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	
Moderator: Colin Li Pi Shan	
8:15 - 9:00 *Keynote Lecture*	**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 Company (USA) Molecular Topology Fractionation of Polystyrene Stars and Long Chain Branched Polyethylene Fractions
12:00 - 13:30	Lunch
Thermal Analysis	
Moderator: João Soares	
13:30 - 14:15 *Keynote Lecture*	**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 Tg.
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 Company (USA) Quantitative Data Analysis of Ethylene/Octene Copolymer C13 NMR Spectrum
17:15 - 17:30	Break
17:30 - 19:00	**Poster Session** **Cocktail, Sponsored by The Dow Chemical Company** Bexar-Travis-Nueces Room (Mezzanine Level)

Tuesday	**October 17th, 2006**
7:30 – 8:00	Registration
Structure and Rheology	
Moderator: Stéphane Costeux	
8:00 - 8:45 *Keynote Lecure*	**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	
Moderator: Willem deGroot	
10:45 - 11:15	**David Gillespie**, The Dow Chemical Company (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 *(Austin Room)*
Moderator: Benjamin Monrabal	
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 Company (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 Vendors -** *Bexar-Travis-Nueces Room (Mezzanine Level)*

Wednesday	**October 18th, 2006**
High-Throughput Characterization	
Moderator: Harald Pasch	
8:00 - 8:45 *Keynote Lecture*	**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 Company (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**