



SPECIAL HIGHLIGHTS

MONDAY 9 | 30 SETUP / RECEPTION

All Times Shown in EDT USA (UTC - 04:00)

6:30PM - 10:30PM

EXHIBITION SETUP

7:00PM - 11:00PM

EVENING RECEPTION SPONSORED BY **FORMOSA PLASTICS GROUP**

TUESDAY 10 | 1 EXECUTIVE MARKETING FORUM

2:30PM - 5:30PM SPECIAL PRESENTATIONS BY OUR SPONSORS AND EXHIBITORS NILES I AND NILES II ROOM

	NILES I	NILES II
2:30PM - 3:00PM	Mitsubishi Chemical Group Eric M. Hirzel, <i>Director of Product Line Mgmt. - Americas</i> <i>Achieving KAITEKI through Innovation</i>	Niche Polymer Edward Luibrand, <i>Automotive Market Development Manager</i> <i>Strong Partnerships Drive Successful Sustainability-Based Projects</i>
3:00PM - 3:30PM	BREAK	BREAK
3:30PM - 4:00PM	Sumika Polymers NA Chad Koss, <i>Commercial Director, Sumitomo's Olefin Based Compounds for Automotive Applications</i>	Welset Americas, Inc. Venkat Appaj, <i>President & Managing Director</i> UPCYCLE MASTERBATCH - Helping Incorporation of PCR Regrind in TPO Compounding
4:00PM - 4:30PM	LyondellBasell Ritch Koeth, <i>Product & Application Dev. Eng. Flame-Retardant Barrier Polyolefin Compound</i>	Alok Masterbatches Amit Puri, <i>Director of Sales & Marketing</i> Introduction of Idemitsu and SPS Business
4:30PM - 5:00PM	Alterra Holdings Sassan Tarahomi, <i>CTO</i> TerraPrene® Automotive Market	Golcha Minerals LLC Sumeet Verma, <i>CEO</i> Purest Talc for Automotive Applications from Golcha Minerals

WEDNESDAY 10 | 2 ECOTEK LAB STUDENT POSTER COMPETITION

9:00AM - 4:00PM	STUDENT PARTICIPATION AND POSTER COMPETITION
9:00AM - 11:00AM	STUDENT POSTERS DISPLAYED IN HALLWAYS
12:00PM - 4:00PM	STUDENT POSTERS DISPLAYED IN HALLWAYS
11:00AM - 12:00PM	COMMITTEE JUDGING IN NILES I & II
1:15PM - 1:30PM	POSTER COMPETITION AWARDS, HALLS I-II-III

2024 AGENDA

TUESDAY 10 | 1

All Times Shown in EDT USA (UTC - 04:00)

