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# LIGNOFUELS 2018

*Advanced Biofuels & Materials Conference*

**7 - 8 February 2018 Amsterdam, The Netherlands**

**With Exclusive BTG-BTL & BPF Pre-Conference Site Visits**

## KEY TOPICS:

- Advanced Biofuels & Biomaterials: European Market Overview
- Developing New and Innovative Value Chains in European Bioeconomy
- Transformation from Wood to Biofuels, Biochemical and Biomaterial
- Characterization of Oxygenates in Wood Pyrolysis Oil and Hydrotreated Pyrolysis Oils
- Feedstock Supply & Flexible Solutions for Different Types of Feedstocks
- Practical Solutions for Fully Traceable Supply Chains of Lignofuels
- Policy & Regulation: Key Developments in the EU
- Finance Session: Why Invest in Advanced Generation Fuels?
- Nordic Initiatives for Sustainable Aviation – an update Sustainable Jet and Aviation Fuel
- Innovative Approach to Biorefining with an Emphasis on Lignin Value
- Advanced Biofuels for Maritime Transport

## CONFIRMED SPEAKERS INCLUDE:



**Sari Mannonen**  
*Vice President*  
**UPM BIOFUELS**



**Andreas Gundberg**  
*Innovation Manager*  
**LANTMÄNNEN AGROETANOL**



**Gerhard Muggen**  
*Managing Director*  
**BTG BIOLIQUIDS**



**Patrick Pitkänen**  
*Head of Sales and Business Development*  
**ST1 BIOFUELS**



**Timo Huhtisaari**  
*Director of Sustainability*  
**NORTH EUROPEAN OIL TRADE**

## Sponsorship & Exhibition Opportunities:

Sam Cormack

+44(0)203 141 0626 or samc@acieu.net



## More Information & Registration:

Dimitri Pavlyk

+44(0)203 141 0627 or dpavlyk@acieu.net



# Lignofuels 2018 - Advanced Biofuels & Materials Conference

Amsterdam, The Netherlands

7-8  
February  
2018

ACI's 10th Annual Lignofuels Conference will be taking place in Amsterdam, The Netherlands on the 7-8 February 2018. The two day conference will bring together key industry stakeholders to discuss policy frameworks & innovative commercial technologies in the production of second and advanced generation biofuels.

## KEY AREAS OF FOCUS

- Advanced Biofuels & Materials: European Market Overview
- Latest Developments In Modern Biorefineries
- Advancing Pre-Treatment Processes
- Renewable Aviation and Marine biofuels
- Fuel Production Biomass Feedstocks
- Supporting Innovation In Advanced Biofuels Industry

## WHO WILL YOU MEET AT THIS EVENT?

Technical, strategic and business development executives from advanced generation biofuels producers, oil refiners, process technology providers, enzyme developers, engineering firms and agribusiness as well as traders & brokers, automotive & aviation industries, financiers, investors, consultants and chemical companies.

