



# 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*

## Monday Afternoon - February 25

Time	<b>Polymer Modifiers and Additives (Salon A)</b> Moderator: Rick King	<b>Catalyst Technologies (Salon B)</b> Moderator: Amaia Montoya, WR Grace Moderator: Alma Dzudza, WR Grace	<b>Film and Flexible Packaging (Salon C)</b> Moderator: Donna Davis, ExxonMobil Chemical Company	<b>Pipe and Long-Term Uses (Salon D)</b> Moderator: John Kurdziel, Advanced Drainage Systems
1:30 pm - 5:30 pm				
1:30 pm - 2:00 pm	Twenty-five Years of Light Stabilizer Applications and Development for Polyolefins Joseph Fay, Technical Fellow, BASF Corporation	LyondellBasell Technology: Advancing Possible Steve Davis, LyondellBasell	State of the Flexible Packaging Industry Alison Keane, Flexible Packaging Association	Life Cycle Assessment for Corrugated HDPE Drainage Pipe Daniel Currence, Plastic Pipe Institute
2:00 pm - 2:30 pm	Optimizing Stabilization Systems for Polyolefins Using Traditional and Specialty Antioxidants Rick King, Senior Technical Manager, Plastic Additives Business Unit, BASF	Borealis Sirius Catalyst Technology Enabling Factor for Sustainable Growth Nora Vaarne, Borealis Polymers Oy		The Performance Requirements for Recycled HDPE Materials in Various Pipe Applications John Kurdziel, Advanced Drainage Systems
2:30 pm - 3:00 pm	Development of a Polyolefin Stabilizer Blend with Predefined Properties and Food Contact Status Robert Sherman, Technical Director for the Special Additives	Advanced Molecular Polyolefin Catalysis: Enabling Growth and Sustainability Philip Fontaine, Dow Chemical Company	A Holistic View of the Role of Flexible Packaging in a Sustainable World Todd Bukowski, PTIS Global	Kinetics of Slow Crack Growth in HDPE Pipes Jung-Wook Wee, Korea University

Division, Baerlocher

**Break (Atrium)**

3:00 pm - 3:30 pm

3:30 pm - 4:00 pm

Low VOC Stabilization Systems for PP Automotive Applications  
JungDu Kim, Technical Service Manager, SONGWON International Americas

Ti AND Zr Catalysts in the Macromolecular Melt Regenerate Unfilled and Filled Virgin, Re grind and Recycled Plastics  
Salvatore J. Monte, Kenrich Petrochemicals, Inc.

Solutions for the Circular Economy: Designing for Recyclability  
Barry Morris, Dow  
Jill Martin, Development Fellow, Dow Chemical Company

Performance Validation of Recycled HDPE Pipe Materials by the Un-notched, Constant Ligament Stress Crack Test (UCLS)

4:00 pm - 4:30 pm

Effect of HALS against photo degradation of greenhouse PO film under severe sulfur fumigation  
Yota Tsuneizumi, ADEKA Corporation

Synthesis of Polyolefins with Controlled Microstructures Using Single Site Group 4 Transition Metal Catalysis  
YANSHAN GAO, Northwestern University

Biaxially Oriented Polyethylene (BOPE) Films Fabricated via Frame Process and Applications Thereof  
Justice Alaboson, Dow Chemical

Resin Blending and Variability of HDPE Recycled Pipe Materials  
Daniel Figola, Advanced Drainage Systems

4:30 pm - 5:00 pm

Enhancing the Properties of Polyolefins to Accelerate Market Adoption  
Jian-Yang Cho, Solvay

Investigating and Improving MAO Activation Efficiency of Metallocenes for Olefin Polymerization  
Matthew Thorn, WR Grace

Extreme Performance Polyethylene Resins  
Mosha Zhao, ExxonMobil Chemical Company

Pipe Stiffness: What it is and what it is not.

5:00 pm - 5:30 pm

Study of the effect of ASTM and ISO testing conditions on mechanical properties of polypropylene  
Jing Zhong, W.R. Grace&Co

5:30 pm - 7:30 pm

**Welcoming Reception--Sponsored by PMC (Donatello Ballroom Upstairs)**