

Sunday, October 6, 2019

- 12:00 PM Exhibition Set-up Starts
- 3:00 PM Tutorial 1: 3D Printing of TPO Parts, David Tucker and Brent Ewald, HP Inc.
- 4:00 PM Tutorial 2: 3D Printing of Fiber Reinforced TPO Parts, Jeff DeGrange, Impossible Objects
- 5:00 PM **EVENING RECEPTION: Sponsored by Formosa Plastics Group**

Monday, October 7, 2019

- 7:00 AM **Registration & Continental Breakfast: Sponsored by Mytex Polymers**
- 8:30 AM **Welcome Remarks:**
Conference Co-Chair, Neil Fuenmayor, LyondellBasell
- 8:45 AM **Keynote 1: "Global PP Update: What a Difference a Year Makes!"** by Joel Morales, Director Polyolefins North America at IHS Markit
- 9:15 AM **Keynote 2: "Occupy Your Position on the "Design Maturation Spectrum"** by Jeevak Badve, Principal, Director Strategic Growth at SundbergFerar
- 9:45 AM **Lunch Sponsor & Reception Sponsor Remarks (Sumitomo Chemical Company & Advanced Composites)**
Technical Program Highlights: Dr. Norm Kakarala / David Helmer, GM / Dr. Alper Kiziltas, Ford Motor Co
- 10:00 AM **BREAK: Sponsored by SIRMAX North America**

	Conference Hall - I	Conference Hall - II	Conference Hall - III
	Materials Development Mike Balow, Auxin Consulting, LLC Mark Jablonka, Dow Peter Glenister, LyondellBasell	Additive Manufacturing (3D Printing) Kurt Anthony, Washington Penn Plastic Co., Inc. Dr. Suresh Shah Nihir Bhuvra, Asahi Kasei Plastics North America	Interior Applications & Laminating Adhesives Dr. Pravin Sitaram, Haartz Corporation Sarah Gatzek, Ford Motor Co. Hoa Pham, Freudenberg Performance Materials
10:30 AM	Advanced Reactive Based Compounded Materials for Interior, Exterior and Under Hood Applications <i>Dr. Sassan Tarahomi, Alterra Holdings</i>	Simulation Driven Design for Additive Manufacturing: Opportunities for the Entire Supply Chain <i>Ravi Kunju, Altair</i>	Autonomous Vehicles, Car Sharing and Electric Vehicles are Driving Smart Applications and TPOs/TPEs will Benefit <i>Bob Eller, Robert Eller Associates LLC</i>
11:00 AM	Injection Molded High Gloss Black TPO for Automotive Exterior Applications <i>Quentin Boll, LyondellBasell</i>	Digital Texturing Techniques for Automotive 3D Printing <i>Alex Ju, HP Inc.</i>	TPO Advances for Interior Applications <i>Jason Fincher, Advanced Composites</i>
11:30 AM	Low Emission and Sustainable TPE for Interior Soft-Touch Innovations <i>Dr. Thomas Köppl, Hexpol TPE</i>	3 D Printed Prototype Parts out of Production Material in Single or Multi Component Technology <i>Trevor Pruden, Arburg</i>	Advanced TPO and TPE Materials for the Interior of Autonomous and Electric Vehicles <i>Dr. Sassan Tarahomi, Alterra Holdings</i>