## PREVIOUS ATTENDEES INCLUDE:

\* Abengoa Bioenergy \* Accelergy Corporation \* Acpc02 \* ADEME \* Adewunmi Oil \* Advanced BioFuels Corp. \* Alcogroup \* Alfalaval Nordic \* Ambiensys \* American Process Inc \* Andritz \* Andritz Energy & Environment \* APPA \* ArborGen \* BASF SE \* BBSRC \* Bio Base Europe \* BioECON \* BioGasol \* Biologisk Institut \* Biotins-Energia \* Bloomberg New Energy Finance \* Borealis AB \* BP Europa SE/GFT \* BTG Bioliquids \* Chalmers University Of Technology \* Chempolis \* Chemrec \* Chromatin \* Clariant \* Cool Planet Energy \* COWI \* CTBE \* Delft University Of Technology & DSM \* DONG Energy Power \* DONG Energy Power New Bio Solutions, Inbicon \* DTU \* DuPont Danisco Cellulosic Ethanol \* DuPont Industrial Biosciences \* E.ON Biogas \* E4tech \* ECN \* Ecofys Germany \* EIB Luxembourg \* Evonik Industries AG \* ExxonMobil Research & Engineering \* Fiberight \* Fermentis Division Of S.I. Lesaffre \* Flint Hills Resources \* Fortum Power & Heat Oy \* Fraunhofer Institut Für Chemische Technologie \* Future Blends \* GEA Westfalia \* Gembloux Agro-Bio Tech Université De Liège \* Göteborg Energi \* Green Biologics \* HGCA \* Hte Aktiengesellschaft \* ICCT \* IFP Energies Nouvelles \* IHS Global \* Imperial College London \* Infinite Enzymes/Arkansas State University \* Inspectorate International Ltd \* IST \* JM Davy \* JSC Latvia's State Forests \* Karlsruhe Institute Of Technology \* KIC-InnoEnergy \* Knowledge Centre For Agriculture \* Laborelec \* Lawrence Berkeley National Laboratory \* Lignol Innovations \* M&G/Chemtex \* Mascoma Corporation \* ME3 - KTH \* Mercurius Biofuels \* Metgen \* Michigan State University \* M-real Hallein AG \* NNFFC \* Neste Jacobs Oy \* Neste Oil \* NIBC Bank NV \* NIRAS \* North Carolina State University \* Novozymes \* OMV Solutions \* OptaFuel \* Peralisi Maip SPA \* Parametrix \* Port of Rotterdam \* Poyry \* Primus Green Energy \* Pro-tista International AB \* Ramboll \* RB3 Project - Mondi SCP \* REAC Fuel \* Red Rock Biofuels \* Repsol \* Siemens Industry Software \* Sotmet Energy \* Southern Research Institute \* SQ Consult \* Statoil ASA \* Stites & Associates \* Sterne, Kessler, Goldstein & Fox \* Sulzer Pumps Finland Oy \* Sumitomo Chemical Europe \* Sunoco \* S.A./N.V. \* Svanholm.com \* Synthos Group \* TM Industrial Supply \* TNO \* Tommy Larsen ApS \* University of Applied Sciences Upper Austria, Wels \* UPM Biofuels \* UPM-Kymmene \* VALAGRO Association \* VIB & KULeuven \* VITO NV \* Volkswagen AG \* Weyland and many more...

## EXCLUSIVE SITE VISITS - Tuesday, 6th February

**BTG-BTL Empyro Pyrolysis Plant & Bioprocess Pilot Facility (BPF):** a day prior to the conference, a limited number of conference delegates will have a unique opportunity to join an exclusive site visit to either the BTG-BTL Empyro Pyrolysis Plant or Bioprocess Pilot Facility (BPF).

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

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



## SPEAKING OPPORTUNITIES:

If you would like to be considered as a speaker for the event with a 30-45 minute presentation, please submit an abstract to [Samanta Fawcett](mailto:sfawcett@acieu.net)

Tel: +44 (0)20 3141 0624

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

## OPPORTUNITIES TO MEET YOUR TARGET AUDIENCE:



Showcase your technologies to the advanced biofuels 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. For information on available sponsorship and exhibition opportunities, please contact: [Sam Cormack](mailto:samc@acieu.net) on : +44 (0)20 3141 0626 Email: [samc@acieu.net](mailto:samc@acieu.net)



## REGISTRATION IS SIMPLE:

If you would like to register for this event or wish to find out more information, please contact [Dimitri Pavlyk](mailto:dpavlyk@acieu.net)

Tel: +44 (0)20 3141 0627 Email: [dpavlyk@acieu.net](mailto:dpavlyk@acieu.net)

### DAY 1

Wednesday 7th February 2018

#### 08:00 REGISTRATION & COFFEE

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



Erik C. Wormslev  
Director Innovation  
**NIRAS**

#### 09:15 CONFERENCE PRESENTATION Advanced Biofuels & Biomaterials: European Market Overview

- Key developments in 2017
- Challenges & opportunities
- Trends



Tom Lind  
Vice President Technology  
And New Solutions, Industry  
**Pöyry**

#### 09:45 CONFERENCE PRESENTATION Biofuels Markets & Global Regulation: Influence on Local Markets & Local Market Development



