

13-14 NOVEMBER 2019
DUSSELDORF, GERMANY

THE 2019 EUROPEAN THERMOPLASTIC COMPOUNDING SUMMIT

Technical Advancements, Consumer Trends and Sustainability Objectives Shaping Opportunities for the Thermoplastic Compounding Industry

Key Topics

- Examining uses of Thermoplastic Compounds across Industries
- Trends in the Automotive Industry Shaping Opportunities for Compounds
- New & Innovative Properties of Polymers
- Breakthrough for Development in Fuel Cell Production
- Logistics and Processing Technologies
- Overcoming Supply Chain Challenges
- Improving Recycling in the Plastics Industry
- Political Economy and its Impact on Plastic
- The Role of Compounding in the Circular Economy
- Enhancing Public Perceptions of Plastics
- Thermoplastic Compounding to Reuse Waste Carbon Fibres
- Bio-Based Options for Thermoplastic Compounding



For sponsorship and exhibition opportunities please contact:
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 Active Communications International

ACI's 2019 European Thermoplastic Compounding Summit will bring together senior executives and key stakeholders of the thermoplastic compounding industry for two days of in-depth presentations, interactive sessions and fantastic networking opportunities.

The summit will explore the latest uses of thermoplastic compounding and how consumer trends are shaping demand and innovation. Our expert speakers will discuss new developments in novel properties of polymers and address how to overcome supply chain imbalances.

In line with growing environmental concerns and the subsequent effect on the plastics industry, the conference will analyse the role thermoplastic compounding plays in the Circular Economy and the opportunities for bio-based polymers.

Confirmed Topics for Discussion:

- Examining uses of Thermoplastic Compounds across Industries
- Trends in the Automotive Industry Shaping Opportunities for Compounds
- New & Innovative Properties of Polymers
- Breakthrough for Development in Fuel Cell Production
- Logistics and Processing Technologies
- Overcoming Supply Chain Challenges
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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:

- Network with senior representatives from the thermoplastic compounding industry, share ideas and build new business contacts
- Learn about the latest advancements in thermoplastic compounding and the new properties of polymers being developed
- Engage with the environmental progress being made in the industry and how compounding plays a part in this


Commercial Partnerships



For information on available commercial partnership opportunities, please contact: **Hassan Gani**
+44 (0)20 3141 0617 h.gani@acieu.net

Registration is Simple:

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

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

DAY 1

Wednesday 13th November 2019

08:00 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING REMARKS



Adam Galambos
Director Of Technology Europe
Washington Penn Plastics

09:15 CONFERENCE PRESENTATION Cross-industry analysis of trends in thermoplastic compounds: Motion, Industrial, Consumer

Karl Schnetzinger
Managing Director
Advanced Polymer Compounds

10:00 CONFERENCE PRESENTATION Bringing Industry Together to Overcome Regulatory Challenges

- REACH horizon scanning - predicting future challenges regarding regulatory developments at EU level
- ECHA's proposal for microplastics restriction - working together with industry stakeholders and associations
- Titanium dioxide exposure - collaboration to develop a harmonized monitoring model
- EuMBC's collaborative solutions to overcome regulatory challenges



Sebastian Lemp
Communications Executive
European Masterbatchers and Compounds

10:45 MORNING REFRESHMENTS

11:15 CONFERENCE PRESENTATION Trends in the Automotive Industry Shaping Opportunities for Compounds

- Examining autonomous driving leading to development of compounds with sensing technologies and electromagnetic shielding
- Exploring electro-conductive polymers necessary for electric vehicles
- Growth of low-emission vehicle sector and its impact on demand for lightweight compounds and low-emission resin



Peter Torma
Managing Director
Inno-Comp

12:00 CONFERENCE PRESENTATION

Light weight lighting – Thermoplastic solutions

- The automotive industry faces challenging CO2 fleet targets for passenger vehicles.
- Weight efficiency is crucial for LED exterior lighting to achieve Eco-innovation status and help avoid CO2 penalties.
- Application of light-weight fillers in thermoplastics for lighting component heatsinks and housings can significantly reduce weight and therefore save emissions.



