

# GASIFICATION

## 2022

9 - 10 March 2022

Lyon, France

### KEY TOPICS

- Introductory Market Overview, Drivers & Regulatory Update
- The Future of Coal Gasification
- Waste Gasification Outlook: Status and Present Developments
- Addressing Challenges and Problems to Solve in Gasification
- Comparison and Development of Various Technologies: Pyrolysis, Fischer Tropsch, etc.
- Status of Gasification Developments Worldwide
- Gasification for the Production of Chemicals & Fuels
- Discussing and Evaluating the Regulations Surrounding Gasification
- Gaining Insights into Further Applications and Gasification End-Products
- Discussing Biochemical and Biofuel Production

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FROM WASTE TO HYDROGEN

ACI's Gasification Summit 2022 will be taking place on the 9th & 10th March in Lyon, France.

ACI's 9th annual Gasification summit will once again bring together senior executives from the industry and research sectors to discuss the latest commercial and technical developments, challenges and research breakthroughs throughout the entire gasification market.

Many countries and enterprises are focusing on extensive programs on performing the research, development, and demonstration necessary to maximize the potential for gasification in the future. ACI's 9th Gasification conference will focus on the following topics: the current issues in the industry, status of gasification developments worldwide, the regulations surrounding gasification as well as biomass and waste gasification.

## EXCLUSIVE SITE VISIT:

### Gaya Platform by ENGIE



During the afternoon of **Tuesday 8th March 2022**, a limited number of conference attendees will have the opportunity to attend an exclusive site visit to the GAYA Platform in Lyon, France.

GAYA is a unique semi-industrial R&D demonstration platform for the production of biomethane from dry biomass in Europe. Its purpose is to develop an innovative, competitive and sustainable production chain for a second generation green gas: a biomethane produced from 100% renewable resources, transportable in existing networks or directly usable as fuel.

There is **no extra charge** to join a site visit, although places are limited and allocated to conference delegates on a first come first serve basis.

Therefore we should strongly suggest to book your place early to avoid disappointment.

## Speaking Opportunities:

If you would like to be considered as a speaker at the event, for a 30-45 minute presentation, please submit an abstract to **Ted Hughes** by any of the following methods:

Tel: +44 (0) 20 31410608

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



## Who Will Attend?


All ACI's events attract a targeted group of senior level executives and decision-makers from industry. Our meetings are strictly end-user focused.

Leading power generation companies, oil refining and petro-chemical 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, CTO's, COOs as well as business development executives from technical service providers, consultants and regulators

## Commercial & Sponsorship Opportunities

Gain direct access to our senior level audience and gain an increased level of visibility through branding and networking. For detailed information on sponsorship and commercial opportunities, please contact **Krisztina Szabo**:


 +44 (0)203 141 0603

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

 <http://www.acieu.net>

## Registration is Simple

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

 +44 20 3141 0606

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

 <http://www.acieu.net>

## DAY 1

Wednesday 9th March 2022

08:00 **REGISTRATION & COFFEE**

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



**Michael Hecquet**  
R&D Program Coordinator  
**Total RC on behalf of Bionext**

09:15 **CONFERENCE PRESENTATION**

**Presentation Title to be Confirmed**



**Marion Maheut**  
Process Engineer  
**Engie**

10:00 **CONFERENCE PRESENTATION**

**High Efficiency BTC Biopower:  
Opportunities in the Energy Transition**

- Introducing the new BTC concept that doubles the efficiency of biomass to power
- Outline of high value applications in the energy transition, including cost-effective carbon negative operations
- Status of the developments and commercialisation work
- Partnering opportunities

**Michael Bartlett**  
CTO & Co-Founder  
**Phoenix Biopower**



10:45 **MORNING REFRESHMENTS**

## SESSION ONE

**Waste Gasification Outlook: Status and Present Developments**

11:15

**Waste-to-Value - Syngas Production based on Variable Feedstocks**

- Biomass and MSW derived feedstocks present particular challenges for gasification and syngas handling
- SCHMIDTSCHKE SCHACK develops proprietary process technology for sophisticated gasification applications
- Experience from fossil gasification adapted for today's renewables gasification



**Nikolaus Garrels**  
Product & Sales Manager  
Gasification  
**SCHMIDTSCHKE SCHACK |**  
**Arvos GmbH**



11:35

**Waste Gasification Coupled to SOFC: Status and BLAZE Project**

- Status and potential of biomass waste use for gasification conversion systems
- Status and advancement of high temperature waste gasification conversion systems
- Fluidised bed technology, high temperature conditioning systems and the advancement of use of biomass gasification gas in SOFC
- BLAZE Project: Gasification and fuel cell lab tests and 25 kWe SOFC pilot plant



**Enrico Bocci**  
Project Coordinator &  
Associate Professor  
**Marconi University**

12:05

**Sewage Sludge Gasification for Syngas Generation Coupled with Phosphorus Recovery**

**Tobias Ginsberg**  
R&D Engineer  
**RWE Power AG**

12:50 **LUNCH**



## 13:50 CONFERENCE PRESENTATION

### Radial Gas Turbines as the Missing Link Between Gasification and the Energy Market

- The challenges of fuel derived from gasification processes
- The need for decentralized power and heat solutions from alternative fuel sources
- How radial gas turbines provide the uninterrupted power from alternative fuel
- OPRA's track record with gasification



