



# 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

1:30 pm - 5:30 pm

### **Polymer Modifiers and Additives (Salon A)**

Moderator: Rick King

### **Catalyst Technologies (Salon B) Film and Flexible Packaging (Salon C)**

Moderator: Amaia Montoya, Grace

Moderator: Alma Dzudza, WR Grace

### **Pipe and Long-Term Uses (Salon D)**

Moderator: John Kurdziel, Advanced Drainage Systems

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 Division, Baerlocher

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

3:00 pm - 3:30 pm	<b>Break (Atrium)</b>			
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.	Optimization of Bond Strength and Barrier Performance for Ultra-High Web Speed Metallizing Applications Neil Morrison, Applied Materials	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	<b>Welcoming Reception--Sponsored by PMC (Donatello Ballroom Upstairs)</b>			