



SPE Polyolefins Preliminary Program As of December 1, 2008

February 22-25, 2008

Hilton Hotel North Houston, Houston, Texas, USA

To register go to the following website: <http://www.spe-stx.org/PolyolefinsConference.htm>

Tutorial – Chair: Lan Nguyen, Heritage Bag Company, Sunday, February 22, 12:30 PM [Fundamentals of Polyolefins.](#)

Plenary – Session Chair: Donna Davis, ExxonMobil Chemical, Monday, February 23, 8:00 AM

Hacskaylo, John	Dow Chemical Company	Feedstocks for the Plastics Industry: Fossil Fuel or Bio-Based?
Singh, Balaji	Chemical Marketing Resources, Inc.	Impact of Bio-plastics on Current and Future Polyolefin Applications/Markets
Adams, Gary	CMAI	The Polyolefins Industry: A Health Check
Mei, Grabele	LyondellBasell, Inc.	Recent Technical Developments in Polypropylene
Stakem, Greg	Univation Technologies	Recent Technical Developments in Polyethylene
Venkataswamy Krishna	GLS, Corp.	Recent Technical Developments in Olefinic Elastomers

Catalysis and Process Advancements–Session Chair: Bill Beaulieu, ChevronPhillips Chemical, Monday, February 23, 1:00 PM

McDaniel, Max	Chevron Phillips Chemical	The Effect of Pore Volume on Catalyst Activity
Makela-Vaarne, Nora	Borealis	Sirius Catalyst Technology
Matherne, Peggy	Albemarle	ActivCat (TM) Custom Supported Catalysts Employing our Next Generation Family of Activators
Shih, Ivan	Grace Davison	Single-Site Catalyst Solutions- High Performance Inorganic-Oxide Support, Support-activator and metallocene compounds for Olefin Polymerization
Yukawa, Kiyoshi	Japan Polypropylene Corp	Advanced metallocene-based R-TPO produced with gas-phase JPP HORIZONE process
Arjunan, Pal	CMR	Latest Commercial Trends in Polyolefin Catalysts, Process, and Materials
Lee, Bob	Shell	Linear Alpha Olefins and Polyolefins Comonomer Technology Overview

New Developments in Polymer Stabilization – Session Chair: John Osby, DOW Chemical, Monday, February 23, 1:00 PM

Nayak, Kasinath	Albemarle Corporation	A Technological Approach to the Processing and Long Term Stabilization of HDPE Pipe
Negishi, Yoshinori	ADEKA Corporation	A Solution for UV Irradiation Protection Using a Novel Hindered Amine Light Stabilizer
Maltby, Adam	Croda Polymer Additives	High performance UV barrier additives based on dispersed transparent metal oxides
Steele, Thomas	Cytec	Why Does Chlorine Make My Pipe Performance Go Down the Drain?
Kaprinidis, Nikolas	Ciba Corporation	Optimized UV Stabilization Systems for TPO and TPE Applications
King, Rick	Ciba Corporation	Impact of Various Acid Scavengers on Phenol and Phenol Free Stabilization Systems in a Film Grade zn-LLDPE

Material Advances for New Packaging Functionality: Session Chair: Pieras DeCleir, Monday, February 23, 1:00 PM

Aubee, Norman	Nova Chemical	Improving Bubble Stability and Melt Strength by blending Cyclic Olefins
Bodine, Jessica	Mica Corporation	Using Adhesive Resin Blends as a Starting Point for Clear Retort Structures
Cushing, Ginger	Michelman	Single-Step Heat Seal Coatings for Film Substrates
Lee, Dr. Clifford	CMR Inc.	Specialty Polyolefins: Technologies, Applications, Markets, and Global Trends
Tataraka, Paul	TOPAS	Advanced Polymers Thermoforforming Enhancement with Cyclic Olefin Copolymer
Manias, Evangelos	Pennsylvania State Univ.	Tailored Polyolefin/Layered-Silicate Nanocomposites with Novel Functionalities

Polyolefins in Infrastructure Applications – Session Chairs: Bryan Hauger, CP Chem and White Jee, Ineos, Tuesday, February 24, 8:00 AM

Remias, Joe	Lyondell Basell Industries	Polypropylene Resin for Use in Drainage Applications
Bethel, Kyle	Smart Pipe	Polyolefin Composite Pipe for Oil and Gas Pipe Rehab
Kurziel, John	Advanced Drainage Systems	Stress Crack Protocol for HDPE Pipe Structural Member

Developments in Film Extrusion and Extrusion Coating Processes–Session Chair: Jessica Bodine, _____, Tuesday, February 24, 8:00 AM

Dunn, Tom	Printpack	Heat Seal Die Improvements for Single Serve Condiment Packets
Luliano, Sam	EDI	Improved Flexible Packaging Film Barrier Performance via Layer Multiplication
Blin, Andreas	BBE Formtec	Searching the Limits - A quest for the boundaries in film extrusion
Abdellah, Aji	Ecole Polytechnique de Montreal	Process, Structure and Properties of Cast and MDO Stretched Films of HDPE, PP, and Blends of Random and Linear PPs
Piffer, Lou	Davis Standard LLC	Low or No Cost Extrusion Coating Improvements

Nanotechnology Developments in Polyolefins – Session Chair: Luyi sun, Total, Tuesday, February 24, 8:00 AM

Schirme, Henry	BBS Corporation	Nano-layers in Blown Film
Drzal, Lawrence	Michigan State University	Graphite Nanoplatelets: A NanoReinforcement for Modifying Mechanical, Thermal, Electrical and Barrier Properties of Polyolefins
Opsahl, Ross	AkzoNobel	Hydrotalcite Nanoclay Developments for Packaging & FR
Lan, Tie	Nanocor	Nanomer® Nanoclay Modified Polyolefin Nanocomposites
Schwab, Joseph	Hybrid Plastics, Inc	POSS Dispersion and Flow Aids for High Performance Polyolefins

