

2020 SPE International Polyolefins Conference Preliminary Program

Feb 23-26, Hilton Greenspoint Houston Hotel, 12400 Greenspoint Dr., Houston, TX 77060 281-875-2222
 Register at www.4spe.org/polyolefins2020

Salon A

Salon B

Salon C

Salon D

Sunday PM

	Mark Denmark Memorial Tutorial Session, Dr. Pal Arjunan (Eureka - Globchem)	
1:00-2:00 PM	3D Printing in Polyolefins - An Update	Prof. Roberto (Gobet) Avincula - Case Western University, Cleveland, OH, USA
2:00-2:45 PM	PP Sustainability Development - update	John M. Layman – P&G
3:00-3:30 PM	Coffee Break	
3:30-4:30 PM	PO Sustainability Measures	Jill Martin, Dow Chemical
4:30-5:30 PM	ASTM Testings - An Update	Paul O'Connel, Dow Chemical

Monday AM

	Plenary, Clifford Lee & Luyi Sun Moderators	
8:15-9:00		
9:00-9:30		
9:30-10:30	Break & Exhibits	
10:30-11:00		
11:00-11:30		
11:30-12:00		

Monday PM

	Salon A	Salon B	Salon C	Salon D
	Polymer Modifiers and Additives (Hayder Zahalka, SI Group)	Advances In Catalysis (Alma Dzdudza and Amaia Montoya – W.R. Grace)	Films & Packaging (Judy Webb, Sasol)	Design for Sustainability (Mridula (Babli) Kapur)
1:30	A 30 Year Retrospective of BASF Antioxidants for Polyolefins; 1990-2020 Rick King, BASF	LyondellBasell Advancing Catalyst Technology and Sustainability – Stephen Davis, LyondellBasell	Packaging that Sells – Emily Curry, Michelman	Renewables Marketing Claims associated with using Green PE - Joseph Jankowski, Braskem
2:00	Effects of Molecular Weight of Thermoplastic Fluorinated PPA on Various Melt Index LLDPE Polymers – David Seiler Sr., Arkema	Spherical MgE Support for Ziegler Natta Catalysts – Bodo Richter, Evonik Resource Efficiency GmbH	Processing-Property relationships for polyethylene blown films using six factor statistical modeling - Mubashir Qamar Ansari, Dow Chemical	Commercializing Recyclable Plastic Packaging – A Journey of Discovery – Larry Effler, Dow Chemical
2:30	The Next Generation of Non-Alkylphenyl Polymeric Phosphites: Increased Phosphorus and Performance – Michael Jakupca, Dover Chemical	Modulating Polyolefin Microstructure via Stimuli-mediated, Redox-Active Ni(II) π -Diimine Catalysts – Brian Long, Univ. of Tennessee	Celanese Ateva® Extruded EVA & LDPE Resins for Flexible Packaging Applications – Nagarjuna Palyam, Celanese	Improving Physical Properties in Sustainable Thermoplastic Elastomers through Incorporation of a Tra – Megan Robertson, U. of Houston
3:00	30 min Break & Exhibits			
3:30	Plastic Additives, Fit for Use in Sensitive Applications, Safe Pure Transparent – Tracey Malone, BASF	2-PHENYL INDOLE.TiCl ₃ . A modifier and a propylene polymerization catalyst – Gregory Arzoumanidis, Oakwood Consulting, Inc	Are We Ready for EPP's Expanding Market Based on Rapidly Decreasing EPP Price? - Chul Park, U. of Toronto	The Role of Mechanical Recycling in the Circular Economy for Polyolefins - Brian Riise, REMADE
4:00	Creating High-Value Added Glass Fiber Reinforced Polypropylene via Polymer Additives Technology - Yota Tsuneizumi, Adeka Corporation	Automated high throughput in silico reaction screening for design of enhanced reactivity – Thomas Mustard, Schrodinger	SKGC, Solution Provider for Sustainable and Functional Flexible Multilayer Packaging - Doh-Yeon Park, SK Innovation	Biomass-based Renewable Polymers -“ A Pathway to a Sustainable Future” - Joshua Yuan, TAMU
4:30	Interactions Between Sorbitol Nucleator and other Common Additives in Polypropylene – Olivier Nguon, Sulis Polymers	Polypropylene Catalyst and Process Technology- Advancing Sustainability – Amaia Montoya, W.R. Grace	Create sustainable flexible packaging solutions, together – Mosah Zhao, ExxonMobil	
5:00				
5:30				