- 12:00 PM **LUNCH: Sponsored by Sumitomo Chemical Company**

	Conference Hall - I	Conference Hall - II	Conference Hall - III
	Materials Development Mike Balow, Auxin Consulting, LLC Mark Jablonka, Dow Peter Glenister, LyondellBasell	Additive Manufacturing (3D Printing) Kurt Anthony, Washington Penn Plastic Co., Inc. Dr. Suresh Shah Nehir Bhuva, Asahi Kasei Plastics North America	Interior Applications & Laminating Adhesives Dr. Pravin Sitaram, Haart Corporation Sarah Gatzek, Ford Motor Co. Hoa Pham, Freudenberg Performance Materials
1:30 PM	Meeting Tomorrow's TPO Performance Requirements with Next Generation Polyolefin Elastomers <i>Mark Jablonka, Dow</i>	Polyolefins in Powder Ben Fusion Additive Manufacturing <i>Dr. Michelle K. Sing, Braskem</i>	Advancements of the Kraton™ IMSS Technology for Automotive Interiors <i>Dr. Amit Desai, Kraton</i>
2:00 PM	Innovative SEBS for Improving the Properties of TPEs and Engineering Plastics for Automotive Parts. <i>Sherry Takagi, Asahi Kasei Corporation</i>	Utilizing Conformal Cooling in Injection Molding <i>Lou Young, Linear AMS</i>	TPO Acoustics Absorbers for Hybrid and Electric Vehicles <i>Dr. Ali Khosroshahi, Michael Demo Freudenberg Performance Materials LP</i>
2:30 PM	SK Global Chemical High Performance Polypropylenes and Polyolefin Elastomers for Sustainable Solutions for the Automotive Industry <i>Dr. Fanny Deplace, SK Global Chemical</i>	Numerical Simulation of Warpage for Thermoplastic Parts in Fused Filament Fabrication (FFF) Process <i>Dr. Danielle Zeng, Ford Motor Co.</i>	Emission and Odor Behavior of Thermoplastic Elastomers (TPE) for <i>Juan Espinosa, Steve Cranney, Kraiburg TPE</i>
3:00 PM	New Styrenic Block-Copolymer Impact Modifiers for TPO Compounds <i>Dr. Amit Desai, Kraton</i>	Composite Based Additive Manufacturing (CBAM) 3D Technology <i>Jeff DeGrange, Chief Commercial Officer, Impossible Objects Inc.</i>	Introduction of Functionalized Air Bag Cover Thermoplastic Elastomers (TPEs) <i>Hitoshi Kageyama, Sumitomo Chemical Co., Ltd</i>

t3:30 PM **BREAK: Sponsored by TBD**

	Conference Hall - I	Conference Hall - II	Conference Hall - III
	Materials Development Mike Balow, Auxin Consulting, LLC Mark Jablonka, Dow Peter Glenister, LyondellBasell	Bio Based & Recycled Materials Susan Kozora, IAC Group Dr. Alper Kiziltas, Ford Motor Co.	Lightweighting of Plastic Parts Mike Shoemaker, Borealis Normand Miron, Washington Penn Plastic Co., Inc. Dr. Nadeem Bokhari, Sumika Polymers NA
4:00 PM	Extending the Value of Polypropylene Composites Filled with Glass Fiber/Talc via Superior Additive Technologies <i>Kenji Yamashita, ADEKA Corp.</i>	Effect of Water Absorption on Mechanical Properties of Recycled Thermoplastic Composite Materials <i>Dr. Sandeep Tamrakar, Ford Motor Co.</i>	Fiber Reinforced Polyolefin Materials for Lightweight Constructions <i>Harald Herbst, Borealis</i>
4:30 PM	High Stiffness and High Impact Glass Filled Polypropylene with Improved Heat and Chemical Stability <i>Doug Lunz, PolyOne</i>	Biocarbon- A Renewable and Lightweight Functional Filler for Polymer Composites <i>Ayse Ademuwagun, Varroc</i>	High Performance Light-Weighting Polyolefins Replacing Engineered Plastics <i>Hideaki Nishio and Nicolas Schlutig, Sumika Polymers NA</i>
5:00 PM	Environmentally Friendly Applications of Talc in Automotive Polyolefins <i>Piergiovanni Ercoli Malacari, IMI Fabi</i>	Why a New Generation of Bio based Olefinic Materials are Required for Tomorrow's Vehicle Interior <i>Dr. Sassan Tarahomi, Alterra Holdings</i>	Carbon Fiber Demand Forecast and Recycling Challenges <i>Markus Kralicek, Borealis</i>

5:30 PM **Reception: Sponsored by Advanced Composites, Inc.**

Tuesday, October 8, 2019

7:30 AM **Registration & Continental Breakfast: Sponsored by ExxonMobil**

8:30 AM **Welcome Remarks:** Conference Co- Chair, John Haubert, FCA Group

8:45 AM **Keynote 1: “Front & Center: A Focus on the Automotive Rules of Origin in U.S. Trade Negotiations”** by Kristin Dziczek, Vice President – Industry, Labor, & Economics at Center for Automotive Research

9:15 AM **Keynote 2: “Global Automotive Elastomers Innovation and Outlook”** by Dr. Arash Kiani, CEO of Alterra Holdings

9:45 AM **Conference Sponsor Recognitions**

Lunch Sponsor and Reception Sponsors Remarks (HP and Braskem)

Awards Presentations: Sponsor Recognitions and Awards for the 2018 TPO Parts Competition Winners