Timo Huhtisaari  
Director of Sustainability  
**North European Oil Trade Oy**

#### 10:15 CONFERENCE PRESENTATION Update on the Empyro Pyrolysis Plant

- Biofuel industry possibilities with pyrolysis oil
- Reflection on RED2 requirements and possibilities within Europe



Gerhard Muggen  
Director  
**BTG-BTL**

#### 10:45 MORNING REFRESHMENTS

#### 11:30 CONFERENCE PRESENTATION BIOFOREVER: Demonstration Of The Feasibility Of A European Bio-Refinery

- BIOFOREVER is a Horizon2020 funded project, ran by 14 European companies
- It intends to demonstrate the economic feasibility of a commercial scale bio-refinery in Europe
- 4 pre-treatment technologies demonstrate the conversion of woody biomass to various chemical building blocks



Anton Robek  
CEO  
**Bio Refinery Development BV**

12:00

#### CONFERENCE PRESENTATION Innovation As A Tool For Transformation – From Wood To Biofuels, Biochemical And Biomaterial

- Case UPM: forest industry transformation from mature businesses to new innovations and bio-based businesses
- Wood-based biorefineries can pave the way to successful bioeconomy by producing renewable fuels and chemicals
- Wood-based biomaterials to replace fossil, oil-based material



Sari Mannonen  
Vice President  
**UPM Biofuels**

12:30

#### CONFERENCE PRESENTATION Hydrotreating of Catalytic Fast Pyrolysis - How Can Advanced Analytical Tools Help?

- Production of biocrudes from wood using Catalytic Fast Pyrolysis (CFP)
- Feed & product characterization using advanced tools (GCxGC, SFC, FT-ICR)
- Trends between deactivation rates and feed composition



Sylvain Verdier  
Senior Hydroprocessing  
Specialist, Strategic Marketing  
**Haldor Topsoe A/S**

13:00

#### NETWORKING LUNCH

14:15

#### CONFERENCE PRESENTATION Pretreatment of Lignocellulosic Biomass at Pilot Scale: Design Considerations vs Operational Challenges

- Insights and practical experience with piloting/scaling up



Peter Flippo  
Business Development Manager  
**Bioprocess Pilot Facility B.V.**

14:45

#### CONFERENCE PRESENTATION Redefinery - Towards New Biorefinery Business in the Netherlands

- Towards world class scale lignocellulosic biorefinery in the Netherlands
- Integrated approach for chemicals, biofuels and energy
- Building a viable consortium
- De-risking for investors and stakeholders



Willem Sedere  
Chairman Biobased Circular  
Business Platform  
Board member  
**Biobased Delta**

15:15

### CONFERENCE PRESENTATION

#### Update On Kajaani Cellulosic Ethanol Production Demonstration Plant



Patrick Pitkänen  
Director, Advanced Fuels  
St1 Biofuels Oy

15:45

### AFTERNOON REFRESHMENTS

16:30

### CONFERENCE PRESENTATION

#### Practical Solutions for Fully Traceable and Deforestation-Free Supply Chains of Lignofuels

- Certification of Sustainable Bio-based products
- Challenges of Sustainability Certification
- ISCC Solutions for Sustainable Supply Chains
- Tools for Sustainable Forest Management in Lignofuels Production



Dr Norbert Schmitz  
Managing Director  
ISCC

17:00

### CONFERENCE PRESENTATION

#### Eunergycane: Europe's Only Sugarcane Variety For The Production Of Biofuels, Chemicals, And Plastic

- Developing & commercialising the only truly european sugarcane variety



Al Costa  
CEO  
Alkol Biotech

17:30

### CONFERENCE PRESENTATION

#### Alternative Feedstocks for PLA and Bio-building Blocks

- Availability & quality of alternative feedstock sugars
- Production of lactic acid and PLA from alternative feedstock sugars
- The need for an economic biorefining process of biomass
- Creation of a new value chain: biomass to PLA

