

TECHNICAL PROGRAM SCHEDULE

October 15 - 18, 2006
Harris-Hidalgo-Navarro Room
Mezzanine Level

Sunday		October 15th, 2006
16:00 - 19:00	Registration	
18:00 - 21:00	Welcome Cocktail	

Monday		October 16th, 2006
7:30 - 8:00	Registration	
8:00 - 8:15	Opening Remarks	
Separation and Fractionation Session 1		
<i>Moderator: Colin Li Pi Shan</i>		
8:15 - 9:00 <i>Keynote Lecture</i>	Harald Pasch , German Institute of Polymers (Germany) High Temp Gradient HPLC and LC-NMR for the Analysis of Complex Polyolefins	
9:00 - 9:30	Edwin Mes , The DOW Chemical Company (The Netherlands) High Molecular Weight Polyolefin Analysis by High Temperature Asymmetrical Flow Field-Flow Fractionation	
9:30 - 10:00	Benjamin Monrabal , Polymer Char (Spain) Crystallization Elution Fractionation, a New Separation Process for Polyolefin Resins	
10:00 - 10:30	Coffee Break	
10:30 - 11:00	Wallace Yau , Equistar Chemicals, a Lyondell Company (USA) A Hybrid 3D-GPC-TREF Technique of Polyolefin Characterization	
11:00 - 11:30	Tetsuya Morioka , Japan Polychem (Japan) Characterization of Propylene Impact Copolymer by On-line Cross-Fractionation Fourier Transform Infrared Technique	
11:30 - 12:00	David M. Meunier , The DOW Chemical Co. (USA) Molecular Topology Fractionation of Polystyrene Stars and Long Chain Branched Polyethylene Fractions	
12:00 - 13:30	Lunch	
Thermal Analysis		
<i>Moderator: João Soares</i>		
13:30 - 14:15 <i>Keynote Lecture</i>	Rufina Álamo , Florida University (USA) Crystallization of Poly(Propylenes): The Role of Chain Microstructure	
14:15 - 14:45	Herve Marand , Virginia Polytechnic Institute (USA)	

	Multi-Stage Crystallization Behavior of Statistical Ethylene Based Copolymers: Implications for Physical Aging above T _g .
14:45 - 15:15	Vincent Mathot , SciTe & Catholic University Leuven (Belgium) Improving Characterization of Polyolefins: New Routes
15:15 - 15:45	Coffee Break
Spectroscopy NMR / FTIR	
15:45 - 16:15	Peter L. Rinaldi , The University of Akron (USA) New Aspect of Polyolefin Quantitative Analysis Using 1D and 2D NMR
16:15 - 16:45	Katja Klimke , Max Planck Institute for Polymer Research (Germany) Optimised Polyolefin Branch Quantification by Melt-State ¹³ C NMR Spectroscopy
16:45 - 17:15	Sam Qiu , The Dow Chemical Co. (USA) Quantitative Data Analysis of Ethylene/Octene Copolymer C13 NMR Spectrum
17:15 - 17:30	Break
17:30 - 19:00	Vendors Session

Tuesday		October 17th, 2006
7:30 – 8:00	Registration	
Structure and Rheology		
<i>Moderator: Stéphane Costeux</i>		
8:00 - 8:45 <i>Keynote Lecture</i>	John Dealy , McGill University (Canada) Structure and Rheology of Constrained Geometry Polyethylene Copolymers	
8:45 - 9:15	Norky Villareal , CIDAUT (Spain) Comparative Study Between Metallocene Polyolefins Crosslinked by A SIOPLAS E and Beta-Irradiation Process	
9:15 - 9:45	Christian Bailly , Université catholique de Louvain (Belgium) Combining Rheology, Solution Characterization and Modelling : Powerful Methods to Understand Polymer Architecture	
9:45 - 10:15	Cesar García-Franco , ExxonMobil (USA) Chain Architecture – Polyolefin Rheology Relationships	
10:15 - 10:45	Coffee Break	
Separation and Fractionation Session 2		
<i>Moderator: Willem deGroot</i>		
10:45 - 11:15	David Gillespie , The DOW Chemical Co. (USA) Analysis of Very-Low Comonomer Content Polyolefins by “Reverse Crossfractionation”	
11:15 - 11:45	Alberto Ortín , Polymer Char (Spain) Development of an Automated Cross Fractionation Apparatus TREF-GPC for a Full	

	Characterization of the Bivariate Distribution in Polyolefins
11:45 - 12:15	Ines Mingozzi , Basell (Italy) Recent Advances in Polyolefin Copolymers Characterisation: Structural Fractionation and Related Material Properties
12:15 - 13:30	Lunch (<i>Austin Room</i>)
<i>Moderator: Benjamin Monrabal</i>	
13:30 - 14:00	Minoru Terano , Japan Advance Institute of Science and Technology, JAIST (Japan) Application of Fractionation Technique to the Studies of Olefin Polymerization Kinetics and Polymer Degradation
14:30 - 14:30	Thomas Sun , ExxonMobil (USA) What Is the Critical Size Parameter in Size Exclusion Chromatography?
14:30 - 15:00	Greg Saunders , Polymer Laboratories (UK) PL Olexis – New Columns for the Analysis of Polyolefins by Size Exclusion Chromatography
15:00 - 15:30	Coffee Break
15:30 - 16:00	Colin Li Pi Shan , The DOW Chemical Co. (USA) Characterization of Olefin Based MultiBlock Copolymers Produced by Chain Shuttling Catalysis
16:00 - 16:30	Chung Tso , Chevron Phillips (USA) ATREF Kinetics: Effect of Cooling/Heating Rate on Resin Chemical Composition Distribution Profile
16:30 - 17:00	Siripon Anantawaraskul , Kasetsart University (Thailand) A Kinetic Model of Crystallization Analysis Fractionation (CRYSTAF)
17:00 - 17:15	Break
17:15 - 19:15	Vendor Session Cocktail – Sponsored by DOW Chemical – <i>Bexar-Travis-Nueces Room (Mezzanine Level)</i>

Wednesday		October 18th, 2006
High-Throughput Characterization		
<i>Moderator: Harald Pasch</i>		
8:00 - 8:45 <i>Keynote Lecture</i>	Miro Petro , Symyx Technologies (USA) RAMPS - Rapid Automated Multimodal Polymer Separation System for Polyolefins Characterization	
8:45 - 9:15	Pal Arjunan , CMR-Innovante (USA) High Throughput Combinatorial Capabilities to Polyolefin Industries: New Materials Development/Catalyst Evaluation	
9:15 - 9:45	Andrew Pasztor , The DOW Chemical Co. (USA) Application of High Throughput Characterization of Polyolefins by Differential Scanning Calorimetry	

9:45 - 10:15	Coffee Break
10:15 - 10:45	João Soares , University of Waterloo (Canada) A Comparative Study of Characterization Techniques for Polyolefins: Crystaf, TREF, Solution DSC and Solid State DSC of Polyethylene and Ethylene/1-Hexene Copolymers
10:45 - 11:15	Peter Montag , Polymer Standards Service (Germany) High Temperature Gel Permeation Chromatography (GPC) Coupling Methods for Complex Polyolefin Applications
11:15 - 11:45	Wei Sen Wong , Viscotek (USA) Flow Injection Polymer Analysis (FIPA) for Quality and Process Control
12:00	Adjournment and Goodbye
13:00	Closure