



INTERNATIONAL POLYOLEFINS CONFERENCE

Houston, Texas • February 24-27, 2019

Presented by SPE South Texas Section, SPE Polymer Modifiers and Additives Division, and SPE Thermoplastic Materials and Foams Division

Tuesday Morning - February 26

8:00 am - 5:00 pm Student Posters [Atrium]

8:00 am - 12:00 pm **Registration (Campobello)**

8:00 am - 12:00 pm	Polymer Modifiers and Additives (Salon A) Moderator: Kyle Hart, Dow New Opportunities for Stabilizers through Circular Economy Rudolf Pfaendner, Fraunhofer LBF	Process Technologies (Salon B) Moderator: Wen Li, ExxonMobil Chemical Company Click Chemistry within LDPE Jan Duchateau, SABIC	Sustainability and Packaging (Salon C) Moderator: Judy Webb, Sasol Impact of Sustainability Upsurge on Polyolefin Demand Roberto Ribeiro, Townsend Solutions	Non-Destructive Testing (Salon D) Moderator: Tom Walsh Elevated Temperature Testing and Validation of Long-Term Performance for PE Piping Materials Tom Walsh, Plastic Pipeline Integrity, LLC
8:00 am - 8:30 am				
8:30 am - 9:00 am	Effect of Mold Temperature and Additive on Scratch Behavior of TPOs at Elevated Temperatures Hung-Jue Sue, Texas A&M University	The Borealis Technologies Suite Toolbox for Innovative Solutions beyond Common Polyolefin Applications Franz Langhauser, Borealis Polyolefine GmbH	New Balance of Polypropylene Stiffness, Heat Resistance, and Processability for Packaging Daniel Johnson, ExxonMobil Chemical Company Xuejia Yan, ExxonMobil Chemical Corporation	Microwave Interaction with Polyethylene and Its Use in Inspection of Joints Bob Stakenborghs, ILD/Evisive
9:00 am - 9:30 am	Compatibilizing PP and PET an	Online Transition Between	Material Reduction and Biobased	Microwave Inspection of

9:30 am - 10:30 am	approach for recycling of unseparable plastic streams Christoph Burgstaller, Managing Director and Head of R&D, TCKT Break (Atrium)	Incompatible Catalysts Nayef AL-Enazi, SABIC	Materials Use For More Sustainable Polymer Packaging Abdellah Aji, Polytechnique Montréal	Composites and other Dielectric Materials Donald McNicol, Sonomatic Inc.
10:30 am - 11:00 am	New Hydrogenated Styrenic Block Copolymers for PP Modification Bing Yang, Kraton Polymers	Improved Understanding of the Impact of Alkanes when Using Condensed Mode Cooling for PE Production Timothy F. L. McKenna, Université de Lyon	Integrating Post-Consumer HDPE Resin in Film Applications Sandra Lewis, Envision Plastics	Qualifying a Masterbatch for Use with a Pressure Pipe Resin to Meet PE 4710 Pipe Requirements Taha Abdulla, Sasol
11:00 am - 11:30 am	New Nano Additives Patented Technology and Recently Howard Paul, America P & G Co.	Hyperzone PE Process Technology Gerben Meier, LyondellBasell	Sustainable Plastics: How Plastic Additives can Enable a Circular Economy Katrina Knauer, BASF	Ultrasonic Technology Applied to Polyethylene Pipe Butt-Fusion Joints Uses, Limits, Acceptance Criteria
11:30 am - 12:00 pm	Enhanced Dispersion and Properties in Polypropylene Composites Processed Employing Extensional Mixing Elements Chaitanya Danda, Case Western Reserve University	SMOLEFIN and SWILE - Paradigm Shift in Polyolefin R&D and Quality Control Jos de Keijzer, Workflow Architect, Chemspeed	Biomimetic Nanocoatings with Exceptional Mechanical and Barrier Properties for Polyolefin Films Luyi Sun, University of Connecticut	Accelerated Slow Crack Growth Resistance Tests For Characterization of High-Performance Bimodal HDPE Pipe Materials Cliff Mure, Univation Technologies/Dow
12:00 pm - 1:30 pm	Lunch (Donatello Ballroom Upstairs)			