Peter Baets  
Technical Program Manager  
Corbion

18:00

### CONFERENCE PRESENTATION

Per Regnarsson  
Chairman  
CWC Biofuels

18:30

### CLOSE OF DAY ONE & EVENING DRINKS RECEPTION

## DAY 2

Thursday 8th February 2018

09:00

### REGISTRATION & COFFEE

09:30

### CHAIRMAN'S OPENING REMARKS & CONFERENCE PRESENTATION

#### Nordic Initiatives for Sustainable Aviation – an update

- Norwegian Transport Plan
- Other initiatives in the Nordic Countries
- Recommendations from the Nordic partners – NISA – Nordic Initiatives for Sustainable Aviation



Erik C. Wormslev  
Director Innovation  
NIRAS

09:45

### CONFERENCE PRESENTATION

#### Sustainable Aviation Fuels

- Latest developments in aviation industry
- Solving technical and commercial hurdles



Oskar Meijerink  
Business Development Manager  
SkyNRG

10:15

### CONFERENCE PRESENTATION

#### Increased Value from Wheat Straw to Sustainable Biofuel

- Producing a bio-oil using hydrothermal liquefaction of the lignin after ethanol fermentation of straw
- Producing both ethanol and SNG using both fermentation and gasification



Andreas Gundberg  
Innovation manager  
Lantmännen Agroetanol

10:45

### CONFERENCE PRESENTATION

#### Modern Alchemy: Waste to Value with IH2® Technology

- Converting a wide range of forest, agricultural, aquacultural and municipal residues directly into drop-in hydrocarbon fuels and blend stocks
- Technology development, economics & potential



Dr Alan Del Paggio  
Vice President  
CRI Catalyst Company

11:15

### MORNING REFRESHMENTS & NETWORKING BREAK



### 12:00 CONFERENCE PRESENTATION

#### Södra - Exporting Products from Swedish Forest on Forest-Based Fuels

- Södra's transports shall be fossil-free until 2030
- Forest is just not only the cargo - also the fuel
- Södra has made three investments in advanced biofuels: Sunpine (Tall Oil Diesel), Biomethanol, Silva Green Fuel (Biofuel from Biomass)



Henrik Brodin  
Strategic Business Development  
Manager  
**Södra Innovation &  
New Business**

### 12:30 CONFERENCE PRESENTATION



David Sudolsky  
President & CEO  
**Anellotech, Inc.**

### 13:00 CONFERENCE PRESENTATION

#### Innovative Approach To Biorefining With An Emphasis On Lignin Value

- Biorizon, The way to Aromatics
- Fabiola, ECN's low temperature organosolv biorefining technology
- Lignin value added applications in fuels and bitumen
- Value from cellulose, fibers or high purity C6 sugars?



Joop Groen  
Business Development Manager  
**TNO**

### 13:30 NETWORKING LUNCH

### 14:45 CONFERENCE PRESENTATION

#### Perspectives for Renewable Liquid Fuels in Heating

- Liquid fuels for heating: Advantages and current challenges
- Advanced renewable liquid fuels: Evaluation of possibilities and options
- Potential for future development



Tristan Suffys  
Secretary General  
**Eurofuel**

### 15:15 CONFERENCE PRESENTATION

#### Advanced Biofuels for Maritime Transport & Shipping Industries

- IMO guidelines & regulations
- Use of advanced biofuels in shipping
- Sustainability and feasibility studies



Sjors Geraedts  
Head of Innovation &  
Sustainability  
**GoodFuels**

### 15:45 CHAIRMAN'S CLOSING REMARKS



Erik C. Wormslev  
Director Innovation  
**NIRAS**

### 15:55 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 **Dimitri Pavlyk** using any of the following methods:

+44 (0) 20 3141 0627

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

<http://www.acius.net>

ACI Europe, 10 Gough Square, London, EC4A 3DE, UK

Conference Pass (Includes Access to All Documentation)  
7th–8th February 2018

£1,595.00  
(ex.Vat)

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 Dimitri on +44 (0) 20 3141 0627.

## DOCUMENTATION PACKET

You can purchase the Lignofuels 2018 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.

## WITH THANKS TO OUR 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 Dimitri Pavlyk on +44 (0) 20 3141 0627 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.

## CONFERENCE VENUE:

### Novotel Amsterdam City Hotel



Europaboulevard 10  
Amsterdam, 1083 AD