

SUNDAY OCTOBER 2, 2022

EXHIBITION SET-UP STARTS

12:00 PM
3:30 PM
4:15 PM
5:00 PM

SUNDAY TUTORIAL: TPOs for Automotive: The History and Developments in the Past 5 Years

Mike Balow, Auxin Consulting **MODERATOR: Michael Shoemaker, Borealis Compounds**

SUNDAY TUTORIAL: TPOs in Automotive Interior Soft-Trim Applications - An Overview

Dr. Pravin Sitaram, Director Product Innovation & Sustainability Advanced Materials & Technology, Haartz Corporation

EVENING RECEPTION *Sponsored By Formosa Plastics Group*

MONDAY OCTOBER 3, 2022

CONFERENCE OPENS / REGISTRATION

EXHIBITOR HALL OPENS / BREAKFAST

7:00 AM
8:00 AM
8:30 AM
8:40 AM
8:45 AM
9:30 AM
9:40 AM
10:25 AM
10:35 AM

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

SPONSORSHIP MESSAGE

KEYNOTE: Global Polypropylene: New Capacity Expected to Outpace Post Covid Demand

Joel Morales, Vice President Polyolefins Americas, Chemical Market Analytics by OPIS a Dow Jones Company

LUNCH SPONSOR REMARKS

KEYNOTE: Challenges, Opportunities, and our Role in Sustainable Mobility

Jim Hillier, Sr. Director, Advanced Polymer Solutions, LyondellBasell

TECHNICAL PROGRAM HIGHLIGHTS: Mike Balow, Technical Program Co-Chair, Auxin Consulting, LLC

NETWORKING BREAK *Sponsored by SIRMAX*

TRACK-I	TRACK-II	TRACK-III
EXTERIOR TRIM & STRUCTURAL APPLICATIONS Mark Pilette, Magna Exteriors Charlie Yang, LyondellBasell Andrew Sanders, Borealis Compounds Lightweight Thermoplastic Removable Roof Panels Rob Selle Magna Exteriors	SUSTAINABLE MATERIALS & PARTS Mike Balow, Auxin Consulting, LLC Murali Reddy, CpK Mark Allen, Dow The Drive Towards Sustainability of Plastics Andy Brewer Plastics Industry	POLYOLEFIN ELASTOMERS & VULCANIZATES Dr. Bhavesh Shah, Lion Elastomers Dr. Dave Patel, Mitsubishi Chemical Dr. Nadeem Bokhari, Sumitomo Chemical Optimization of Injection Molding Process Parameters for Improving Adhesion in TPEs Nischay Kodihalli Shivaprakash Mitsubishi Chemical America
High Performance Light Translucent TPO Benny Zhao Kingfa	The Recycling Commitment Dilemma Phillip Goldberg Columbia Recycling	Innovative Styrenic Block Copolymer Solutions to Enhance Sustainability in Automotive Applications David Truong, Kraton Polymers

11:00 AM
11:30 AM
11:35 AM
12:05 PM

NETWORKING LUNCH *Sponsored by Sumitomo*

EXTERIOR TRIM & STRUCTURAL APPLICATIONS	SUSTAINABLE MATERIALS & PARTS	POLYOLEFIN ELASTOMERS & VULCANIZATES
Advanced Copo = Higher Robustness: Opening New Applications for Glass Fiber Reinforced Polypropylene Sven Nietzel, LyondellBasell	Advancing A Circular Economy for Plastics Eric Hartz, Nexus Circular	New Generation Thermoplastic Vulcanizate, Crosslinked SBC / TPV-S Mithat Akan, Elastron
Next Generation Exteriors Andrew Sanders, Borealis	NGR "One-Step" Recycling Machines Warren Kim, NGR	Sustainable Automotive Weather Seals with Santoprene Prashant Bhadane, Celanese Corporation
Plastic Body Panel: New Innovation for Automotive Light Weight Solution Bumper and Exterior Trim Applications Charlie Yang, LyondellBasell	Automotive Shredder Residue Plastics Recycling: Working Towards Realization Jeff Spangenberg Argonne National Laboratory	Novel Development of Bio-Based TPEs Christopher Engel Avient Corporation

