

TECHNICAL PROGRAM SCHEDULE

November 8-10

The Hyatt on the Bund –The Bund Ballroom-

Sunday		November 7th, 2010
17:30 - 19:30	Registration	
19:30	Welcome Cocktail	

Monday		November 8th, 2010
7:00 - 8:00	Registration	
8:00 - 8:15	Opening Remarks	
<i>Morning Sessions Moderator: Prof. Dujin Wang</i>		
General		
8:15 - 9:00 <i>Keynote Speaker</i>	Charles Han Chinese Academy of Sciences (China) Structure and Morphology Characterization of an In-reactor Alloy of iPP/PEOc	
9:00 - 9:30	Colin Li Pi Shan ¹ , Matthew Miller ² , Dean Lee ² ¹ The Dow Chemical Company, Dow Elastomers R&D (USA) ² The Dow Chemical Company, Corporate Analytical Sciences (USA) Next Generation Separation Technologies for Elastomers' Characterization	
9:30 - 10:00	Vishal Goel, G.S. Kapur , Shashikant Indian Oil Corporation Ltd, R&D Division (India) Effect of Process and Catalyst on Microstructure of Linear Low Density Polyethylene (LLDPEs)	
10:00 - 10:30	Coffee Break	
Separation - Fractionation (I)		
10:30 - 11:00 <i>Invited Speaker</i>	Robert Brüll ¹ , R. Chitta ¹ , A. Ginzburg ^{1,2} , T. Macko ^{1,2} ¹ German Institute for Polymers-DKI (Germany) ² Dutch Polymer Institute-DPI (The Netherlands) High Temperature Liquid Chromatography and HT 2D-LC of Polyolefins	
11:00 - 11:30	Tibor Macko ¹ , R.G. Alamo ² , Y. Wang ³ , R. Brüll ¹ ¹ German Institute for Polymers-DKI (Germany) ² FAMU/FSU College of Engineering (USA) ³ University of Memphis (USA) Relations Between Retention Volume in Liquid Chromatography of Polyolefins and Their Average Chemical Composition	
11:30 - 12:00	Rongjuan Cong ¹ , Willem DeGroot ¹ , Wallace Yau ¹ , Lonnie Hazlitt ¹ , Al Parrott ¹ , Zhe Zhou ² ¹ Basic Plastics Characterization ² Analytical Sciences The Dow Chemical Company (USA)	

	Thermal Gradient Interaction Chromatography for Microstructure Analysis of Polyolefins
12:00 - 12:30	Benjamin Monrabal Polymer Char (Spain) Crystallization Elution Fractionation and Thermal Gradient Interaction Chromatography. Techniques comparison
12:30 - 13:30	Lunch
<i>Afternoon Sessions Moderator: Prof. Minoru Terano</i>	
Separation – Fractionation (II)	
13:30 - 14:00 <i>Invited Speaker</i>	Wallace W. Yau¹ , Rongjuan Cong ¹ , Jian Wang ¹ , Zhe Zhou ² , David Gillespie ³ ¹ Basic Polymer Characterization ² Analytical Science ³ Information Research-Robotics The Dow Chemical Company (USA) A Generalized Long Chain Branch Index (LCBI) Method with SCB and MW Polydispersity Corrections
14:00 - 14:30	Yandi Fan, Yanhu Xue, Chunyu Zhang, Xuequan Zhang, Xiangling Ji* , Shuqin Bo* Changchun Institute of Applied Chemistry, Chinese Academy of Sciences (China) Characterization of Microstructure for Two Kinds of Impact Polypropylenes
14:30 - 15:00	Peter Montag PSS Polymer Standards Service GmbH, (Germany) Some Like It Hot! HT-SEC from Contract Service Lab View
15:00 – 15:30	Coffee Break
Rheology (I)	
15:30 - 16:00 <i>Invited Speaker</i>	Koh-hei Nitta¹ , T. Seko ¹ , K. Iwasa ² , H. Yoshida ² ¹ Graduate School of Natural Science and Technology, Kanazawa (Japan) ² Sekisui Chemical Co. Ltd (Japan) Rheo-Optical Studies of Polypropylene-based Materials: iPP/clay Nanocomposites
16:00 - 16:30	Xiaofeng Yu¹ , Chuangye Qin ¹ , Yuxian An ¹ , Toseef Ahmed ² ¹ Saudi Basic Industries Corporation – SABIC (China) ² Saudi Basic Industries Corporation – SABIC (Saudi Arabia) Gel Characterization for LLDPE Films
16:30 - 17:00	Joachim Kaschta¹ , Martin Kothmann ¹ , Julia A. Resch ^{1,2} , Helmut Münstedt ¹ ¹ Institute of Polymer Materials, Friedrich-Alexander (Germany) ² now : Senoplast Klepsch&Co. GmbH (Austria) Influence of LCB-Concentration on Rheological Properties of Metallocene Linear Low Density Polyethylenes
17:15	Poster Session
19:00	Poster Session Cocktail

