

# GASIFICATION 2017

Helsinki, Finland 15-16 March

## Key Topics

- ◆ Drivers for the Gasification Industry
- ◆ Latest Trends into Biomass Gasification Technology
- ◆ Waste Gasification, Status and Present Developments
- ◆ Roundtable Discussions: Key Products
- ◆ Gasification Units Operational Challenges
- ◆ Future of Coal Gasification: How to Deal with Low Oil Prices?
- ◆ Integration of Gasification and Refinery Plants
- ◆ Project Case Studies
- ◆ Latest Gasification Breakthrough Technologies



## Site Visit

**Exclusive Lahti Energy's Kymijärvi II power plant Site Visit Tuesday 14th of March 2017**

During the afternoon of 14th of March 2017 up to 40 conference attendees will receive a unique opportunity to visit Lahti Energy's Kymijärvi II power plant. Kymijärvi II is the world's first gasification plant that utilizes solid recovered fuel (SRF). At the 160 MW plant, waste-derived fuel is gasified, the gas is cooled down and cleaned, and the clean gas is then burned in the boiler.



## Event Sponsors

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For more information on available commercial opportunities, please contact:  
 Tim Rowley-Evans on +44 (0)20 3141 0637 or email [trowleyevans@acieu.net](mailto:trowleyevans@acieu.net)

ACI's 6th annual **Gasification** summit will once again bring together senior executives from industry and research to discuss the latest commercial and technical developments, challenges and research breakthroughs throughout the entire gasification market.

The conference will have a focus on the latest technologies in operation in the global gasification industry and also includes an overview of the up to date and prospecting activity. Discuss the technical challenges faced while chasing the carbon reduction, and the challenges faced during the commercialisation process including the views from different end markets.

## Agenda Committee:

- Thomas von Kossak, Shell
- Alison Kerester, The Gasification And Syngas Technologies Council
- Juhani Isaksson, Valmet
- Reinhard Rauch, Bioenergy 2020+
- Christiaan Van Der Meijden, Biomass Energy Engineering
- Chris Higman, Higman Consulting GmbH
- Silvio Arienti, Amec Foster Wheeler
- Berend Vreugdenhil, ECN

## Opportunities to Meet your Target Audience:

For information on available sponsorship and commercial opportunities, please contact Timothy Rowley-Evans:

Tel: +44 (0)20 3141 0637 or

Email: [trowleyevans@acieu.net](mailto:trowleyevans@acieu.net)

## Confirmed Topics for Discussion:

- Drivers for the Gasification Industry—EU Regulations, Directives and Energy Demand
- Latest Trends into Biomass Gasification Technology
- Waste Gasification, Status and Present Developments
- Roundtable discussion focusing on the key products coming from gasification applications
- Gasification Units Operational Challenges
- Future of Coal Gasification: How to Deal with Low Oil Prices?
- Integration of Gasification and Refinery Plants as an Approach to Compete in Hydrocarbon Market
- Project Case Studies: Discover Latest and Future Gasification Projects in the EMEA Market with Case Study Examples Focused on Operational Cost and Project Finance
- Latest Gasification Breakthrough Technologies

## Site Visit Details:



Lahti Energy's Kymijärvi II power plant – Tuesday 14th March 2017

During the afternoon of Tuesday 14th March 2017 a limited number of conference attendees will have the opportunity to attend an exclusive site visit

## Who Should Attend:

Leading power generation companies, oil refining and petrochemical industry including: managers, directors & engineers of gasification, biomass or clean coal technology, power generation, processing technologies, R&D and new technologies, renewable strategy, sustainable technologies, environment and CO2 managers, CTOs, COOs as well as business development executives from technical service providers, consultants and regulators.



Gasification 2015, Prague

## Registration is Simple:

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 (0)203 141 0606

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

 <http://www.acius.net>

 Postal Address:

 ACI Europe, 5/13 Great Suffolk Street, London, SE1

## DAY 1

Wednesday 15th March 2017

08:00 **REGISTRATION & COFFEE**

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

09:15 **CONFERENCE PRESENTATION**

### Drivers for the Gasification Industry—EU Regulations, Directives and Energy Demand

- Status of transportation fuel production in EU through gasification.
- Updates on Circular economy package in EU
- The response of regulators to the air pollution and climate change issues caused by CO<sub>2</sub> emissions
- Finding a concept for an economical use of biomass in the energy mix.
- Subsidies to compete with biogas price



Susanna Pflüger  
Secretary General  
European Biogas Association

10:00 **CONFERENCE PRESENTATION**

Presentation title to be confirmed



Luis Sanchez  
CEO  
EBIOSS Energy & EQTEC Iberia

10:45 **MORNING REFRESHMENTS**

11:15 **CONFERENCE PRESENTATION**

### Four years of operational experiences of a 140 MW CFB Gasifier

- Present Vaskiluoto CFB Gasification Plant
- Present Operational experiences
- Present plant performance
- Present conversion impact on PC boiler operation
- Present conversion impact on plant emissions

