

MONDAY, OCTOBER 4, 2021

All times EST USA

7:00 AM

CONFERENCE OPENS / REGISTRATION

8:30 AM

WELCOME REMARKS: Conference Co-Chair, **Neil Fuenmayor**, LyondellBasell

8:40 AM

KEYNOTE INTRODUCTION: **Neil Fuenmayor**, LyondellBasell

8:45 AM

EXECUTIVE KEYNOTE: **Changing World, Changing Needs, Changing Materials**, **Dr. Cynthia Flanigan**, Ford Motor Company

9:15 AM

KEYNOTE INTRODUCTION: **Neil Fuenmayor**, LyondellBasell

9:20 AM

KEYNOTE: **The Future of Mobility**, **Mark Barrott**, Plante Moran

9:50 AM

TECHNICAL PROGRAM HIGHLIGHTS: **Dr. Norm Kakarala / David Helmer**, General Motors Co. / **Dr. Alper Kiziltas**, Ford Motor Co.

10:05 AM

VIRTUAL NETWORKING BREAK

TRACK-I

MATERIALS DEVELOPMENT

Mark Jablonka, Dow
Peter Glenister, LyondellBasell
Catherine Wilson, Ford Motor Company

TRACK-II

SURFACE ENHANCEMENTS & COATINGS

Dr. Rose Ryntz, Ryntz Associates
Jeff B. Crist, Ford Motor Co.
Jim Keller, Mankiewicz Coatings, LLC

TRACK-III

INTERIOR APPLICATIONS & LAMINATING ADHESIVES

Dr. Pravin Sitaram, Haartz Corporation
Austin Wagenhals, Ford Motor Co.
Hoa Pham, Freudenberg Performance Materials

10:15 AM

TALC: An Active Ingredient for Polymers Modification Towards Lightweighting Approach
Piero Ercoli, ImiFabi

The Evolution in Surface Enhancements for Automotive Plastics
Dr. Rose Ryntz, Ryntz & Assoc.

TPO and TPE Opportunities in Smart / Electric Vehicle Auto Interiors
Robert Eller, Robert Eller Associates LLC

10:50 AM

New Innovative Concentrate Solutions for Automotive Applications
Brian Hanrahan, Celestial Minerals

The Evolution of Flame Surface Treatments in Defiance of Conventional Wisdom
Jamie Brynolf, FTS Technologies

Lightweight Low Force Tearing (LFT) TPO for Foam in Place Applications
J. Ryan Bailey, Continental

11:25 AM

Innovative Solutions to Broaden Polypropylene Glass Fiber Filled Compounds Usage for Structural Applications
Luca Gazzola, Sirmax SpA

AD-Pro Zero™ - A Powder Slurry Adhesion Promoter
David Detzler, Clear Skies Powder Coatings

Grain Retention Improvement and Measurement for TPO First Surfaces
Dr. John O'Gara, Inteva Products LLC

12:00 PM

MID-DAY VIRTUAL NETWORKING BREAK

MATERIALS DEVELOPMENT

Polypropylene Compound for Under-The-Hood Applications
Dr. Bin Sun, SABIC

SURFACE ENHANCEMENTS & COATINGS

Approaches for Next Generation Adhesives for TPO Bonding
Arthur Cawley, Thomas P Clark, DuPont

INTERIOR APPLICATIONS & LAMINATING ADHESIVES

New Crosslinked Olefin Foam for Soft Touch Automotive Instrument Panels
Paul Sieradzki, Toray Plastics (America), Inc.

1:00 PM

Surface Appearance Improvement in Glass Reinforced Polypropylene Compounds
Alberto Prieto, LyondellBasell

Surface Enhancements with UV-Curable Organic Coatings
Timo Lindenau, Mankiewicz Coatings LLC

PP Foams for Ultra-Lightweight Automotive Interior Applications
Kevin DeGrood, Borealis Group

1:35 PM

Flame Retardant (FR) Glass Fiber Reinforced Polypropylene
Tariq Syed, SABIC

Effect of Slip Additive on TPO Wear
Kwanghae Noh, Texas A&M

The Phenotypic Properties' Effect on the Foam's Level of Light Transmittance
Keigo Shimura, Sekisui Voltex LLC

2:10 PM

Tailoring Melt Strength of PP Using an Additive
Bret Robb, Total Cray Valley

Case Studies with Silicone Masterbatch: Improvements in Flow, Mold Release, and Coefficient of Friction
Mike McCormack, Dale Zevotek, Emily Vrbensky, SACO AEI

Foamed PP Compounds for Aesthetic Automotive Interior Applications
Dr. L. Havermans, SABIC

2:45 PM

3:15 PM

VIRTUAL NETWORKING BREAK

MATERIALS DEVELOPMENT

Santoprene™ High Resilience TPV in Static and Semi-Dynamic Seals
Dr. Bhavesh Shah, ExxonMobil

SURFACE ENHANCEMENTS & COATINGS

Enabling New Materials, Properties, and Finishes with PPG's Ambient Reactive Extrusion (ARE) Additive Manufacturing Technology
Cindy Kutchko, PPG

INTERIOR APPLICATIONS & LAMINATING ADHESIVES

Biobased Polyols for Automotive Application
Wolfgang Geuking, Croda Inc.

