

THE 2018 EUROPEAN THERMOPLASTIC COMPOUNDING SUMMIT

**ALIGNING RAW MATERIAL SUPPLY-DEMAND
IMBALANCES AND ALTERNATIVES FOR
BIO-BASED AND BIO-DEGRADABLE MATERIALS**

**21 - 22
NOVEMBER**
**DUSSELDORF
GERMANY**

Solving the issue of raw material supply

Achieving the right balance between
compounds available and existing
applications

Thermoplastics for the automotive industry

Changing the perception of plastic on the
global market

Bio-based plastic and Bio-degradable
Compounds

Technological innovations facilitating the
production process

For Commercial Partnership Opportunities, contact: Sam Cormack
on +44 (0)20 3141 0626 or e-mail: samc@acieu.net



ACI's 2018 European Thermoplastic Compounding Summit will bring together senior executives and experts of its key market stakeholders. Based on the stakeholders' challenges, the two day gathering will discuss the optimum way of securing a stable supply of raw materials in a most challenging industry. The summit will focus on the critical issues causing instability and shortages of raw material, the effects on client liaison and the best means available to minimize its negative impacts. The programme will include topics on the growing demand of new applications for thermoplastics and specifically the current impact caused by e-mobility transition on manufacturing automotive components and other industrial products demanding additional compounding feedstock. The two-day gathering will examine the need for latest innovations of technology and solutions to redefine plastic, due to its novel purposes, and to further the development of new applications based on environmentally friendly compounds.

Confirmed Topics for Discussion:

- Solving the issue of raw material supply
- Cost implications from scarcity of base polymers
- Achieving the right balance between compounds available and existing applications
- Thermoplastics for the automotive industry
- Changing the perception of plastic on the global market
- Bio-degradable Compounds
- Technological innovations facilitating the production process
- Innovative thermoplastic structural components to replace metal based ones

Who Will Attend:

Senior representatives from thermoplastic compounders, additives and masterbatch suppliers, compounding technology providers, consultants and market analysts from the plastic processing industry, chemical and plastic manufacturers' associations, component manufacturers from the automotive and packaging industries, will be looking to analyse the current challenges and developments making an impact on the industry and identify the ideal solutions to overcome them and reap the most benefits.

Why you should attend:

- Hear from high profile speakers sharing their knowledge and expertise on overcoming the modern production challenges and the opportunities awaiting to be exploited
- Discover the latest technology innovations facilitating the production of thermoplastics
- Network with industry leaders from the value chain of thermoplastic compounding to learn about new applications for engineered plastic and further develop your market potential

Commercial Partnerships



For information on available commercial partnership opportunities, please contact **Sam Cormack**:
Tel: +44 (0)20 3141 0626 or
Email: samc@acieu.net

Registration is Simple:

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

 +44 203 141 0640

 jayme@acieu.net

 <http://www.acius.net>

 Postal Address:
ACI Europe, 10 Gough Square, London, EC4A 3DE

DAY 1

Wednesday 21st November 2018

08:00 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING REMARKS



Dr Adam Galambos
Director of Technology - Europe
Washington Penn Plastic

09:15 CONFERENCE PRESENTATION

Plastic recycling as raw material supply in context of circular economy - Challenges, opportunities and limitations

- Status of plastic recycling – the EU directive and its consequences
- Plastic recycling as equivalent raw material supply
- Turning challenges into opportunities – outlook, needs and demands



Dipl. Ing. Dr. Andreas Witschnigg
Head of R&D and Quality Management
Kruschitz Plastics & Recycling GmbH

10:00 CONFERENCE PRESENTATION

Who moved my 6.6?

- Some strategies to overcome raw material shortage



Pasqual Casabo Escrig
Quality and Operations Director
Repol, S.L.

10:45 MORNING REFRESHMENTS

11:15 CONFERENCE PRESENTATION

Circular plastics from e-waste

- Opportunities and challenges for circular materials
- Practical examples of applications with circular plastics



Tessa Slagter
Plastics Manager
Coolrec

12:00 CONFERENCE PRESENTATION

Latest developments in electrically and thermally conductive compounds

- Description of current market trends and resulting requirements for compounds

- Introduction into technical concepts for designing application specific materials
- Presentation of selected application examples



Dr Oliver Frey
Head of Compounding
Ensinger GmbH

12:45 LUNCH

13:45 CONFERENCE PRESENTATION

Compatibilisation - the best way to manage mixed polyolefin waste streams

- More plastic packaging and auto waste is made up of mixed polyolefins. In packaging they are often combined in complex structures
- Two of the main polyolefins, PP and HDPE are immiscible and when extruded or injected as a mix, offer poor mechanical properties
- EU recycling targets are very aggressive and hitting those ambitious targets requires new technologies to ensure all sources of plastic waste are managed and utilised but sorting cannot separate some of these mixed plastics.
- ImerPlast's unique, mineral based compatibiliser offers compounders the opportunity to transform some of the lowest value polyolefin waste into compounds fit for high value applications that displace virgin resin.
- How the product works and examples of applications served by compounds made with this compatibiliser.