10:00 AM **BREAK: Sponsored by Borealis**

	Conference Hall - I	Conference Hall - II	Conference Hall - III
	Materials Development Mike Balow, Auxin Consulting, LLC Mark Jablonka, Dow Peter Glenister, LyondellBasell	Bio Based & Recycled Materials Susan Kozora, IAC Group Dr. Alper Kiziltas, Ford Motor Co.	Lightweighting of Plastic Parts Mike Shoemaker, Borealis Normand Miron, Washington Penn Plastic Co., Inc. Dr. Nadeem Bokhari, Sumika Polymers NA
10:30 AM	Advanced UV and Thermal Stabilizer Solution for Enhancing Durability of Automotive TPO <i>Dr. Kyle O'Connor, Solvay</i>	Improving the Properties and Durability of Recycled Automotive Plastics Bringing New Life by Restabilization <i>Nancy Cliff, BASF</i>	Innovative Solutions for Maintaining Aesthetics while Creating Light Weight Polyolefin and TPO Applications <i>Luca Gazzola, SIRMAL</i>
11:00 AM	Latest Stabilization Solutions for Automotive TPO Compounds <i>Emilie Meddah, Clariant</i>	Breakthrough Developments in Functional Fillers <i>Dr. Chris DeArmitt, Arctic Minerals</i>	Lightweighting Solutions in Filled Polypropylene Systems <i>Dr. Lily Liu, PolyOne</i>
11:30 AM	A Developed Antioxidant Formula that Improves Color and Melt Index Compared with Conventional Blends <i>David Chui, FDC Lees Co.</i>	Circular Economy New Challenges and Opportunities for the Plastic Industry: A Polyolefin Producer Approach <i>Daniel Bahls Pierera, Borealis</i>	Advances in Lightweight PP Materials Enabled by 3M Glass Bubbles <i>Erik Labelle, 3M</i>

12:00 PM **LUNCH: Sponsored by HP**

	Conference Hall - I	Conference Hall - II	Conference Hall - III
	Materials Development Mike Balow, Auxin Consulting, LLC Mark Jablonka, Dow Peter Glenister, LyondellBasell	Process Developments Kurt Anthony, Washington Penn Plastic Co., Inc. Dr. Suresh Shah Dr. Li Lu, Ford Motor Co.	Surface Enhancements & Coatings Dr. Rose Ryntz, Ryntz & Associates Jeff Crist, Ford Motor Co. Jim Keller, Mankiewicz Coatings LLC
1:30 PM	Permanent Ion Conductive Anti-statics in TPOs <i>Dr. Emile Homsj, Croda</i>	Weight Reduction of Plastic Components by using Modern Technology <i>Trevor Pruden, Arburg</i>	Paint, Color and Coatings for Autonomous Vehicles <i>Chris Seubert, Ford Motor Co.</i>
2:00 PM	Highly Efficient and Innovative Halogen Free Flame-Retardant Solution for Polyolefin Materials <i>Dr. Gary Rex, Hangzhou JLS Flame Retardants</i>	Flexible Injection Molding Solutions for the Integration of Functional Films <i>Stephen Beasley, Krauss-Maffei Corp.</i>	Coating Innovations on the Horizon <i>Karen Kukla, AkzoNobel</i>
2:30 PM	Sustainable Stabilization Solutions that Address Latest Automotive Trends <i>Thomas SantaMaria, Solvay</i>	Reducing Inspection Based on Data Driven Results from Design of Experiments (DOE) <i>Suhas Kulkarni, FimmTech Inc.</i>	Visual Assessment of Color - The Importance of Visual Color Harmony from Concept to Production <i>Perry Banta, LyondellBasell</i>
3:00 PM	New Novel Odor Detection Method <i>Dr. Laura Shereda, Asahi Kasei Plastics North America</i>	Flow-Line Defect Analysis for a Thermoplastic Polyolefin <i>David Okonski, General Motors</i>	Understanding the Design Life of Materials. How is it Measured, Why you Should Care, and What is Possible. <i>Chris White, NIST</i>