1:45 PM
2:15 PM
2:20 PM
2:50 PM
2:55 PM
3:25 PM

NETWORKING BREAK *Sponsored by the TPO Global Automotive Conference*

PROCESS ENABLING TECHNOLOGIES	SUSTAINABLE MATERIALS & PARTS	POLYOLEFIN ELASTOMERS & VULCANIZATES
Processing Highly Filled Compounds on Twin Screw Extruders: Tips, Myths and Realities Charlie Martin, Leistritz Extrusion	Automotive Circularity: Material Selection and Product Design Kevin Lyons Inteva Products LLC	Shaping a Sustainable Future While Reducing Cost With a High Performance RTPV Edgar Gonzalez, Synesis LLC Greg Zenner, LyondellBasell
Weight Reduction of Plastic Components by Using Advanced Technology Trevor Pruden, Arburg, Inc.	Sustainable Interior Surfaces - Monomaterial Concepts for Circularity Ryan Bailey, Continental	Ultra-Low Compression Set TPV for Dynamic Seal Application Michio Morita, ENEOS Materials Corporation

3:55 PM
4:25 PM
4:30 PM
5:30 PM

EVENING RECEPTION *Sponsored By Advanced Composites*

TUESDAY OCTOBER 4, 2022

7:00 AM

CONFERENCE OPENS / REGISTRATION

8:00 AM

EXHIBITOR HALL OPENS / BREAKFAST

8:30 AM

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

8:40 AM

SPONSORSHIP MESSAGE

8:45 AM

KEYNOTE: **Mergers and Acquisitions of TPO and Olefin based Compounds in North America**
Saqib Toor, Board Member, Alterra Holdings and Beaconhouse Capital Managing Partner

9:30 AM

TPO GLOBAL AUTOMOTIVE CONFERENCE RECOGNITION

9:40 AM

KEYNOTE: **Supplying the Automotive Industry with High Performing, Circular Compounds**
Massimo Pavin, Founder and CEO, Sirmax

10:25 AM

SOCIETY OF PLASTICS ENGINEERS (SPE) MESSAGE

10:35 AM

NETWORKING BREAK *Sponsored by the TPO Global Automotive Conference*

TRACK-I

PROCESS ENABLING TECHNOLOGIES

Matt Sprouse, Washington Penn Plastic
Dr. Suresh Shah, SPE Fellow, Plastics
"Hall of Fame" Inductee

Cost and Durability Benefits of Innovative Labeling Technology for Polyolefins
Jason Brownell, Polyfuzze Graphics Corp.

TRACK-II

SUSTAINABLE MATERIALS & PARTS

Sustainable PCR/PIR Materials for Automotive Components
Dr. Arash Kiani
Alterra Holdings

Developing Sustainable Material Roadmaps for Automotive
Lisa Madenjian
Dow

TRACK-III

POLYOLEFIN ELASTOMERS & VULCANIZATES

Manufacturing of Fused Deposition Modeling Compatible Thermoplastic Elastomeric Materials
Pratiksha Awasthi
IIT Delhi

Santoprene TPV in EV Cooling Hose Applications
Paul Zwick
Celanese Corporation

11:00 AM

11:30 AM

11:35 AM

12:05 PM

NETWORKING LUNCH *Sponsored by the TPO Global Automotive Conference*

PROCESS ENABLING TECHNOLOGIES

SmartChronos for Compounding Operation
Dr. Arash Kiani
Alterra Holdings

Gas Assisted Push Pull: A Novel Technology to Increase Weld Line Mechanical Properties
Dr. Giovanni Lucchetta, Sirmax