Tuesday AM

	Salon A	Salon B	Salon C	Salon D
	Polymer Modifiers and Additives (Rick King – BASF)	Advances in Process Technology (Wen Li – ExxonMobil)	Plastics Recycling (Donna Davis – ExxonMobil)	Enhancement of properties for polyolefin applications (Moderator: TBD)

8:00	Beyond Antioxidants: Using Microcompounding to Evaluate Stabilizer – Systems in Polypropylene - Niall Marshall, Everspring Middle East	Polymerization Reaction Engineering: A Tool to Keep Polyolefins Relevant in the 21st Century – Joao Soares, U. of Alberta	Overview of the Current Plastic Recycling Landscape - Manuel Prieto, McKinsey	Surface Characterization of Polyolefins Modified by Surface Initiated Radical Polymerization – Atsushi Takahara, Kyushu University
8:30	Talc as Antiblocking in LLDPE: Evaluation of Performance in LLDPE Films of Talc versus other Minerals - Ercoli Malacari Piergiovanni, Imi Fabi Spa	New Nano-layer Blown Film Die & "Dry" Water Quench System – Henry Schirmer, BBS	Chemical Recycling: Upcycling of End-of-Life Plastics – Carlos Monreal, Plastic Energy	Stochastic Estimation of the Lifetime of Polyethylene Pipe with Arbitrarily located Defects – Byong-Ho Choi, Korea University
9:00	Enhanced Stabilization System for Polyolefin Water Pipes - Jungdu Kim, SONGWON	Application of Sulzer Technologies in the Polyolefins Production – Simone Ferrero, Sulzer ChemTech	From Plastics Waste to Certified Circular Polymers - Matt Morrison, SABIC	Leverage Materials Science to Frozen Food Packaging – Jong-Young Lee, Dow Chemical
10:00	60 min Break & Exhibits			
10:30	Analytical Technology to Meet the Challenges of a Sustainable Plastics Economy - Robert Bruell, Fraunhofer LBF	Study of the impact of Induced Condensing Agents on ethylene polymerization in gas phase reactors - Amel Ben Mrad, C2P2 Laboratory	China's Plastic Waste Import Ban : Global & Regional implications – Jim Rounick, He-Ro Chemical	Scratch Behavior of Polymer Coatings - Mohammad Hossain, TAMU-Kingsville
11:00	Advancements in Stabilization for Polyethylene in Rotational Molding - John Sigler, BASF Corporation	Polyolefin Molecular Simulation for Critical Physical Characteristics – Andrea Browning, Schrödinger	Hydrothermal Liquefaction for the Chemical Recycling of Polyolefin Polymers – Bill Rowlands, Lucilla	On characterization of dart impact resistance of thin plastic films – Bikramjit Mukherjee, Dow Chemical
11:30	Evaluation of High Performance Phosphite in PP and HDPE – Hayder Zahalka, SI Group	Predicting Molecular Weight and Composition Distribution for Gas-Phase Polyethylene Products – Yan Jiang, ExxonMobil	Developments in End-of-Life Technologies for Multilayer and Barrier Flexible Packaging – Terry Cooper, Argo	New styrenic block-copolymer impact modifiers for TPO compounds – Amit Desai, Kraton Polymers LLC