3:30 PM **BREAK: Sponsored by CIMBAR Performance Minerals**

	Conference Hall - I	Conference Hall - II	Conference Hall - III
	Materials Development Mike Balow, Auxin Consulting, LLC Mark Jablonka, Dow Peter Glenister, LyondellBasell	Process Developments Kurt Anthony, Washington Penn Plastic Co., Inc. Dr. Suresh Shah Dr. Li Lu, Ford Motor Co.	Surface Enhancements & Coatings Dr. Rose Ryntz, Ryntz & Associates Jeff Crist, Ford Motor Co. Jim Keller, Mankiewicz Coatings LLC
4:00 PM	Benefit of Long Chain Branched PP (LCB) for Foam Molding Dr. Keni Masuda, Japan Polypropylene <i>Mr. CK Yoon, Mytex</i>	Knit-Line Defect Analysis for a Thermoplastic Polyolefin <i>David Okonski, General Motors</i>	Adhesion Promotion Using Flame Plasma Surface Treatment - A Tutorial <i>Joseph DiGiacomo, Flynn Burner Corporation</i>
4:30 PM	Santoprene™ TPV E400: New High-Resilience Grade <i>Bhavesh Shah, ExxonMobil Chemical Company</i>	Enhanced Screw Element Designs for Improved Throughput and Quality of Highly Filled Polyolefins <i>Paul Andersen, Coperion Corporation</i>	Quantitative Determination of Adhesive Strength in Polymeric Laminates and Coatings <i>Dr. Sue, Texas A&M University</i>
5:00 PM	An Additive Approach to Tailored Melt Strength in PP and TPO <i>Brett Robb, Total Cray Valley</i>	Composite Hybrid Reinforcements in Tailgates: A Feasible Solution for Mass Production? <i>Dinesh Munjurulimana, SABIC</i>	Over-molding Decoration (OMD) <i>Tom Barr, Wavelock</i>

5:30 PM Reception: Sponsored by Braskem

Wednesday, October 9, 2019

7:30 AM **Registration & Continental Breakfast: Sponsored by Red Spot**

8:30 AM Introduction of Keynote Speaker: Conference Co-Chair, Bill Windscheif, Advanced Innovative Solutions, Ltd.

8:45 AM **Keynote: “Plastics Sustainability and State of Recycling” by Kim Holmes, Vice President, Sustainability at Plastics Industry Association (Conference Halls I & II Combined)**

9:15 AM **BREAK: Sponsored by TBD**

	Conference Hall - I	Conference Hall - II	Conference Hall – III
	Interior Applications & Laminating Adhesives Dr. Pravin Sitaram, Haartz Corporation Sarah Gatzek, Ford Motor Co. Hoa Pham, Freudenberg Performance Materials	Process Developments Kurt Anthony, Washington Penn Plastic Co., Inc. Dr. Suresh Shah Dr. Li Lu, Ford Motor Co.	Surface Enhancements & Coatings Dr. Rose Ryntz, Ryntz & Associates Jeff Crist, Ford Motor Co. Jim Keller, Mankiewicz Coatings LLC
9:30 AM	High Performance Reactive Hot Melt Adhesives for PVC - TPO foam skins <i>Dr. Martin Weller, H. B. Fuller Adhesives Deutschland</i>	Numerical Case Study Assessing Key Factors of Foaming Ability in Injection Molded Parts <i>Alex Baker, Moldex3D N.A.</i>	Characterization of Stress in Protective Automotive Coatings <i>Jennifer David, Momentive</i>
10:00 AM	TPO Frame for Acoustic Parts <i>Meagan Marko, Noble Polymers, LLC</i>	Optimized Extrusion Process for developing High Performance & Lightweight TPOs <i>Dr. Tanmay J Pathak, LyondellBasell</i>	Effect of Long-chain Branching on Scratch Behavior of Polypropylene <i>Dr. Sue, Texas A&M University</i>
10:30 AM	SRD-5219: Pre-Applied Waterbased Adhesive for Automotive Interior Applications <i>Jessica Gunder, Sunstar Engineering Americas</i>	Ultrasonic Welding of Thermoplastic Olefins (TPO's) <i>Dr. Jane Lu, LyondellBasell</i>	Experimental Observation and Numerical Modeling on Mar Behavior of Amorphous Polymers <i>Shuoran Du, Texas A&M University</i>
11:00 AM	New Soft Feel Polypropylene Compound with Excellent Scratch Performance for Automotive Interior Applications <i>Dr. Zahra Fahimi, SABIC</i>	Plastic Processing Solutions using Integrated Infrared Thermal Machine Vision <i>Chris Lemmons, Emittted Energy Corporation</i>	Tuning the Haptic Profile of Soft-touch Waterborne Coatings with Organic Matting Agents and Feel Additives <i>Dr. Xiangyi Zhang, Dow</i>
11:30 AM	Metal Rear Injection for Decorative Automotive Interior Surfaces <i>Jeff Bailey, Nolax AG</i>	Improved PP LGF for Aesthetic Parts <i>Tony Samurkas, Trinseo Performance Plastics</i>	Advances in Commercial Technology for Scratch & Mar Resistance in TPO Compounds <i>Mike McCormack, AESSE Sales & Distribution</i>

12:00 Noon **BOX LUNCH: Sponsored by Alterra Holdings**