AM 7:00	REGISTRATION / EXPO / NETWORKING / BREAKFAST		
8:15	CHAIR WELCOME REMARKS Neil Fuenmayor, LyondellBasell (Retired)		
8:30	FOUNDERS PANEL 25th Anniversary Founders Roundtable		
9:45	KEYNOTE Automotive Sustainability Landscape and the Role of Materials in Ambition 2030 and Beyond Bob Flotkoetter, Director of Interior, Exterior and Seats Engineering, Nissan North America		
10:30	NETWORKING BREAK SPONSORED BY SPE DETROIT SECTION		
	HALL I	HALL II	HALL III
	MATERIALS DEVELOPMENT	INNOVATIONS IN INTERIORS	SUSTAINABILITY
	Dr. Birat KC, Magna International Quentin Boll, LyondellBasell Dr. Bin Sun, SABIC	Dr. Pravin Sitaram, Haartz Corp. Hoa Pham, Sonoco Austin Wagenhals, Ford Motor Co.	Dr. Petya Yaneva, SABIC Mark Allen, Dow Chemical Dr. Murali Reddy, CCC Plastics
10:45	The Evolution of Thermoplastic Polyolefin (TPO) Impact Modification for Automotive Applications Mark Jablonka, Dow	Soft TPO (THERMOPLASTIC OLEFIN) Foam Bi-Laminate for Scoreless Applications Joshua Cram, Continental	Historical Use of Recycled Plastics in Automotive Applications- Myth vs Reality- Time to Change the Paradigm Susan Kozora, IAC Group
11:15	Proposal of Core Back Foamed Interior Achieved by High Flow SEBS Kazuhisa Takagi, Asahi Kasei	Design for Sustainability & Recycling on Interior Parts Ryan Case, Antolin	The Mass Balance Approach and ISCC PLUS for Thermoplastic Olefins: Transition to a Circular Economy Peter Hawighorst, ISCC
11:45	Reinforced Polypropylene for Speciality and Structural Applications Tariq Syed, SABIC	Pre-Applied Adhesive – Making Your Interior Trim An All-Olefin Mono-Material Mark Helder, Haartz Corporation	Closing the Loop: Innovations in Durable Goods End-of-Life Management Kari Bliss, Hayden Latham, Padnos
PM 12:15	NETWORKING LUNCH SPONSORED BY SPE DETROIT SECTION		
1:30	KEYNOTE Predicting the Future of Automotive Interior Surfaces by Looking Back in Time Jeffrey Stout, Executive Director of Advanced Business Development, Yanfeng		
2:15	NETWORKING BREAK SPONSORED BY SPE DETROIT SECTION		
	PROCESS ENABLING & ADDITIVE TECHNOLOGIES	EXTERIOR TRIM & STRUCTURAL APPLICATIONS	PERFORMANCE ADDITIVES & COLORANTS
	David Kosse, Ascend Performance Materials Dr. Suresh Shah, Delphi (Retired) Anand Bora, Moldex 3D	Mark Pilette, Magna (Retired) Charlie Yang, LyondellBasell Kevin DeGrood, Borealis Compounds, Inc.	Heejung Kwon, Songwon Dr. John Mara, Amfine Chemical Corporation Dr. Raziye Mohammadi, Ford Motor Co
2:30	How to Predict Flow-Induced Surface Defects Alex Baker, Moldex 3D	MIC Metallic TPO for Exterior Applications Kevin DeGrood, Borealis Compounds, Inc.	Polymer Additive Technologies Contributing to Value of Automobiles Daniel Turley, Amfine Chemical Corporation
3:00	Tailoring Rigidity in Powder Melt Extrusion 3D Printing of Recycled Polyolefins Jerry Miao, University of Wisconsin	Addressing Tiger Stripe Defects of TPO for Demanding MIC Applications Alberto Prieto, LyondellBasell	Long-Term Thermal Stabilization Strategies in Different PP Systems Heejung Kwon, Songwon
3:30	Next Chapter in AI Compounding Arash Kiani, Alterra Holdings	Warpage Optimization of Large and Welded Assemblies Erich Vorenkamp, SABIC	Organoclay based Fire Retardant Synergist for Low Voltage Wire and Cable Applications Anthony Carignano, Elementis Global
4:00	NETWORKING BREAK SPONSORED BY SPE DETROIT SECTION		
	POLYOLEFIN ELASTOMERS AND VULCANIZATES	INNOVATIONS IN INTERIORS	PERFORMANCE ADDITIVES & COLORANTS
	Dr. Bhavesh Shah, Lion Elastomers Dr. Dave Patel, GuruTech Systems, Inc Dr. Nadeem Bokhari, Sumika Polymers NA	Dr. Pravin Sitaram, Haartz Corp. Austin Wagenhals, Ford Motor Co. Hoa Pham, Sonoco	Heejung Kwon, Songwon Dr. John Mara, Amfine Chemical Corporation Dr. Raziye Mohammadi, Ford Motor Co
4:15	Sarlink TPV: Powering Sustainable Automotive Innovation Pratik Shah, Teknor Apex	Interior PCR Material with Enhanced Impact and Processability Ben McComb, Advanced Composites Ewa Lebert, General Motors	Evolution of Frunk, Materials, and Sustainability Dr. Haibo Zhao, GEON Performance Solutions
4:45	Designing Translucent TPO for Performance and End-of-Life Recyclability Dr Raja Dharmarajan, Kraton	Single Side Lamination Adhesives for Interior Trim Brent Landis and Rick Snyder, H. B. Fuller	Improving the UV Weatherability of Brightly Colored Automotive TPOs Matt Tiza, LyondellBasell
5:15	Santoprene TPV for Automotive Dynamic Body Seals Abdul Jangda, Celanese	Next-Generation TPE Solutions for Sustainable Innovation Stephanie O'Kon, Kraiburg	High-Performance Piano Black for Automotive Applications Dr. Jun Tian, Birla Carbon
5:45	EVENING RECEPTION SPONSORED BY ADVANCED COMPOSITES		

2024 AGENDA

WEDNESDAY 10 | 2

All Times Shown in EDT USA (UTC - 04:00)

AM 7:00	REGISTRATION / EXPO / NETWORKING / BREAKFAST
8:15	CHAIR WELCOME REMARKS Rob Philp Sirmax
8:30	KEYNOTE Value Chain Collaboration, Key to a Successful Circular Economy for Plastics Linda Wright, Vice President of Product Solutions Technology, ExxonMobil
9:15	PLENARY DISCUSSION Strategic Materials Development – Achieving Carbon Neutrality Goals through Enhanced Product Sustainability Drew Geda, Senior Polymer Materials Development Engineer, Interior Plastic - Strategic Materials Hyundai-Kia America Technical Center, Inc. (HATCI), Hyundai Motor Group Q&A PANELISTS Angelo DiLisio, HATCI; Isabel Newton, HATCI; Jeffrey Weny, HATCI

