>
- CO<sub>2</sub> to Fuels
- CO<sub>2</sub> for Chemicals, Materials & Plastics
- CO<sub>2</sub> Uses in Oil & Gas
- Converting CO<sub>2</sub> into Green Building Materials

### COMMERCIAL & SPONSORSHIP OPPORTUNITIES:

Maureen Ignacio | T: +44 (0) 203 141 0636 | E: [mignacio@acieu.net](mailto:mignacio@acieu.net)

### MORE INFO & REGISTRATION:

Rohan Baryah | T: +48 (0) 616 467 022 | E: [rbaryah@acieu.net](mailto:rbaryah@acieu.net)



ACI's 8th Carbon Dioxide Utilization Summit 2017 will follow on from our successful series of conferences focusing on the re-use of greenhouse gas CO2 and converting this into profitable sustainable materials.

The two day conference brings together senior experts from various CO2 emitting industries discussing the **sustainable, technological and commercial aspects of CO2 Utilization** in North America and across the globe. With technology comparisons focusing on economic, environmental and social indicators, our panel of speakers will highlight knowledgeable insights from pilot stage to full-scale entities.

## Confirmed Topics for Discussion:

- The Commercial Value of CO2 Re-use
- Policy & Regulatory Framework
- The Road to Feasible & Economically Efficient Technologies
- Algae as Highly Efficient Consumers of CO2
- CO2 to Fuels
- CO2 for Chemicals, Materials & Plastics
- CO2 Uses in Oil & Gas
- Converting CO2 into Green Building Materials

## FOR SPEAKING OPPORTUNITIES CONTACT :

Jasmine Okure

Tel: +44(0)20 3141 0647

jokure@acieu.net

## Previous Attendees Include:

| 3M | E.ON | Skyonic | Sunfire GmbH | ArcelorMitta | Liquid Light | Aqualia | Audi AG | Alstom | Total | Gas Natural Fenosa Engineering | TECNALIA | SINTEF Energy Research | Iberdrola | Ecofys | FOM-institute DIFFER | ENEA Consulting | VITO | Praxair | International Energy Agency (IEA) | Climeworks AG | Covestro | DNV GL | Jagiellonian University | ETOGAS GmbH | Five Quarter Energy Limited / Five Quarter Energy | PTT Exploration & Production PCL / PTTEP | DIFFER | Solvay SA | TNO | Energibyen, Skive | KSLA | VTT | GreenField Speciality Alcohols Inc / GreenField | RAFAKO S.A. | Bilfinger Bohr- Und Rohrtechnik GmbH | Linde | Institute For Energy Technology (IFE) | SABIC | The Chemical Coal Processing Institute | Mitsubishi Hitachi Power Systems Europe GmbH / & Many More

## Who will Attend?

ACI's 8th Carbon Dioxide Utilization Summit is designed to appeal to anyone interested in exploring the commercial opportunities associated with the greenhouse gas CO2. Some of these industries include:

- Power
  - Fuels & Chemicals
  - Plastics & speciality materials
  - Oil & gas: Enhanced Oil Recovery (EOR)
  - Carbon Mineralization & Building Materials
- & Many more!

## Previous Conference Testimonial

"The audience was very diversified; as a speaker, I experienced great interest and in-depth questions concerning the topic, also at the visit at the Audi e-gas-plant in Werlte. In terms of content, administration and "networking usefulness", the conference was really outstanding."

**Hermann Pengg, Head of Renewable Fuels, Audi AG**



## FOR COMMERCIAL OPPORTUNITIES CONTACT :

Maureen Ignacio

+44 (0)203 141 0636

mignacio@acieu.net

## Registration is Simple:

To find out more information and to register, please contact **Rohan Baryah** using any of the following methods:

☎ +48 (0) 616 467 022

@ rbaryah@acieu.net

www http://www.acieu.net

## DAY 1

Wednesday 22nd February 2017

**08:00 REGISTRATION & COFFEE**

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

**09:15 CONFERENCE SESSION ONE**

### The Commercial Value of CO2 Re-use

- Producing saleable feedstock: how cost effective is CO2 utilisation in comparison to the quantities of CO2 deliveries?
- Successful partnerships leading to capital in CCU & CCS
- Highlighting the impact of CO2 utilisation on climate mitigation across North America
- Insights on carbon taxes across North America, what solutions can be provided?

