



The European Biopolymer Summit

7th & 8th December 2016, London, UK

KEY TOPICS

The Biobased Economy
Growing Biobased markets across the globe
Practical strategy building for the future
Next Generation Biopolymers
Pioneering technologies & commercialization
Overcoming investment barriers

SPEAKERS

Christian P. Lenges, DUPONT
Elena Benedetti, AEP Polymers
Urs J. Hanggi, Biomer
Pöyry Management Consulting

For Commercial Opportunities:

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For Information & Registration:

Mohammad Ahsan | Tel: +44 (0)203 141 0606 | Email: mahsan@acieu.net



The European Biopolymer Summit 2016

7th & 8th
December
2016

London, UK

The Conference

Non-biodegradable plastics and polymers have become the material of choice in the modern world, and there is evidence of vigorous R&D activities to discover, develop, and commercially produce degradable biopolymers to replace these traditional plastics. But the reality is that biopolymers are still in the early stages of development and considering them as an alternative for the current commercial products is too improbable. Because biopolymers originate from plants, they can be utilized in a variation of sectors. In recent years, there has been a marked increase in interest in biodegradable materials for use in packaging, agriculture, medicine, and other areas. In particular, biodegradable polymer materials (known as bio composites) are of interest.

Biopolymers Europe 2017 will be taking place in **London, UK**, on the **7th & 8th December 2016**. The two day event will aim to bring together leading academic scientists, researchers and bioplastic manufacturers to exchange and share their experiences and research results on all aspects of Bioenvironmental Polymer Engineering. It also provides a unique platform to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the sector.

Confirmed Topics for Discussion:

- ◇ **Growing Global Bio based Markets: Blends, Applications, Limitations & Bio Refining**
- ◇ **Composite Materials Development: Lessons Learned and Future Challenges**
- ◇ **Future perspectives and advances in processing & application of polymers**
- ◇ **Polymer fundamentals: the best performing features of the design and properties of biodegradable polymers**
- ◇ **The Bio based Economy – Meeting the Needs of All Parties: Achievements & Obstacles**
- ◇ **Next Generation Polymers: Biopolymers with Advanced Functionalities for High Performance Applications**
- ◇ **Pioneering New Processes & Technologies**

Call For Papers

If you would like to be considered as a speaker at the event for a 20-45 minute presentation, please submit an abstract for consideration to:

Chloe Wates +44 203 141 0638 / cwates@acieu.net

Who Will Be Attending?

This inner circle conference is a must attend event for bio based manufacturing executives interested in learning how to most efficiently uniting collaborations across the entire bioplastic value chain to come together to learn more about the innovations emerging in a host of markets.

Director of R&D. Director of Materials & Manufacturing Advanced Programs, Advanced Manufacturing, Engineering, VP technology

Registration Is Simple

If you would like to register for this event or wish to find out more information, contact Mohammad Ahsan:

+44 (0) 203 141 0606 or mahsan@acieu.net



Commercial & Sponsorship Opportunities

With leading companies and organisations from the Bio-based industry attending and speaking at our event, we have the perfect vehicle to provide outstanding exposure to a senior level audience.

There are varying sponsorship packages available, including sponsorship of a cocktail reception on the first evening of the event and sponsorship of a networking lunch.

For further details, please contact:



Timothy Rowley—Evans

+44 203 141 0637/ trowleyevans@acieu.net

DAY 1

Wednesday 7th December 2016

08:00 **REGISTRATION & COFFEE**

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

09:05 **SESSION ONE**
Determining the Direction for Biopolymers & Meeting Increasing Demand

An overview on recent trends and emerging perspectives including significant developments in terms of novel design strategies and engineering and exploring where environmental policy is going

- The producer's perspective

Brendan Hill
Commercial Renewable Chemicals Europe
Braskem

- How to Stay in the UK Market in a Post-Brexit World?

11:05 **MORNING REFRESHMENTS**

11:35 **SESSION TWO**
Growing Global Biobased Markets: Playing a Broader Role in the Industry

Recent advances and future trends blends, applications, limitations & biorefining - segmented on the basis of various applications and covers the market demand with respect to different regions. Latest applications and techniques in these areas and the impact and availability of oil

Biopolymers playing a broader role in industry with the given example of textiles

Pirkko Koski
Executive Assistant
Pöyry Management Consulting Oy

12:30 **VALUE CHAIN PANEL DISCUSSION**
The Biobased Economy – Meeting the Needs of All Parties

Discussing new methodologies and a framework for longer-term expansion for larger scale production and related commercial activities. Homing in on the actions needed by stakeholders throughout the value chain to communicate and identify the best options for innovation and implementation.