Tuesday PM				
	Salon A	Salon B	Salon C	Salon D
	Polymer Modifiers and Additives (Hayder Zahalka – SI Group)	3D Printing (Dave Hansen – SBC Polymers)	Plastics Recycling (Donna Davis- ExxonMobil)	Interfacial Properties of Polyolefin Multiphase Systems (Moderator: TBD)
1:30	Bio-Based Antimicrobial Additive – Safety with Sustainability - Amrita Poyekar, Fine Organics	3D Printing of High Performance Polymers and Nanocomposites – Rigoberto Advincula, CWRU	Recycled Material Standard (RMS) - Laura Thompson, GreenBlue / 4 Minutes, LLC	Quantitative Determination of Interfacial Strength in Commercial Coatings and Laminates - Hung -Jue Sue, TAMU
2:00	Bioadditives: Renaissance and the latest scope - Rudolf Pfaendner, Fraunhofer LBF	Heating, Curing, and Welding of 3D Printed Polymer Systems by Locally Induced RF Heating – Micah Green, TAMU	Agilyx's Role in Commercial Recovery of Chemical Value in Post-Use Plastics – Barry Cavinaw, Agilyx	Curling in Bi-component Fiber Applications – Akanksha Garg, Dow Chemical
2:30	New Advances in Polyolefin Modifiers - Charles Olsen, Savanture LLC		Technology for Ultra-Pure Recycled PP – David Brenner, PureCycle	Experimental validation of deconvolution theory - Raunil Raj, U. of Alberta
3:00	30 min Break & Exhibits			
3:30	Building Sustainability into Additive R&D and Product Portfolios - Emily Blair, Milliken		Borealis Technology Solutions for a Circular Economy – Daniel Rondelez, Borealis	Determination of Interfacial Strength in semi rigid laminates - Glendimar Molero, TAMU
4:00	Polyolefin recycles need novel stabilizer systems - Rudolf Pfaendner, Fraunhofer LBF		Recycling Technology for Plastics Including PVC, PS, Polyolefins, and "Others" – Bob Powell, Brightmark Energy	Tie layer adhesion chemistry for multilayer packaging – Mou Paul, Dow Chemical
4:30	Mechanical recycling Rethinking the additive systems for enhanced recyclability - Yvonne Hed, Norner AS		MRF: Feeding the Recycling Processes with Flexibles via Curbside Collection – JP Mascaro, Total Recycling	Glass Filled Polypropylene with Improved Heat and Chemical Stability – Lili Liu, Geon Performance Solutions
5:00	Influence of additive type and mixing protocol on the properties of LDPE-PA6-blends for films - Christoph Burgstaller, TCKT GmbH		Recent Advancements in incorporating post-consumer recycled PE for packaging applications – Yongchao Zeng, Dow Chemical	Fundamentals of Twin-screw Compounding - Effective Mixing, the Key to Product Quality – Justyn Pyz, Coperion

Wed. AM				
	Salon A	Salon B	Salon C	Salon D
	Polymer Modifiers and Additives (Hayder Zahalka – SI Group)	Polyolefin pipe applications (Tom Walsh and John Kurdziel)	Plastics Recycling / Packaging (Donna Davis- ExxonMobil)	Adv. in Characterization (Willem DeGroot)
8:00	Stabilization of Polymers for a more Circular Economy - Robert Sherman, Baerlocher	Resilient stormwater management – Daniel Figola, Advanced Drainage Systems	Compatibilizers to Improve Re grind Utilization and Recycling of Multilayer Barrier Rigid Packaging - Hyunwoo Kim, Dow Chemical	Characterization of the Field Failure of Polyethylene Pipe Using Slow Crack Growth Tests - Byoung-Ho Choi, Korea University
8:30	Antioxidant solutions for plastics recycling - Hartmut Siebert, Clariant		Recycling and Sustainability : Plastic industry challenges and how to face them - Jungdu Kim, Songwon	Quantification of LMWO in Polyolefin Products for Food Packaging and Hygiene Application – Shuhui Kang, ExxonMobil
9:30	New Color Removal Technology For Recycled Polyolefins- Martin Pavlik, SI Group		Using COCONUT SHELL POWDER to Enhance the Mechanical Properties of Polyolefins, Make them More Environmentally Friendly and Reduce their Sensitivity to Ultra-Violet Radiation – David Jack, Baylor	Characterization of Solids Flow Behavior in Degassers and Purge Columns – Jay Khambekar, Jenike & Johanson
10:00	30 min Coffee Break			
10:30	Toughness, Stiffness and Transparency Control of PO Containing Nanofibrils - Jinchuan Zhao, University of Toronto		Material Options for TPO Waterproofing Membranes – Yyshan Hu, Dow Chemical	Modern Analytics: Making Polyolefins Perform – Robert Bruell, Fraunhofer LBF

11:00	Improved polypropylene stabilization with new catalyst neutralizers - Donald Beuke, Mitsui Plastics Inc.		Bag-in-Box Liquid Packaging Solutions - Patrick Thomas, PR Thomas Technologies, LLC	Separating effective high density polyethylene segments from olefin block copolymers – Yongfu Li, Dow Chemical
11:30	Deformation & Failure Analysis of Apparently Similar Polymers Using Multiple Modes of Pyrolysis-GC - Rojin Belganeh, Frontier Lab			Thermodynamic Interactions in Blends of Poly(ethylene-co-ethyl ethylene) and 1,4-Polysoprene - Xuejian Chen, U. of Houston
11:30				Universal Calibration for Polyolefins, Resolution vs Reproducibility, optimizing the balance – David Gillespie, Dow Chemical