Raymond Ongkowiyya  
Sales Engineer  
**Opra Turbines**  
An Ennergis Group Company



## 14:15 CONFERENCE PRESENTATION

### Synova Accelerating Plastic Circularity

- Plastic-to-Plastic Chemical Recycling is expected to be a huge market Synova's technology has the benefit of accepting contaminated non-pure waste plastics
- The process is similar to naphtha steam crackers and the gas is similar to gas produced by naphtha steam crackers, but the feedstock is waste, the CO2 footprint is low, and has very attractive economics



Bram van der Drift  
Chief Technical Officer  
**Synova**

## 14:45 AFTERNOON REFRESHMENTS

## 15:15 SESSION TWO

### Comparison and Development of Various Technologies

#### Gasification Value Chain à la Carte

Markus Luisser  
Head of Research Area Gasification System  
**Bioenergy 2020+ GmbH**

#### Improving Gasification Behavior of Challenging Biomass Fuels



Javier Gil  
Director of Biomass  
Department  
**CENER**

## 16:30 CONFERENCE PRESENTATION

### Prospects for Commercial Biomass Gasification in Sub-Saharan Africa

Harrie Knoef  
Senior Expert Biomass  
Gasification  
**Knoef Consultancy**

## 17:15 CLOSE OF DAY ONE

## DAY 2

Thursday 10th March 2022

## 08:30 REGISTRATION & COFFEE

## 09:00 CHAIRMAN'S OPENING REMARKS



Michael Hecquet  
R&D Program Coordinator  
**Total RC on behalf of Bionext**

## 09:05 CONFERENCE PRESENTATION

### Status of Biomass and Waste Gasification to Fuels and Chemicals Worldwide

- High level overview of the global picture in terms of operating and planned projects, including capacity projections and product
- Brief description of key operating and planned projects.
- Review of policies driving gasification developments

Cristopher Sim  
Consultant  
**E4tech**

## 09:50 CONFERENCE PRESENTATION

### Ways2H: Gasification that Works

- Creating value out of waste through a self-sustainable process
- A local, flexible, decentralized approach to waste management
- From transportable modular units to scalable stationary solutions



Jean-Louis Kindler  
CEO  
**Ways2H**



## 10:20 MORNING REFRESHMENTS

## 10:50 CONFERENCE PRESENTATION

### Presentation Title To Be Confirmed



**Berend J. Vreugdenhil**  
Innovation Manager -  
Gasification  
**ECN Part of TNO**

## 11:35 CONFERENCE PRESENTATION

### Presentation Title To Be Confirmed



**Michael Hecquet**  
R&D Program Coordinator  
**Total RC on behalf of Bionext**

## 12:20 CONFERENCE PRESENTATION

### Gasification, HTW® Technology, Advanced Methanol and Growth, Future of Biofuels



**Wim van der Zande**  
CEO  
**GIDARA Energy**

## 12:50 LUNCH

## 13:50 CONFERENCE PRESENTATION

### Sewage Sludge Gasification

- Sewage sludge generation problem
- Sewage sludge gasification as a waste treatment technology
- Sewage sludge gasification as a renewable energy for a Waste Water Treatment Plant (circular economy)
- The LIFE-DRY4GAS Project: waste water sludge solar drying for energy recovery through gasification gas



**Virginia Pérez López**  
PhD Chemical Engineering  
Energy Department  
**CEDER - CIEMAT**

## 14:35 PANEL DISCUSSION

### Discussing and Evaluating the Regulations Surrounding Gasification

- Updates on the Circular Economy package in the EU
- Overcoming challenges brought on by EU gasification regulations
- Highlighting the need for gasification funding & government support



**Henrik Thunman**  
Professor and Head of Division  
**Chalmers Research**



**Mark Sommerfeld**  
Policy Manager  
**Association for Renewable  
Energy & Clean Technology**

## 15:20 CHAIRMAN'S CLOSING REMARKS



**Michael Hecquet**  
R&D Program Coordinator  
**Total RC on behalf of Bionext**

## 15:30 END OF CONFERENCE & AFTERNOON REFRESHMENTS

## More Information and 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



<http://www.acieu.net>  
Office G.18, Central Court, 25 Southampton Buildings, London, WC2A 1AL

## Registration Is Simple

Conference (Includes Access to Documentation Pack)	£1,795.00
Documentation Pack Only	£470.00

Please Note.

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

## Documentation Packet Available

We are selling the Gasification Summit 2022 papers at just £440 (+£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

## About ACI

ACI, a UK owned company, has been running successful conferences in the USA since 1999. Headquartered in Chicago, ACI opened its European head office in London at the end of 2005 and has expanded rapidly, launching a series of events in key industries including maritime, energy, chemicals, cosmetics & pharma and opening offices in Poznan (Poland) & Pune (India).

## Thanks To Our 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.

### 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