3:30 PM

Reducing Thermal Expansion of a TPO Panel by Polyolefin Elastomer Selection
Mark Jablonka, Dow

Comparison of Analytical Methods of Volatile Organic Compounds Used in Vehicle Interior Materials
Rocco Rizzo, Bixi Cha, Jeffery Fisher, Reliable Analysis

Lightweight Thermoplastic Elastomers for Automotive Applications
Jaykm Battle, Kraiburg TPE

4:05 PM

Innovative SEBS for Improving the Key Properties of TPEs
Sherry Takagi, Asahi Kasei Corporation

New Standards: A Must for Labeling in the Plastics Industry
Jason Brownell, Polyfuse

Thermoplastic Elastomers with Antimicrobial Properties for Automotive Interior Mats
Stephen Cranney, Kraiburg TPE

4:50 PM

5:20 PM

VIRTUAL NETWORKING

6:00 PM

CONFERENCE CLOSSES FOR THE DAY

TUESDAY, OCTOBER 5, 2021

All times EST USA

7:00 AM
8:30 AM
8:40 AM
8:45 AM
9:15 AM
9:20 AM
10:05 AM

CONFERENCE OPENS / REGISTRATION

WELCOME REMARKS: Conference Co-Chair, **John Haubert**, Stellantis

KEYNOTE INTRODUCTION: **John Haubert**, Stellantis

KEYNOTE: **Innovations and Trends in Automotive Plastics**, **Dr. Sid Asthana**, Magna Exteriors

CONFERENCE SPONSOR RECOGNITION INTRODUCTION: **Dr. Sassan Tarahomi**, Alterra Holdings

PLATINUM CONFERENCE RECOGNITIONS

VIRTUAL NETWORKING BREAK

TRACK-I

MATERIALS DEVELOPMENT

Mark Jablonka, Dow
Peter Glenister, LyondellBasell
Catherine Wilson, Ford Motor Company

TRACK-II

SUSTAINABILITY, REUSE, RECOVERY, AND RECYCLE

Mike Balow, Auxin Consulting, LLC
Susan Kozora, IAC Group
Mark Allen, Dow

TRACK-III

INNOVATIONS IN PLASTICS FOR FUTURE MOBILITY

David Helmer, General Motors Company
Andrew Sanders, Borealis Compounds
Frank Schumann, Trinseo, LLC

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10:50 AM
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12:00 PM

3D Printing Advanced Materials for the Future

Dr. Jake Fallon, Braskem

The Great Plastics Distraction: How "Environmental Groups" Obsession with Plastic Has Actually Harmed the Environment
Chris DeArmitt, Phantom Plastics

Antimicrobial Materials for Mico-Mobility and Transportation Safety

Dr. Alper Kiziltas, **Zeynep Iyigundogdu**, **Basak Basar**, Ford Motor Co.

Stabilization of MIC TPO, Concepts that Can Drive Higher Performance
Nancy Cliff, BASF

Pursuit of Sustainability Through Lifecycle Thinking
Rich Helling, Dow

New Antimicrobial Polymeric Technology with Automotive Industry Applications
Amira Mull, Croda Inc

Plastics and Sustainability in 2021
Patrick Krieger, Plastics Industry

TBD
Frank Schumann, Trinseo

MID-DAY VIRTUAL NETWORKING BREAK

APPLICATIONS FOR BIOBASED MATERIALS

Dr. Alper Kiziltas, Ford Motor Co.
Akshay Trivedi, Lear Corporation
Drew Geda, Hyundai Motor Group

SUSTAINABILITY, REUSE, RECOVERY, AND RECYCLE

Mike Balow, Auxin Consulting, LLC
Susan Kozora, IAC Group
Mark Allen, Dow

INNOVATIONS IN PLASTICS FOR FUTURE MOBILITY

David Helmer, General Motors Company
Andrew Sanders, Borealis Compounds
Frank Schumann, Trinseo, LLC

1:00 PM
1:35 PM
2:10 PM
2:45 PM

A Study on Fiber Length Distribution of Glass Fibers in an Injection Molded PP Composite
Sandeep Tamrakar, Ford Motor Company

Challenges and Opportunities for Polyolefins within an Emerging Circular Economy
Geoffrey Inch, Braskem

Battery Pack Optimization with Polypropylene Materials for Next-Gen Electric Vehicles
Dave Sullivan, **John Waters**, SABIC

Blue Agave Fiber – A Lightweight and Renewable Filler for Polymer Composites
Amy Langhorst, Ford Motor Company

The Role of Plastic Additives in Improving the Properties and Durability of Recycled Automotive Plastics
Nancy Cliff, BASF

Radar Transparency of Thermoplastic Olefins (TPO's) for Bumper Fascia
Dr. Jane Lu, LyondellBasell

Viscoelastic Properties of Basalt-Hemp Hybrid Reinforced PP
Kyleigh Rhodes, Washington State University

