



# 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

8:00 am - 5:00 pm

**Registration (Campobello)**

8:00 am - 12:00 pm

**Student Posters (Atrium)**

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

8:30 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 Processibility 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	<p>approach for recycling of unseparable plastic streams Christoph Burgstaller, Managing Director and Head of R&amp;D, TCKT</p> <p><b>Break (Atrium)</b></p>	<p>Incompatible Catalysts Nayef AL-Enazi, SABIC</p>	<p>Materials Use For More Sustainable Polymer Packaging Abdellah Aji, Polytechnique Montréal</p>	<p>Composites and other Dielectric Materials Donald McNicol, Sonomatic Inc.</p>
10:30 am - 11:00 am	<p>New Hydrogenated Styrenic Block Copolymers for PP Modification Bing Yang, Kraton Polymers</p>	<p>Improved Understanding of the Impact of Alkanes when Using Condensed Mode Cooling for PE Production Timothy F. L. McKenna, Université de Lyon</p>	<p>Integrating Post-Consumer HDPE Resin in Film Applications Sandra Lewis, Envision Plastics</p>	<p>Qualifying a Masterbatch for Use with a Pressure Pipe Resin to Meet PE 4710 Pipe Requirements Taha Abdulla, Sasol</p>
11:00 am - 11:30 am	<p>New Nano Additives Patented Technology and Recently Howard Paul, America P &amp; G Co.</p>	<p>Hyperzone PE Process Technology Gerben Meier, LyondellBasell</p>	<p>Sustainable Plastics: How Plastic Additives can Enable a Circular Economy Katrina Knauer, BASF</p>	<p>Ultrasonic Technology Applied to Polyethylene Pipe Butt-Fusion Joints Uses, Limits, Acceptance Criteria</p>
11:30 am - 12:00 pm	<p>Enhanced Dispersion and Properties in Polypropylene Composites Processed Employing Extensional Mixing Elements Chaitanya Danda, Case Western Reserve University</p>	<p>SMOLEFIN and SWILE - Paradigm Shift in Polyolefin R&amp;D and Quality Control Jos de Keijzer, Workflow Architect, Chemspeed</p>	<p>Biomimetic Nanocoatings with Exceptional Mechanical and Barrier Properties for Polyolefin Films Luyi Sun, University of Connecticut</p>	<p>Accelerated Slow Crack Growth Resistance Tests For Characterization of High-Performance Bimodal HDPE Pipe Materials Cliff Mure, Univation Technologies/Dow</p>
12:00 pm - 1:30 pm	<p><b>Lunch (Donatello Ballroom Upstairs)</b></p>			