	NETWORKING BREAK SPONSORED BY SIRMAX		
	HALL I	HALL II	HALL III
	PROCESS ENABLING & ADDITIVE TECHNOLOGIES	POLYOLEFIN ELASTOMERS AND VULCANIZATES	SUSTAINABILITY
	David Kosse, Ascend Performance Materials Dr. Suresh Shah, Delphi (Retired) Anand Bora, Moldex 3D	Dr. Bhavesh Shah, Lion Elastomers Dr. Dave Patel, GuruTech Systems, Inc Dr. Nadeem Bokhari, Sumika Polymers NA	Dr. Petya Yaneva, SABIC Mark Allen, Dow Chemical Dr. Murali Reddy, CCC Plastics
10:30	Design and Manufacturing of Thermoplastic Composite Bipolar Plates in Proton Exchange Membrane Fuel Cells (PEMFCs) Ali Manzoor, University of Toronto	Low Compression set TPV for Dynamic Application in Automotive Industry Serif Erdogan, Elastron	Efficient Optimization of Natural Fiber Nonwoven Panels Christopher Oberste, Weav3D Inc.
11:00	Operational Efficiencies and Sustainability Initiatives Utilizing Color Concentrates Matt Telecky, LioChem	Innovative Product Designs & Processing with Elastomers Dr. Talat Karmo, Vintech	TPO Material Preparation for Chemical Recycling Robert Wahlmüller, EREMA
11:30	Virtual Reality Scratch Modeling on Textured Polymeric Surfaces Sumit Khatri, Texas A & M	A Sustainable and Cost Effective TPV For a Better Future Edgar Gonzalez, Synesis LLC	A Novel Purification Method to Recycle Polypropylene, Applications to Automotive Susan Blackson, PureCycle; Katie May, Milliken

PM 12:00	NETWORKING LUNCH SPONSORED BY SPE DETROIT SECTION		
1:15	STUDENT AWARDS		

1:30	PANEL DISCUSSION GENERAL MOTORS Life Cycle Analysis – Importance, Challenges and Potential of LCA in Today's Automotive Market Moderators: Matt Vandyke, General Motors; Mark Allen, Dow Panelists: Brian Leen, General Motors; Jade Beauregard, General Motors; Rachel Burland, General Motors; Shirell Klein, HRL Laboratories; Susan Kozora, IAC Group; Rob Mimms, Advanced Composites
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	NETWORKING BREAK SPONSORED BY SPE DETROIT SECTION		
	MATERIALS DEVELOPMENT	EXTERIOR TRIM & STRUCTURAL APPLICATIONS	SUSTAINABILITY
	Dr. Birat KC, Magna International Quentin Boll, LyondellBasell Dr. Bin Sun, SABIC	Mark Pilette, Magna (Retired) Charlie Yang, LyondellBasell Kevin DeGroot, Borealis Compounds, Inc.	Dr. Petya Yaneva, SABIC Mark Allen, Dow Chemical Dr. Murali Reddy, CCC Plastics
2:45	Application of Translucent Polyolefins in Automobile Bumper Jason Li, Kingfa	Chrome-Like Effects Coatings for Exterior TPO Applications Guy LaRouche General Motors Bill Coy, Mankiewicz Coatings, LLC	Circulen Products-Solutions for Achieving your Circularity Goals Dr. Ryan Breese, LyondellBasell
3:15	Film Technology for Exterior TPO Parts Pieter van der Ster, AkzoNobel	Vehicle Crash and Energy Management Using Long Glass Fiber Polypropylene Anil Tiwari, SABIC	Novel Polyolefin Compounds using AirCarbon, the Biomaterial made from Methane-Based Greenhouse Gas - Yosuke Furuya, Sumitomo Chemical Company; Mark Herrera, Newlight Technologies
3:45	Cost-Effective Structural Polypropylene Body Panels Christopher Oberste, Weav3D Inc.	TPO's with Recycled Content for Fully Painted Applications Tomik Mouradian, LyondellBasell	Sustainable Material Pillars in the Automotive Industry Rich James, Dow

