



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

Break (Atrium)

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, Regrind 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

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