Alexander Neustadt
Project lead – Body Exterior Lighting
Ford

12:45 LUNCH

SESSION ONE

New & Innovative Properties of Polymers

- Opportunities for additive and masterbatch producers
- **Challenging the Boundaries in Thermally Conductive and Electrically Conductive Polyamides**
- Plastics made big revolution on material science
- In smart material applications, electrically and thermally conductive plastic material will play significant role due to their extraordinary properties
- Thermal management play important role in electric –electronic applications due to miniaturation or metal replacement because material become smaller, more electronic and need more power
- Compared metals, thermal conductive product show lower cycle time and less processing steps

13:45



Mehmet Kaya
R&D Project Manager
eurotec Engineering Plastics

14:15

Flame retardancy of thermoplastics: Strategies and challenges

- Choice of flame retardant additives for different polymer types
- Nanoparticulate versus microparticulate flame retardants
- Flammability requirements for commercial applications and lab scale testing

John Ebdon
Research Professor
University of Bolton

14:45

Panel Q&A

15:00 AFTERNOON REFRESHMENTS

15:30 CONFERENCE PRESENTATION

XIBOND™ Blend optimizers - Exploring progress in the optimization of engineering plastics blends

- Presentation is for Polyscope's XIBOND range, these additives can be added to optimize different polymer blends.
- Ardy will explain the different functionalities within the XIBOND range, with the benefits within this portfolio.
- There are many opportunities with the XIBOND range to upgrade recycled and virgin plastic and some examples will be discussed during the presentation.



Ardy Doelen
Sales & Business Development
Manager
Polyscope Polymers

16:15 CONFERENCE PRESENTATION

PA66 supply chain // shortage resolution, global & regional approaches

- Coping with challenges regarding the availability of raw materials, polymers, stabilisers

Christelle Staller
Sales Director, Europe
Ascend Performance Materials

17:00 CLOSE OF DAY ONE

DAY 2

Thursday 14th November 2019

08:30 REGISTRATION & COFFEE

09:00 CHAIRMAN'S OPENING REMARKS



Adam Galambos
Director Of Technology Europe
Washington Penn Plastics

09:05 CONFERENCE PRESENTATION

Plastics - A Love/Hate Story

- Facts and Emotions - Where we are
- Technologies and Initiatives - An Overview
- Assessment and Outlook



Heinrich Lingnau
Senior Advisor
JF thirteen Consulting

09:50 CONFERENCE PRESENTATION

Improving Recycling in the Plastics Industry

- The recycling of plastics is undergoing a revolution with a growing demand for high quality post-consumer recycled plastics.
- The pathway to the circular economy is blocked by the old way of creating products and the mechanisms of materials of collection and recycling.
- How can technology unlock the potential built into plastics materials that have been designed to last for centuries without impacting the planet?
- Nextek's solutions to barriers in the recycling industry.
- An agenda for action.



Dr Jonathan Mitchell
Projects Manager
Nextek Ltd

10:35 MORNING REFRESHMENTS

SESSION TWO

The Role of Compounding in the Circular Economy

11:05

Introduction of eco-positive compounds with recycled content to operate within a Circular Economy



David Bucknall
Professor Of Materials Chemistry
Heriot-Watt University

11:35

The Role of Compounding in the Circular Economy

- Educating Original Equipment Manufacturer and end-consumers to differentiate the various status of a compound raw material (Virgin, Bio-based, Bio-degradable, Recycled,
- Discussing ways to enable industrial users and end-consumers to see the necessity of plastics regeneration.
- Showcasing steps the compounding industry is taking to improve the environmental impact of thermoplastics : example RGN by Agiplast



Pierrick Cassin
General Manager
Agiplast

12:05

Panel Q&A

12:20

CONFERENCE PRESENTATION

Intelligent Carbon Fibers for Reinforced Engineering Thermoplastics

- AKROMID ICF and PRECITE ICF –
- Industrial-source side-streams of carbon fibers are used in compounding and in making of structural car-components.
- Physical properties
- Applications
- Perspectives

Günter Prautzsch
Business Development Manager
AKRO-PLASTIC GmbH

13:05

LUNCH

SESSION THREE

Bio-Based Options for Compounding

14:05

Halogen-Free Flame Retardants based on lignin derivatives. Processing challenges and performance

- Why bio-based FR?
- Exploring new sources of flame-retardants
- FR
- Fire performance evaluation of bio-based FR



Vanessa
Gutiérrez Aragonés
Compounding Dpt
AIMPLAS

14:35

Compounding bio-based plastics and composites: challenges and developments

- Additivation of bio-based plastics
- Processability of bio-based plastics and composites
- Recyclability of bio-based plastics and composites



Paula Sarsama
Senior Scientist
VTT

15:05

Panel Q&A

15:20

CHAIRMAN'S CLOSING REMARKS



Adam Galambos
Director Of Technology Europe
Washington Penn Plastics

15:30

END OF CONFERENCE & AFTERNOON REFRESHMENTS

2019 European Thermoplastic Compounding Summit

Dusseldorf, Germany

13th-14th
November
2019

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Registration Is Simple

Conference (Includes Access to Documentation Pack)
13th & 14th November 2019

£1,695.00

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) 20 3141 0606

Documentation Packet Available

We are selling the 2019 European Thermoplastic Compounding 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 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).

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