6TH CARBON DIOXIDE UTILIZATION SUMMIT
24TH-25TH FEBRUARY 2016
NEWARK, NEW JERSEY, USA

Exploring The Evolving Field Of CO2 Re-use

KEYS TOPICS:

Building the CDU (CO2 Utilization) Value Chain
Scale of CO2 Utilization
The Use of CO2 in Gas Turbines
CO2 Utilization Developments in EOR
From R&D to Commercialization
Utilizing Coal Fired Flue Gas: Overcoming Challenges
Advances in CO2 Mineralization
CO2 Fuels & Chemicals: Conversion & Products

EXCLUSIVE SITE VISIT

PRIMUS GREEN ENERGY PLANT
Tuesday 23rd February 2016
During the afternoon on Tuesday 23rd February, a limited number of attendees will receive the unique opportunity to visit Primus Green Energy Plant in Hillsborough, NJ. Spaces for the site visit are of no extra charge and are reserved on a first come first serve basis. Please confirm your interest upon registration.

Our Sponsors

For sponsorship enquiries please contact:
Maureen Ignacio +44 20 3141 0636 mignacio@acieu.net
The Conference
ACI’s 6th Carbon Dioxide Utilization Summit will explore commercial aspects of carbon dioxide applications in several industries such as fuel, chemical, oil & gas, power and cultivation. The conference will evaluate potential benefits and challenges of investments in carbon dioxide utilization as well as the political policy in place to ensure scale of emission targets are being achieved.

The two day conference will consist of series of informative presentations followed by an interactive Q&A session. Join us in Newark and participate in panel discussions giving you deep insights on the views shared from different prospects of carbon dioxide utilization.

Key Areas for Discussion:
- Building the CDU Value Chain
- Scale of CO2 Utilization
- The Use of CO2 in Gas Turbines
- CO2 Utilization Developments in EOR
- From R&D to Commercialization
- Utilizing Coal Fire Flue Gas: Overcoming Challenges
- Advances in CO2 Mineralization
- CO2 Fuels & Chemicals: Conversion & Products

Who Will Be Attending?
ACI’s 6th Carbon Dioxide Utilization Conference is designed to appeal to anyone interested in exploring further the commercial opportunities of CO2 Utilization, including advanced market update and latest technology developments.

Previous Attendees
- Nalco Energy Services
- GreenFire Energy
- Ferus Inc.
- Total
- Research & Energy
- University of Illinois at Chicago
- Phytocience Corporation
- Algae Fuels
- Blue Planet
- US Department of Energy (DOE)
- SABIC
- Volkswagen Group America
- Sunfire GmbH
- ArcelorMittal Innovation
- ACP Polska Sp
- Aqualia
- Audi AG
- Avantium
- Bayer Material Science
- DNV GL
- Jabilian University
- ETOGAS GmbH
- Five Quarter Energy Limited / Five Quarter Energy
- PTT Exploration & Production PCL / PTTEP
- DIFFER
- TNO
- Energibyen, Skive
- VTT
- GreenField Speciality Alcohols Inc / GreenField
- RAFAKO S.A.
- Bilfinger Bohr- Und Rohrtechnik GmbH
- Linde AG
- Institute For Energy Technology (IFE)
- The Chemical Coal Processing Institute
- Mitsubishi Hitachi Power Systems Europe GmbH
- MitsubishiHitachi PowerSystems
- Borealis Polyeolefine GmbH
- ON
- University Of Antwerp
- Joule Unlimited
- Yara Int.
- PTT PLC
- Clarient Produkte (Deutschland) GmbH
- Gas Natural Fenosa
- INHA University
- FCC AQUALIA, S.A.
- Antwerp Port Authority
- Jupiter Oxygen Corporation
- OMV
- Bertrandt Ingenieurbuero GmbH
- Chemieanlagenbau Chemnitz GmbH
- GDF Suez
- CCM Research
- BASF New Business GmbH
- Protesa
- MARU Teknik AB
- PTT Public Company Ltd
- KH Engineering B.v
- Naviglobe NV
- & many more!

Registration is Simple:
To find out more information and to register, please contact Claire Taylor-Payne using any of the following methods:
- +44 (0) 203 141 0601
- claire@acieu.net
- http://www.acieu.net

Commercial & Sponsorship Opportunities
Maureen Ignacio
+44 (0) 203 141 0636/ mignacio@acieu.net
6th CARBON DIOXIDE UTILIZATION SUMMIT
NEWARK, NEW JERSEY, UNITED STATES

DAY 1
Wednesday 24th February 2016

08:00   REGISTRATION & COFFEE

09:00   CHAIRMAN’S OPENING REMARKS
Bruce Donnenberg
Founder & CEO
Phytonix Corporation

09:15   CONFERENCE SESSION ONE
Building the CDU (CO2 Utilization) Value Chain
• Development of strategies for CO2 utilization value chain deployment
• Outlook on CO2 supply & demand
• Advanced solutions vs scale of emissions
• Developing global CDU networks for policy makers
• Effects of carbon tax & exploring potential financial support

Barry Worthington
Executive Director
USEA

Bala Suresh
Director
IHS Chemical

Senior Representative
XPRIZE

11:05   MORNING REFRESHMENTS

11:35   PANEL DISCUSSION
Scale of CO2 Utilization
Senior representatives from power production, chemical process, CO2-to-fuels & EOR will discuss the different scales of technology for each application/approach.
• Comparing the various technology scales across applications
• Insights on upscaling: Will the technology be the same across different scales?
• Source: Where is the CO2 in use coming from?