Juhani Isaksson

Director, Gasification Technology  
Valmet

12:00 **CONFERENCE PRESENTATION**

Presentation title to be confirmed



Juan Jose Hernández  
CEO  
Greene

12:45 **LUNCH**

14:00

## ROUND TABLE DISCUSSIONS

- Roundtable discussion focusing on the key products coming from gasification applications. Discussion will focus on where gasification is going, towards E-production, Chemicals production or a mix, what is desired, what is economically viable, market opportunities and business models in place
- Biomass/Waste for transport fuels opportunities via gasification, how do we get demonstration plants?



Christiaan Van Der Meijden  
Process & Mechanical Engineer  
Biomass Energy Engineering

- Bio-Chemicals via gasification
- Bio-Methane demonstration plants and status updates

Björn O. Gillberg  
CEO

VärmlandsMetanol AB

- Gasification as a suitable and flexible technology for power production to stabilize the grid



Bram van der Drift  
Chief Technology Officer  
SYNOVA POWER

15:15

## AFTERNOON REFRESHMENTS

15:45

**CONFERENCE PRESENTATION**

Presentation title to be confirmed

Anton Larsson  
Development Engineer  
Göteborg Energi

16:30

**CONFERENCE PRESENTATION**

Presentation title to be confirmed



Renzo Di Felice  
Prof. at Chemical Engineering Dept  
Genova University

17:15

**CLOSE OF DAY ONE & EVENING DRINKS RECEPTION**



## DAY 2

Thursday 16th March 2017

08:30 **REGISTRATION & COFFEE**

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

09:05 **CONFERENCE PRESENTATION**  
**Future of Gasification: How to Deal with Low Oil Prices?**

- Progress update on operational & planned coal and refinery residues gasification projects
- How gasification units can be competitive with present low cost of Natural Gas and oil?
- Gasification of low rank, high ash coals and lignite



**Thomas von Kossak**  
Technology Manager Gas/Oil  
Gasification & Hydrogen  
**Shell**

09:50 **CONFERENCE PRESENTATION**

**Presentation title to be confirmed**

**Bjorn Heijstra**  
Director, Process Validation  
**LanzaTech**

10:35 **MORNING REFRESHMENTS**

11:05 **CONFERENCE PRESENTATION**

**Presentation title to be confirmed**

**Esa Kurkela**  
Senior Principal Scientist Gasification  
Technologies  
**VTT Technical Research Centre of Finland**

11:50 **CONFERENCE PRESENTATION**  
**Performance of the 32 MW GoBiGas gasifier and implications for larger units**



**Henrik Thunman**  
Professor, Energy And Environment  
**Chalmers**

12:35 **LUNCH**

13:45 **CONFERENCE SESSION SIX: Latest Gasification Breakthrough Technologies**

- Understand which technology will benefit the gasification industry more
- The contribution of syngas in the production of transportation renewable gas yield
- Gasification application in industry as substitute to fossil fuels such as Lime kilns in pulp industry
- Use of hydrocarbons for base chemicals
- Hybrid systems of the future
- The potential for gasifying shale oil products

**Presentation title to be confirmed**



**Berend J. Vreugdenhil**  
Innovation Manager Gasification  
**ECN**

**Experience from more than 550 installed gasification systems**

- Thermo-chemical process to convert wooden biomass into heat and electricity
- Required biomass as fuel (Chipping & Drying)
- Examples of use in Europe



**Matthias von Senfft**  
Senior Sales Representative  
**Spanner RE<sup>2</sup> GmbH**

**Mixed Alcohols Production & Economics**

- Natural gas based synthesis gas in a Gas-to-Liquids system to produce Mixed Alcohols for use as oxygenate in fuel blending or high grade chemical alcohols
- The detailed design of Standard Alcohol's first commercial plant - analysis of several syngas production scenarios, ranging from steam methane reforming to gasification, to limit the CAPEX



**Peter J. A. Tijn**  
Chief Technology Officer  
**Standard Alcohol Company of America, Inc.**

**Presentation title to be confirmed**



**Joakim Lundgren**  
Director of **Swedish Centre for Biomass Gasification & Assoc.**  
Professor, **Luleå University of Tech.**

15:45

**CHAIRMAN'S CLOSING REMARKS**

15:55

**END OF CONFERENCE & AFTERNOON REFRESHMENTS**


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

 <http://www.acius.net>

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

## Registration Is Simple

Conference (Includes Documentation Packet) 15th & 16th March 2017	£1,595.00
Documentation Packet Only	£420.00

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

For more information please call +44 (0) 203 141 0606 .

## Documentation Packet Available

We are selling the Gasification 2017 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.

## Media Partners



## 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 0606 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.