SUSTAINABLE MATERIALS & PARTS

Developments in Circulen Recover TPO Compounds with Recycled Feedstocks for Automotive Bumper and Exterior Trim Applications
Matt Tiza, LyondellBasell

Circular Economy Solutions: a Holistic Approach
Michael Shoemaker, Borealis

INNOVATIONS IN AUTOMOTIVE INTERIORS

Dr. Pravin Sitaram, Haartz Corporation
Austin Wagenhals, Ford Motor Co.
Hoa Pham, Sonoco Products Co.
Opportunities and Challenges for TPEs in Electric Vehicle Interiors
Robert Eller, Robert Eller Associates LLC

Advances in Non-score Deployable Materials for Instrument Panels
Michael Murelli, The Haartz Corporation

1:45 PM

2:15 PM

2:20 PM

2:50 PM

MATERIALS DEVELOPMENT

Tiger Stripe free TPO Compound Methodology
Mark Evans
Borealis Compounds, Inc.

SUSTAINABLE MATERIALS & PARTS

Sustainable TPO-Based Mechanical Recycling Solutions for Automotive Applications
Petya Yaneva
SABIC

INNOVATIONS IN AUTOMOTIVE INTERIORS

Soft Smart Surfaces in Automotive Trim
Jeremy Husic
Inteva Products LLC

2:55 PM

3:25 PM

NETWORKING BREAK *Sponsored by the TPO Global Automotive Conference*

MATERIALS DEVELOPMENT

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

Materials for Incorporation of PCR into Molded Parts for the Automotive Industry
Timothy Dean, ExxonMobil Product Solutions

PERFORMANCE ADDITIVES & COLORANTS

Nancy Cliff, BASF
Dr. John Mara, Amfine Chemical Corp.

Polymer Additive Technologies to Meet Recent Chemical Regulatory Trends
Yuhei Hattori, ADEKA Corp.

INNOVATIONS IN AUTOMOTIVE INTERIORS

Slush Grade Thermoplastic Polyolefin for Automotive Interiors
Dr. Murali Reddy / Dr. Greg Farrar
CPK

3:55 PM

4:25 PM

4:30 PM

5:00 PM

EMI Materials for Blind Spot Detector (BSD) Brackets
Ned Bryant
RTP Company

Review of Non-Halogen FRs
Maggie Baumann
Performance Polymers and Additives

Lightweighting on the Vehicle Interior with a Focus on Seating
Kevin DeGroot
Borealis Group