Kevin O’ Brien
Director
Illinois Sustainable Technology Center

12:20   CONFERENCE PRESENTATION
The Use of CO2 in Gas Turbines
• Advancements in thermal efficiency
• Replacing steam with supercritical carbon dioxide
• Challenges & opportunities faced designing a supercritical CO2 Brayton Cycle

13:05   LUNCH

14:20   CONFERENCE SESSION TWO
CO2 Utilization Developments in EOR (Enhanced Oil Recovery)
• Advancement in CO2 applications in EOR
• Updates on FOR projects in USA & Canada
• ‘Next Generation’ growth

Sayavur Bakhtiyarov
Associate Professor
New Mexico Institute Of Mining And Technology

16:10   AFTERNOON REFRESHMENTS

16:40   ROUND TABLE DISCUSSION
CO2 Utilization: From R&D to Commercialization
There will be 3 roundtables. Each table will be discussing the challenges faced and new opportunities along the pathway to commercialization within the particular industry.
• Table 1: Power generation
• Table 2: Fuels & chemicals
• Table 3: Oil & gas

Noah Deich
Founder & Executive Director
Center For Carbon Removal

Brant Lakeman
Executive Director - Environment
Alberta Innovates - Technology Futures

LEADERS IN CONFERENCE PLANNING & PRODUCTION
www.wplgroup.com/aci
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17:55  CONFERENCE PRESENTATION
Expanding the CCU Portfolio to Include Atmospheric Capture: Opportunities and Challenges
- Overview of methods to recycle carbon dioxide from the air
- Insight into markets for future deployment
- Rationals for urgent development of new technology space

Christophe Jospe
Chief Strategist
The Center For Negative Carbon Emissions

18:40  CLOSE OF DAY ONE FOLLOWED BY EVENING DRINKS RECEPTION SPONSORED BY:

Commercial Opportunities
If you would like to showcase your technology reaching a target audience of senior level professionals within the CO2 Utilization industry please contact Maureen Ignacio
T. +44 (0) 20 3141 0636 – mignacio@acieu.net

DAY 2
Thursday 25th February 2016

08:30  REGISTRATION & COFFEE

09:00  CHAIRMAN’S OPENING REMARKS
Bruce Dannenberg
Founder & CEO
Phytomix Corporation

09:05  CONFERENCE SESSION THREE
Advances in CO2 Mineralization
- Exploring technologies ready for deployment
- Converting CO2 into high value building material
- Innovative routes for mineral carbonization

Richard Riman
Distinguished Professor Of MSE
Rutgers, The State University Of New Jersey

Sean Monkman
VP Technology Development
Carbon Cure

Brent R Constanz
CEO
Blue Planet Ltd

10:55  MORNING REFRESHMENTS

11:25  CONFERENCE SESSION FOUR
CO2 Utilization in Fuels & Chemicals: Conversion Process
- Insights from electrochemical processes for CO2 reuse
- Global advantages of artificial photosynthesis & photosynthetic processes
- Effective catalysts innovations for commercial CO2 conversion

Bruce Dannenberg
Founder & CEO
Phytomix Corporation

Laura Nereng
Sustainability Leader
3M
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13:15 LUNCH

14:30 CONFERENCE SESSION FIVE
CO2 Utilization in Fuels & Chemicals: Production
- Developments in CO2 for fuel applications
- CO2 as feedstock for chemicals & polymers
- CO2 utilization in biofuel production from algae

Sam Rushing
President
Advanced Cryogenics

Dimitry Polyansky
Chemist
Brookhaven National Laboratory

John M Kooi
CEO
Co2toMethanol.com

Dan Robertson
Chief Scientific Officer
Joule Unlimited

16:20 CHAIRMAN’S CLOSING REMARKS
Bruce Dannenberg
Founder & CEO
Phytonix Corporation

16:30 END OF CONFERENCE & AFTERNOON REFRESHMENTS
Registration Is Simple

If you would like to register for this event or wish to find out more information, you can contact Claire Taylor-Payne using any of the following methods:

+44 (0) 203 141 0601
claire@acieu.net
http://www.acieu.net

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

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 +44 (0) 203 141 0601

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.

Registration Is Simple

| Conference (Includes Documentation Packet) 24th & 25th February 2016 | £1,495.00 |
| Documentation Packet Only | £420.00 |

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

For more information please call +44 (0) 203 141 0601

Documentation Packet Available

We are selling the 6th Carbon Dioxide Utilization Conference 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.