Tarquin Crouch
Technical Services and Market Development Manager
ImerPlast

14:30

CONFERENCE PRESENTATION

Status of Bio-based Plastics and Composites for Thermoplastic Compounding

- Bio-based polymers (drop-in)
- New bio-based polymers
- CO₂-based polymers
- Biodegradable plastics
- Biocomposites



Dr Asta Partanen
Wood and Bio-based Materials Scientist
nova-Institut GmbH

15:15

AFTERNOON REFRESHMENTS

15:45 CONFERENCE PRESENTATION
Tear-Resistant, Biodegradable /Compostable and Flexible Films by Blown Film Extrusion



Prof Andrea Lazzeri
Department of Civil and
Industrial Engineering
University of Pisa

SESSION ONE

Thermoplastics for the automotive industry

- Assessing the impact level on base materials needed for component manufacturing due to the transition to electric vehicles
- Analysing the unique traits required by vehicle components and the optimum production route to achieve desired quality standards
- Evaluating and rating the additives available that can meet desired traits for new applications

New high performance engineering plastic solutions for Light Weighting, E-mobility and/or Connectivity in Automotive

- Various new solutions in high performance plastics for Metal-to-Plastic conversion will be presented as part of the quest for Light Weighting
- Opportunities for engineering plastics in Battery Electrical Vehicles and/or Hybrid Electrical Vehicles will be highlighted
- Connectivity as demand booster for more plastics on board of light vehicles will be elucidated accordingly



Bert Havenith
Strategic & Market Intelligence Director
DSM Engineering Plastics

Presentation title to be confirmed



Massimo Veronelli
Director of Strategy and Marketing
Sirmax SpA

PANEL Q&A

CLOSE OF DAY ONE

09:05 CONFERENCE PRESENTATION
Inline measurement of electrical conductivity

- Why in-line characterization?
- Correlation of in-line Vs. off-line measurements
- Influence of Compounding parameters in electrical resistance.



Raquel Llorens Chiralt
Senior Researcher
AIMPLAS

09:50 CONFERENCE PRESENTATION
New methodology and Material solutions in Polymer Blends

- New method to determine the evolution of chemistry, rheology and morphology in PA / PO blends along the screws of a twin screw extruder
- Lotader® AX as impact modifiers in thermoplastic polyesters and compatibilizer in PET / PE blends.



Dr Jean-Jacques Flat
PA Research Director Europe
Arkema

10:35 MORNING REFRESHMENTS

11:05 CONFERENCE PRESENTATION
New bio based plastic compounds arise the potential for technical applications

- Introduction to bio-wording, understanding what bio-degradable and bio-based stand for
- Advanced process strategies to produce bio based polymers
- Two routes to achieve high potential biopolymer systems: (A) Formulation and (B)
- Potential applications for the bio based systems



Kevin Moser
Senior Researcher
Fraunhofer Institute for Chemical Technology - ICT

DAY 2

Thursday 22nd November 2018

08:30 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING REMARKS



Dr Adam Galambos
Director of Technology- Europe
Washington Penn Plastic

11:50

CONFERENCE PRESENTATION

Importance of compounding in biopolymer material development

Gerald Schennink
Senior Research Scientist
Wageningen University & Research

12:35

LUNCH

13:35

CONFERENCE PRESENTATION

Lighter, stronger, versatile - heading for new shores

- Positioning of longfiber reinforced plastics
- How to achieve maximum mechanical properties
- Structural parts offering excellent surfaces



Goran Brkljac
Head of Technical Service Center
Ter Plastics Polymer Group

14:20

CONFERENCE PRESENTATION

Plastics vs. Metal for Weight, Heat, and Shielding Challenges

- Key benefits of plastics over metals and typical applications for metal replacement
- Meeting the light-weighting and shielding demands driven by vehicle electrification
- Helping designers to effectively and efficiently replace metal with plastics



Charles Page
Technology Director, Specialty
Engineered Materials EMEA and India
Polyone

15:05

CHAIRMAN'S CLOSING REMARKS



Dr Adam Galambos
Director of Technology- Europe
Washington Penn Plastic

15:15

END OF CONFERENCE & AFTERNOON REFRESHMENTS

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Registration Is Simple

**Conference (Includes Access to Documentation Pack)
21st & 22nd November 2018**

£1,595.00

Documentation Pack Only

£470.00

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 0640.

Documentation Packet Available

We are selling the 2018 European Thermoplastic Compounding papers at just £445 (+£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, 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).

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 0640 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.