Circular Economy Solutions: Borealis Strategy, Infrastructure for PCR and PIR Supply, Product Examples
Andrew Sanders, Borealis

Boron Nitride Enabled Cable Insulation Material
MD. Golam Rasul, University of Illinois

Hybrid Composites Based on Polysaccharides and LGF
Christian Lenges, International Flavors & Fragrances

Advanced Additive Technologies for Upcycling
Jenji Yamashita, **John Mara**, Adeka

Versatile Halogen-Free Flame-Retardant Polypropylene Composites for Lightweight Electric Car Applications
Florian Schutz, Borealis

VIRTUAL NETWORKING BREAK

APPLICATIONS FOR BIOBASED MATERIALS

Dr. Alper Kiziltas, Ford Motor Co.
Akshay Trivedi, Lear Corporation
Drew Geda, Hyundai Motor Group

SUSTAINABILITY, REUSE, RECOVERY, AND RECYCLE

Mike Balow, Auxin Consulting, LLC
Susan Kozora, IAC Group
Mark Allen, Dow

LIGHTWEIGHTING OF POLYOLEFIN PARTS

Mike Shoemaker, Borealis
Normand Miron, Washington Penn Plastic Co., Inc.
Dr. Nadeem Bokhari, Sumika Polymers NA

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4:05 PM
4:50 PM
5:30 PM
6:00 PM

VOC Analysis of Various PP Fiber Reinforced Composites Designed for Automotive Interiors
Kyleigh Rhodes, Washington State University

A Recycled Content Material Solution for TPV Applications
Edgar Gonzalez, Synesis LLC

THERMOFIL HP® High Performance Light-Weighting Polyolefins Using CAE
Nicolas Schlutig, **Hideaki Nishio**, Sumika

Hemp Fiber Filled Composites
Greg Dean, The Hemp Plastic Company

Incorporating Micronized Rubber Powder into Composites to Increase Sustainability in Automotive Applications
Annabel Sharnowski, University of Michigan

Carbon Fiber for Lightweighting
Mark Evans, Borealis

Conducting the Change Using Thermoplastics Filled with Hemp Fibers in Automotive Industry
Jean-Marie Bourgeois-Jacquet, Automotive Performance Materials

Addressing Viability of Collecting and Recycling Automotive Plastics
Andy Brewer, Plastics Industry

Light Weight Solutions for Automotive Applications
Charlie Yang, LyondellBasell

VIRTUAL NETWORKING

CONFERENCE CLOSES FOR THE DAY

AGENDA

WEDNESDAY, OCTOBER 6, 2021

CONFERENCE OPENS / REGISTRATION

WELCOME REMARKS: Conference Co-Chair, **Bill Windscheif**, Advanced Innovation Solutions, LTD

KEYNOTE INTRODUCTION: **Bill Windscheif**, Advanced Innovation Solutions, LTD

KEYNOTE: Sustainability in the Automotive Industry & Life Cycle Management Strategies for TPO,
Professor Lenny Koh, Advanced Resource Efficiency Centre (AREC), Partnership and Internationalisation
of the Energy Institute at The University of Sheffield

Dr. Alicyn Rhoades,
Plastics Engineering Technology at Penn State University - Behrend

CONFERENCE SPONSOR RECOGNITION INTRODUCTION: **Dr. Sassan Tarahomi**, Alterra Holdings

PLATINUM CONFERENCE RECOGNITIONS

VIRTUAL NETWORKING BREAK

TRACK-I

PROCESS DEVELOPMENTS

Matt Sprouse, Washington Penn Plastic Co., Inc.
Dr. Suresh Shah

TRACK-II

SUSTAINABILITY, REUSE, RECOVERY, AND RECYCLE

Mike Balow, Auxin Consulting, LLC
Susan Kozora, IAC Group
Mark Allen, Dow Performance Materials

3D Additive Manufacturing
Trevor Pruden,
Arburg

**Enabling Sustainability through Post-Consumer
Recycle Content in TPO**
Robert Mimms, Advanced Composites

Additive + Subtractive Manufacturing "Art to Part"
Jon Carlson,
GF Machining Solutions

Automotive Shredder Waste: A Marketing Challenge
Jeff Spangenberg,
Argonne NL

Laser Ablation Making Cosmetic and Functional Textures
Jon Carlson,
GF Machining Solutions

CirKular+ solutions for Plastics Recycling
Amit Desai,
Kraton

Plastic Torsional Welding
Jochen Bacher,
Telsonic Ultrasonics

Inteather™ Material Solutions for a Sustainable Future
Kevin Lyons,
Inteva Products LLC

**Dimensional Control Strategy with GF filled Semi-Crystalline PP
and PA Material Injection Mold Tool**
Taehwan Kim, Wellman

Review and Reflection
Mike Balow,
Auxin Consulting, LLC

VIRTUAL NETWORKING

CONFERENCE CLOSES FOR THE YEAR

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7:00 AM

8:30 AM

8:40 AM

8:45 AM

9:15 AM

9:20 AM

10:05 AM

10:15 AM

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11:25 AM

12:00 PM

12:35 PM

1:10 PM

3:00 PM

Revision 10.1