	NETWORKING BREAK SPONSORED BY SPE DETROIT SECTION		
	PROCESS ENABLING & ADDITIVE TECHNOLOGIES	INNOVATIONS IN INTERIORS	POLYOLEFIN ELASTOMERS AND VULCANIZATES
	David Kosse, Ascend Performance Materials Dr. Suresh Shah, Delphi (Retired) Anand Bora, Moldex 3D	Dr. Pravin Sitaram, Haartz Corp. Austin Wagenhals, Ford Motor Co. Hoa Pham, Sonoco	Dr. Bhavesh Shah, Lion Elastomers Dr. Dave Patel, GuruTech Systems, Inc Dr. Nadeem Bokhari, Sumika Polymers NA
4:30	Advancing Vehicle Lightweighting Through Digital Lifecycle Modeling of TPO Foam Injection Processes Pradip Sai, University of Delaware	How To Successfully Integrate PCR Content In Automotive Interior Applications Andrea Scantamburlo, Sirmax	PCR/PIR GP Black TPV for Under Hood Applications Dr. Sassan Tarahomi, Alterra Holdings
5:00	Feasibility and Potential of 3D Printing in Upcycling of Recycled Polyolefin for Sustainable Automotive Applications Malik Hassan, University of Guelph	New Sustainable Generation of Antimicrobial for Polyolefin Dr. Mai Ha, Microban	

2024 AGENDA

THURSDAY 10 | 3

All Times Shown in EDT USA (UTC - 04:00)



TPO® 2024
GLOBAL AUTOMOTIVE
CONFERENCE
 Troy, MI • Sept 30-Oct 3, 2024
 Powered by SPE Detroit Section

AM 7:00

REGISTRATION / EXPO / NETWORKING / BREAKFAST

8:15 **CHAIR WELCOME REMARKS** Mike Balow, Auxin Consulting, LLC

8:30 **KEYNOTE** **OEM Perspective on TPO Industry Trends**
 David Helmer, General Motors, EGM for Interior, Exterior, Information and Controls Materials Engineering

9:15 **KEYNOTE** **Product Solutions to Enable Circularity in Automotive Interiors**
 Sheila Sarver, Inteva Products, LLC, Chief Technical Officer

10:00

NETWORKING BREAK SPONSORED BY SPE DETROIT SECTION

HALL I

HALL II

HALL III

MATERIALS DEVELOPMENT

Dr. Birat KC, Magna International
 Quentin Boll, LyondellBasell
 Dr. Bin Sun, SABIC

Developed Flame-Retardant Glass Fiber Reinforced Polypropylene Compounds for EV Battery Enclosure
 Sho Kurimoto, Sumitomo Chemical Company

Exact and Vistamaxx: Exploring the Compositional Effect on TPO Properties
 Brian Satterley and Giriprasath Gururajan, ExxonMobil

Next Generation Mineral Solutions for Automotive PP and TPOs
 Maziyar Bolourchi, IMERYS

INNOVATIONS IN INTERIORS

Dr. Pravin Sitaram, Haartz Corp.
 Austin Wagenhals, Ford Motor Co.
 Hoa Pham, Sonoco

Advantages of Injection Molding Behind Thin Film TPO
 David Whitehead, Inteva Products, LLC

Sustainable and Light-Weight Interior Ducts: New Possibilities with Ultra-Low Density PP Foams
 Joel Pierce, Borealis Compounds, Inc.

New Polyolefin Foams for Automotive Interior Trim Containing Sustainable Materials - Paul Sieradzki, TORAY

PERFORMANCE ADDITIVES & COLORANTS

Heejung Kwon, Songwon
 Dr. John Mara, Amfine Chemical Corporation
 Dr. Raziye Mohammadi, Ford Motor Co

Novel Light Stabilizer for Polypropylene/ Thermoplastic Olefin Interior Applications
 Dr. Lily Liu, BASF Corporation

Colored TPV's for Interior Applications
 Dr. Sassan Tarahomi, Alterra Holdings

Ionic Additive to Enhance Recycled Polyolefin Materials
 Eric Evelhoch, Resin Solutions

10:15

10:45

11:15

11:45

NETWORKING BREAK SPONSORED BY SPE DETROIT SECTION

MATERIALS DEVELOPMENT

Dr. Birat KC, Magna International
 Quentin Boll, LyondellBasell
 Dr. Bin Sun, SABIC

Thermal Management of Future Battery Electrical Vehicle, Glass Reinforced PP Compounds FR Range Materials Best in Class Solutions
 Nicolas Schlutig, Sumika Polymer Compounds

Talc Modification of TPOs: The Role of Talc Fineness in Designing Final Properties
 Piergiovanni Ercoli Malacari, IMI Fabi SpA

INNOVATIONS IN INTERIORS

Dr. Pravin Sitaram, Haartz Corp.
 Austin Wagenhals, Ford Motor Co.
 Hoa Pham, Sonoco

Mastering Variable & Recycled Feedstocks to Decarbonize Plastic Production
 Todd Hughes, MATERI'ACT

Addressing the Circularity Challenge of the New EU End-of-Life Vehicles Regulation: Post-Consumer Recycled PP for High End Automotive Interior Applications
 Joel Pierce, Borealis Compounds, Inc.

PM 12:00

12:30

1:00

BOX LUNCH SPONSORED BY SPE DETROIT SECTION

REV. 6