

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 Co.

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 Co.

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-Mobility and Materials

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

2:10 PM

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

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

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

2:45 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 Yrbensky, SACO AEI Polymers

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

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 Industries, Inc

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, Applus 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, Polyfuzer Graphic Corporation

Styrenic Based TPEs with Superior Flow Properties for Automotive Interior Mats
Stephen Cranney, Kraiburg TPE

4:50 PM

5:20 PM

VIRTUAL NETWORKING

6:00 PM

CONFERENCE CLOSES FOR THE DAY

TUESDAY, OCTOBER 5, 2021

All times EST USA

7:00 AM

CONFERENCE OPENS / REGISTRATION

8:30 AM

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

8:40 AM

KEYNOTE INTRODUCTION: John Haubert, Stellantis

8:45 AM

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

9:15 AM

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

9:20 AM

PLATINUM CONFERENCE RECOGNITIONS

10:05 AM

VIRTUAL NETWORKING BREAK

TRACK-I

MATERIALS DEVELOPMENT

Mark Jablonka, Dow
Peter Glenister, LyondellBasell
Catherine Wilson, Ford Motor Co.

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 Co.
Andrew Sanders, Borealis Compounds

10:15 AM

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

Future Mobility Trends Affecting TPO Applications
David Helmer, General Motors Co.

10:50 AM

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

Pursuit of Sustainability Through Lifecycle Thinking
Rich Helling, Dow

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

11:25 AM

Sustainable Bio-Based Additive Reinforced TPOs for Automotive Applications
Sassan Tarahomi, Alterra Holdings

Plastics and Sustainability in 2021
Patrick Krieger, Plastics Industry Association

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

12:00 PM

MID-DAY VIRTUAL NETWORKING BREAK

APPLICATIONS FOR BIOBASED MATERIALS

Dr. Alper Kiziltas, Ford Motor Co.
Akshay Trivedi, General Motors Co.
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 Co.
Andrew Sanders, Borealis Compounds

1:00 PM

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

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

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

1:35 PM

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

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

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

2:10 PM

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

Weight Reduction of Plastic Components with the latest Technology
Trevor Pruden, Arburg

2:45 PM

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

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

3:15 PM

APPLICATIONS FOR BIOBASED MATERIALS

Dr. Alper Kiziltas, Ford Motor Co.
Akshay Trivedi, General Motors Co.
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

3:30 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 & LyondellBasell

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

4:05 PM

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

4:50 PM

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 Association

Light Weight Solutions for Automotive Applications
Charlie Yang, LyondellBasell

5:30 PM

VIRTUAL NETWORKING

6:00 PM

CONFERENCE CLOSES FOR THE DAY

WEDNESDAY, OCTOBER 6, 2021

All times EST USA

7:00 AM

CONFERENCE OPENS / REGISTRATION

8:30 AM

REMARKS AND TRIBUTE TO NIPPANI RAO: Conference Co-Chair, John Haubert, Stellantis

8:40 AM

KEYNOTE INTRODUCTION: David Okonski, General Motors Co.

8:45 AM

KEYNOTE: Sustainability in the Automotive Industry & Life Cycle Management Strategies for TPO

Speakers: Professor Lenny Koh and Dr. Alicyn Rhoades

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

9:15 AM

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

9:20 AM

PLATINUM CONFERENCE RECOGNITIONS

10:05 AM

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

10:15 AM

Process Development Revolution with IT4.0

Dr. Arash Kiani,
Alterra Holdings

Enabling Sustainability through Post-Consumer Recycle Content in TPO

Robert Mimms, Advanced Composites

10:50 AM

Disruptive Innovation – Digital Polypropylene – 3D Printing

David Tucker, Forest3D

Automotive Shredder Waste: A Marketing Challenge

Jeff Spangenberger,
Argonne National Laboratory

11:25 AM

How and When to Inject Super Critical Fluids into a Twin-screw extruder to Improve TPE/TPO Compounding Processes and Products

Charlie Martin, Leistritz Extrusion Company

CirKular+ solutions for Plastics Recycling

Amit Desai,
Kraton

12:00 PM

TPO Compounding 2030: Past, Present Future of Twin Screw Extrusion

Cameron Kheradi, Coperion Corporation

Inteather™ Material Solutions for a Sustainable Future

Kevin Lyons,
Inteva Products LLC

12:35 PM

3D Additive Manufacturing

Trevor Pruden,
Arburg

Summary and Reflection Regarding Sustainability, Reuse, Recovery, and Recycling

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

1:10 PM

VIRTUAL NETWORKING

3:00 PM

CONFERENCE CLOSES FOR THE YEAR

Revision 12