- Proposed actions to support the development of a bio-based economy

13:30 **LUNCH**

14:30

CONFERENCE PRESENTATION

Sustainable Supply Chains Implementation for Bio-based Polymers

- Challenges of sourcing deforestation-free and sustainable feedstocks used in the production of bio-based polymers
- ISCC solutions for the sustainability of bio-based polymers (co-processing technology, chain of custody options, claims) + case studies
- Deforestation-free raw material through latest remote sensing data and innovative tools

Dr Emanuele Novelli
ISCC System GmbH
Meo Carbon Solutions GmbH

15:15

CONFERENCE PRESENTATION

BioMaterial Innovation: Enzymatic Polymerization as Platform Technology

DuPont continues to execute on the commercialization and development of a leading portfolio of Biomaterials innovations. This presentation will focus on a novel biotechnology enabled polysaccharide based material platform

- Key aspects with regard to material design, process control and overall sustainability will be discussed
- First examples of key partner driven application development programs will highlight the application potential for these new materials

Christian Lenges
Business Development Manager
Dupont

16:00

AFTERNOON REFRESHMENTS

17:00

ROUNDTABLE

Lessons Learned and Preparing for Future Challenges

In this session we shall address the practical need for strategy building to prepare for the road ahead. Each table will be lead by a senior representative and will devise a strategy to present to the other table

Table one (Biodegradables)

Table two (Biobased)

18:00

CLOSE OF DAY ONE

DAY 2

Thursday 8th December 2016

08:30 **REGISTRATION & COFFEE**

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

09:05 **PANEL DISCUSSION**

Applications and Commercialization of Biopolymers and Bio-based Polymers

Discussing the main drivers and barriers for commercialisation with considerations towards:

- Sustainable value creation
- The price/performance challenge
- Pioneering new process technologies

Dr. Jacco van Haveren

Programme Manager Biobased
Chemicals and Fuels

Wageningen UR/Food and Biobased

Patrick Zinnermann

Director Marketing & Sales
FKuR Kunststoff GmbH

09:45 **CONFERENCE PRESENTATION**
THE CERTIFICATION PROCESS

Identifying criteria for the approval process & test requirements

10:30 **MORNING REFRESHMENTS**

11:00 **SESSION THREE**

Next Generation Polymers: Biopolymers with Advanced Functionalities for High Performance Applications (Part one)

Development and validation of biopolymers with advanced functionalities

The properties of our PHB based resins that can be considered as "thermoplastic concrete" because of their crystallinity.

Urs J. Hanggi

Biomer

A new-to-the-world, biomaterial platform based on "engineered polysaccharides" that will enable a series of value added application developments across multiple industries.

Christian P. Lenges

Business Development Manager

Dupont Industrial BioSciences

12:30 **LUNCH**

13:30

Next Generation Polymers: Biopolymers with Advanced Functionalities for High Performance Applications (Part two)

The development of new polymers (non-biodegradable) from renewable resources and their application in industrial processes/products (fiber-reinforced composites and polyurethane foams).

Elena Benedetti

Product Application

AEP Polymers Srl

Development and Characterization of Thermoplastic Materials Based on Polyvinyl Alcohol and Achira (Canna Edulis) Starch

Vladimir Valle Alvarez

Research Lead

Polymeric Research Center of National Polytechnic School

A comparison on various routes to produce acrylic acid (which is used to make coating resins and superabsorbent for example). Several of those routes include the use of biomass as starting materials. Although biobased acrylic acid is not yet available on the market this presentation explores the

Jean- Luc Debois

Directeur Scientifique

ARKEMA

Emerging Polymer Technologies Including (but not limited to) Nanotechnology for Bioplastics: Opportunities, Challenges & Strategies

In this session, the current situation of these novel materials are described together with the challenges faced and possible strategies to overcome some of the pending issues in this potentially world changing r&d area.

European standardization in nanotechnologies and relation with International work. How standardization can help industry and regulators in developing safe products?"

Patrice Conner

Senior Project Manager In Standardization
AFNOR

14:40

CONFERENCE PRESENTATION

Life Cycle Assessment (case study)

Analyzing the environmental aspects and potential impacts associated with a particular chosen product case study that considers the stages from the extraction of the raw materials from nature that are input into the production system to the manufacturing of the final product

16:50

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 **Mohammad Ahsan** using any of the following methods:

+44 (0)20 3141 0606

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) 7th & 8th September 2016	£1,495.00 (ex.Vat)
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 Biopolymers Europe 2016 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.

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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)20 3141 0606 for more information.

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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.