Polyolefins Testing and Characterization–Session Chair: Vasilios Gallitsatos, Lyondell-Basell, Tuesday, February 24, 1:00 PM

Barger, Mark	Dow Chemical	Towards the Future of Plastic Composites in Building and Construction Applications
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Zahalka, Hayder	Chemtura Global Technology	High Performance Antioxidants for Polyolefin Stabilization in Building and Construction Applications
Gupta, Rakesh	West Virginia University	Issues concerning the performance of wood-plastic composites and their possible resolution
Menard, Kevin	Perkin-Elmer	Applications of Fast Scan DSC to polyolefins: Rapid Heating, Isothermal Re-crystallization, and DSC- Raman Techniques
Bishop, Matthew Beaucage, Gregory	Dow Chemical University of Cincinnati	Retractable Pin Mixer for High Throughput Polymer Blending Structure-Property relationships in branched polyethylene

Polymer Modification – Session Chair: Thoi Ho, DOW Chemical, Tuesday, February 24, 1:00 PM

Kochesfahani, Saied	Rio Tinto Minerals	New North American Jetfine® Talcs for Optimum Stiffness/Impact Performance
Yu, Jiong	Ciba Corporation	Recent Additive Development for Rotational Molding
Wright, Kathryn	Kraton Polymers U.S. LLC	Transparent PP Modification with Kraton G1643 via Dry-Blending and Injection Molding
Burkhardt, Brian	Milliken	Improved Aesthetics in Clear Polypropylene Bottles
Ko, Sungrok	Honam Petrochemical	Development Status of PP/Nanoclay Hybrid at Honam Petrochemical Corp. in Korea
Killough, Liam	RIKA International	RIKACLEAR PC1
Sharma, Ashu	Axcel Plastics	Surface Enhancement of TPO Polymers with Improved Flow and Scratch Properties

Packaging Film Testing and Analysis, Case Studies and Capabilities– Session Chairs: Randy Jester,____, Tuesday, February 24, 1:00 PM

Haynes, Clint	Stress Engineering Services	Characterizing the Structural Performance of Flexible Packaging Films for Drop Loading
Darby, Duncan	Clemson University	Case Studies - Center for Flexible Packaging
Wray, Guy	MOCON	Case Studies - Permeability
Mount III, Eldridge	Emmount Technologies	Chemical Analysis of the Polyester/Metal Surface of a Delamination Failure
Brown, Dean	Perkin Elmer	Chemical Imaging Use in the Analysis of Fish Eyes and Identification of Laminate Layers of Plastic Bags
Heveron-Smith, Steve	Lumetrics	Non-Nuclear, Non-Contact Measurement of Multi-layer Films and Packaging Using Super Luminescent Technology

Special PMAD Session

Merrill, Roger	Flint Hills Research	Medical Grade Polyolefins
Kochesfahani, Saied	Rio Tinto Minerals	Talc-TPO Formulations for High Stiffness and Ductile Impact at -40°C
Kelly, Erin	BYK USA A	New Concept to Reduce Odor and Emissions in Polyolefin Compounds
Anderson, Renita	Imerys	Life-Cycle Inventory of Treated Ground Calcium Carbonate: A Cradle-to-Grave Study
Hayder, Zahalka	Chemtura Global Technology	Liquid Antioxidants: Cost-Effective and Innovative Products for Polyolefins

Session Chairs: John Osby, Dow Chemical Wednesday morning February 25, 800 AM

Polyolefin Processing Applications including Wire and Cable –Session Chair: George Roberts, Consultant, Wednesday, February 25, 8:00 AM

Kung, Dominic	Borealis	Reactor Modification of HP-LDPE with Diene and its Applications
Wasserman, Scott	Dow	Polyolefin Development for Wire and Cable (tentative title)
Huotari, Pekka	Maillefer	Processing Polyolefins for High/Medium Voltage Cable (tentative title)
Zelleröhr, Dr. Michael	Troester	Advances in Production of MV, HV and EHV Cables using XLPE Insulation
Christiano, John	Davis-Standard	Extrusion of Zero Halogen Flame Retardant Compounds for Wire and Cable Insulation and Sheathing Applications
Berejka, Anthony	IBA Industrial	Industrial Electron Beam Processing of Polyolefins
Berejka, Anthony	IBA Industrial	Polyethylene Film-Based Radiation Dosimetry

Packaging Sustainability and Source Reduction – Session Chair: Andy Christie, Wednesday, February 25, 8:00 AM

Foederer, Beth	Optex Process Solutions	Machine Audit Plan for Sustainability
Colm, Malcolm	Innovia Films	Sustainability & Carbon Footprinting for Biofilms
Hartig, Leslie	Maverick Enterprises	Advances in Sustainable Packaging
Renita, Jones Anderson	Imerys	Life-Cycle Inventory of Treated Ground Calcium Carbonate: A Cradle to Gate Study

Polyolefins in Emerging Energy Applications– Session Chair: Donna Davis, ExxonMobil Chemical, Wednesday, February 25, 8:00 AM

Kempe Ph.D., Michael	National Renewable Energy Laboratory	Packaging Needs and Concerns of Photovoltaic Modules
Brant, Ph.D, Pat	ExxonMobil Chemical Co.	Recent Advances in Battery Separator Films
Lindner, Thomas Tanks	Lyondell Basell Industries	Biodiesel and HDPE: New Products from Lyondell/Basell Used in Plastic Fuel
Weeks, Ron	The Dow Chemical Company	Turning Sugar Cane into Polyethylene: Bringing Sustainability to New Levels