EVENING RECEPTION *Sponsored By Alterra Holdings*

WEDNESDAY OCTOBER 5, 2022

	CONFERENCE OPENS / REGISTRATION		
7:00 AM	EXHIBITOR HALL OPENS / BREAKFAST		
8:00 AM	WELCOME REMARKS: Conference Co-Chair, Bill Windscheif , Advanced Innovative Solutions Ltd.		
8:30 AM	SPONSORSHIP MESSAGE		
8:40 AM	KEYNOTE: How Smart Surfaces, Sustainable Materials are Transforming Vehicle Interiors Drew Winter , Principal Analyst – Cockpit of the Future at Wards Intelligence		
8:45 AM	FEATURED PRESENTATION: How Positive Plastics Education is Making a Difference , Eve Vitale , SPE Foundation		
9:30 AM	ECOTEK LAB: Keith Young		
9:50 AM	ECOTEK LAB STUDENT POSTER COMPETITION RECOGNITION: Sassan Tarahomi		
10:05 AM	SPONSORSHIP MESSAGE		
10:15 AM	NETWORKING BREAK <i>Sponsored by the TPO Global Automotive Conference</i>		
10:20 AM	TRACK-I	TRACK-II	TRACK-III
	MATERIALS DEVELOPMENT Mark Jablonka, Dow Peter Glenister, LyondellBasell Catherine Wilson, Ford Motor Company	PERFORMANCE ADDITIVES & COLORANTS Nancy Cliff, BASF Dr. John Mara, Amfine Chemical Corp.	INNOVATIONS IN AUTOMOTIVE INTERIORS Dr. Pravin Sitaram, Haartz Corporation Austin Wagenhals, Ford Motor Co. Hoa Pham, Sonoco Products Co.
11:00 AM	PCR/PIR PP with Biobased and Glass Fiber for EV Applications Dr. Sassan Tarahomi Alterra Holdings	Improving Melt Strength of Virgin and Recycled PP Compounds with an Ionic Monomer Brett Robb, Total Cray Valley	New Anti-bacterial/Anti-viral Thermoplastic Elastomers Shinichiro Shimomura Sumitomo Chemicals Co., Ltd.
11:30 AM	THERMOFIL CIRCLE – Developing Reinforced Polypropylene Compounds with a Reduced Carbon Footprint, without Compromising Performance Nicolas Schlutig Sumika Polymer Compounds Europe	New Polymer Processing Additives (PPA) for Polyolefin Production and Process Improvements Mike McCormack SACO AEI	Electrically Conductive Thermoplastic Elastomers for Liftgate Sensor Profiles Juan Espinosa Kraiburg
11:35 AM			
12:05 PM	NETWORKING LUNCH <i>Sponsored by the TPO Global Automotive Conference</i>		
	MATERIALS DEVELOPMENT	PERFORMANCE ADDITIVES & COLORANTS	INNOVATIONS IN AUTOMOTIVE INTERIORS
1:45 PM	A Cost-Effective Approach to Natural Fiber Reinforced Polypropylene (NFPP) Tom Sybrandy Inteva Products LLC	Additive Solutions to Enhance the Quality of Recycled Plastics Nancy Cliff/Dr. Oliver Reich BASF Corp.	Improving Sustainability Through Mold-In-Color TPO Material Robert Mimms Advanced Composites
2:15 PM	The Effect of Talc Shape/Fineness on PP and TPO Performances Piergiovanni Ercoli Malacari IMI Fabi SpA	Management of Polyolefin VOCs Using Special Additives Richard Marshall CAI Performance Additives	Pre-Applied Adhesive Technology for the Automotive Interior Industry Greg Wilkins Sunstar Engineering Americas
2:20 PM	Altibright™ Pyrophyllite. A New High Brightness, High Aspect Ratio Reinforcement for High Quality TPO's John Hurley Trinity Performance Minerals	Development of Novel Intumescent System Offering High Flame Retardancy Cui Chun ADEKA Corp.	Cleaner, Fresher Automotive Interiors with Antimicrobial Material Solutions from Microban Dr. Mai Ha Microban International
2:50 PM			
2:55 PM			
3:25 PM	NETWORKING BREAK <i>Sponsored by the TPO Global Automotive Conference</i>		
	MATERIALS DEVELOPMENT	PERFORMANCE ADDITIVES & COLORANTS	INNOVATIONS IN AUTOMOTIVE INTERIORS
3:55 PM	Effect of Surface Modifying Ultra Fine Talcs of Various Morphologies on Mechanical Performance of TPO Compounds Moulee Palaniappan Magris Talc USA	Measuring Uncertainties in Emission Testing Dr. Huaiyuan (Ethan) Hu/ Dr. Michael Holzwarth IMAT	Contact Angle Measurement: Easy Method to Determine Flame Treated Composite Surface Variability and Pressure Sensitive Wetting with Varying Acrylic Acid Content Raymond Sanedrin KRÜSS USA
4:25 PM	Innovative Light Weight Flame Retardant (FR) Composite in Automotive Applications Tariq Syed, Jose Sales Fernandez, Petya Yaneva, SABIC	New Approaches to Scratch Resistance in Polypropylene and Polypropylene Compounds Jonathan McLachlan BYK	Ecotek Lab: Science Research Organization and Student Presentation Keith Young and Ecotek Students
4:30 PM			
5:00 PM	CONFERENCE CONCLUDES		