**Bala Suresh**  
Director  
IHS Chemical

**Kevin O'Brien**  
Director  
Illinois Sustainable Technology Center

**11:05 MORNING REFRESHMENTS**

**11:35 CONFERENCE PRESENTATION**

### Policy & Regulatory Framework

- Insights on regulations associated with CCS, a case study from a pilot project that adapt the projects to the regulatory guidelines in place.
- Updates on fiscal policy effecting CO2 extraction and transportation
- EPA regulations ensuring technologies are deployed in a way that ensures human health and the environment are protected

**12:20 PANEL DISCUSSION**

### The Road to Feasible & Economically Efficient Technologies

- Effective technologies: what is new on the market?
- How are different companies approaching CO2 re-use and monetization with their technologies?
- Exploring new routes to acquire CO2 in the most cost effective way
- Efficient technologies reducing the cost of CO2 transportation
- Economically efficient processes of extracting CO2
- Technologies sourcing CO2 directly from the environment have proven to be the most paramount

- Assessing the impact of each system: What the system useful? Are co2 emissions reduced on a whole? Does the technology use reduced

**Gerard Hoffland**  
CTO D&I / General Manager CO2Dry  
FeyeCon Carbon Dioxide Technologies

**13:35 LUNCH**

**14:35 CONFERENCE SESSION TWO**

### Algae as Highly Efficient Consumers of CO2

- Success stories of applications of algae in the commercial world: fuel, nutrition & cosmetics
- Insights on the production of ethanol from algae
- Novel technologies associated with algae production

**16:25 AFTERNOON REFRESHMENTS**

**16:55 CONFERENCE SESSION THREE**

### CO2 to Fuels

- Electrochemical & photosynthetic processes converting CO2 to fuels & chemicals (enhancing light in cooler & lower temperature environments)
- Benchmarking Gas to Liquids developments

**Laura Nereng**  
Sustainability Leader  
3M

**John M. Kocol**  
Founder & CEO  
CO2toMethanol.com

**Paul Wuebben**  
Senior Director, Renewable Fuels  
Carbon Recycling International  
Subject to final confirmation

**18:10 CLOSE OF DAY ONE**

## DAY 2

Thursday 23rd February 2017

08:30 **REGISTRATION & COFFEE**

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

09:05 **CONFERENCE SESSION FOUR**

### CO<sub>2</sub> for Chemicals, Materials & Plastics

- Outlook on commercial opportunities for CO<sub>2</sub> based polymers
- Latest research and progress developments in the chemical and polymer industry
- Commercializing CO<sub>2</sub> based plastics

10:55 **MORNING REFRESHMENTS**

11:25 **CONFERENCE SESSION FIVE**

### CO<sub>2</sub> Uses in Oil & Gas

- Innovative EOR implementation strategies and technology
- Latest advancements in technology
- Market evolution

**Kevin Watts**  
Director, Oil And Gas Business Development  
**Linde**

**Sayavur Bakhtiyarov**  
Associate Professor  
**New Mexico Institute Of Mining And  
Technology Mechanical Engineering  
Department**

**Susan Hovorka**  
Senior Research Scientist  
**Gulf Coast Carbon Center**

13:15 **LUNCH**

14:15 **CONFERENCE SESSION SIX**

### Converting CO<sub>2</sub> into Green Building Materials

- Producing cost effective aggregates from CO<sub>2</sub>
- A closed-loop process: capturing carbon from power plant to create new building material
- Game changer case study: how CO<sub>2</sub> Utilisation for building materials tackles climate change

16:05 **CHAIRMAN'S CLOSING REMARKS**

16:15 **END OF CONFERENCE & AFTERNOON  
REFRESHMENTS**



Host City: San Antonio, Texas

For Commercial & Sponsorship  
Opportunities Contact:

Maureen Ignacio

+44 (0) 203 141 0636

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



## Registration Is Simple

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

 +48 (0)616 467 022

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

 <http://www.acieu.net>

 **Postal Address:**  
ACI Europe, 5/13 Great Suffolk Street, London, SE1 0NS

## Pricing

<b>Conference (Includes Documentation Packet)</b> 22nd & 23rd February 2017	<b>£1,595.00</b>
<b>Documentation Packet Only</b>	<b>£420.00</b>

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

For more information please call +48 (0)616 467 022

## Documentation Packet Available

We are selling the 8th Carbon Dioxide Utilization Summit papers at just £395 (+£25 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.

## Terms & Conditions

### Payment

Payment must be received within five business days of returning the signed contract. After receiving payment a VAT receipt will be issued. If you do not receive a letter outlining details two weeks prior to the event, please contact the Conference Coordinator at ACI Europe Ltd.

Discounts are available for multiple/group bookings. Please call +48 (0)616 467 022 for more information.

### Cancellations

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.