Tuesday		November 9th, 2010
Morning Sessions Moderator: Prof. Joao Soares		
Morphology (I)		
8:00 - 8:30 <i>Invited Speaker</i>	Katsuhisa Tokumitsu^{1*} , Y. Kitagawa ¹ , M. Yamada ² , K. Kobori ² ¹ The University of Shiga Prefecture, (Japan) ² Osaka Gas Chemicals, Co., LTD. (Japan) The Effect of Adding Polysilane into Polyolefins	
8:30 - 9:00	Soon-Deok Kim¹ , Won-Sook Choi ¹ , Yong-Sung Chun ² ¹ Analysis & Testing Team ² PP development Team, R&D center Samsung Total (South Korea) Effect of Ethylene-Propylene Copolymer Structure on the Physical Properties and Morphology of Impact Polypropylene Copolymer	
9:00 - 9:30	Sumanda Bandyopadhyay¹ , Radha Kamalakaran ¹ , Sharmistha Bhattacharjee ² , Anup K. Ghosh ² ¹ GE India Technology Centre Pvt. Ltd., (India) ² Indian Institute of Technology (India) Studies on Crystallization Kinetics of Isotactic Polypropylene in the Presence of Different Nanofillers	
9:30 - 10:00	Guoming Liu^{1,3} , Yu Guan ^{1,3} , Tao Wen ^{1,3} , Hongyu Chen ² , Xiuqin Zhang ¹ , Dujin Wang ^{1,*} ¹ Chinese Academy of Sciences (China) ² The Dow Chemical Company (China) ³ Graduate University of Chinese Academy of Sciences (China) Morphology and Phase Separation of Olefin Block Copolymers (OBCs)	
10:00 - 10:30	Coffee Break	
Modelling		
10:30 - 11:00 <i>Invited Speaker</i>	Phillip Choi University of Alberta (Canada) Intra and Intermolecular Branch Distribution Dependence of the Solid-State Structure of Polyethylene: Insights from Molecular Dynamics Simulation	
11:00 - 11:30 <i>Invited Speaker</i>	Siripon Anantawaraskul Kasetsart University (Thailand) A Criterion for Bimodality of Chemical Composition Distribution: Application as a Benchmark for Cocrystallization Study of CRYSTAF and CEF	
11:30 - 12:00	XiaoHua Qiu¹ , Gian Gobbi ¹ , Ling Yuan ² , Yong Chen ² ¹ The Dow Chemical Company (USA) ² The Dow Chemical Company (China) Polyolefin Glass Transition Temperature Prediction from Microstructure	
12:00 - 12:30	Johannes G.E.M. Fraaije ¹ , Shyamal Nath² , Klaas Remerie ³ , Jan Groenewold ⁴ ¹ Leiden University (The Netherlands) ² Culgi Inc. (USA) ³ SABIC T&I, STC Geleen (The Netherlands) ⁴ Utrecht University (The Netherlands) Phase Evolution Theory for Polymer Blends with Extreme Chemical Dispersion. Parameterization	

	of Dynamical Density Functional Simulations and Application to Polypropylene Impact Copolymers.
12:30 – 13:30	Lunch
<i>Afternoon Sessions Moderator: Dr. Benjamin Monrabal</i>	
Separation-Fractionation (III)	
13:30 - 14:00 <i>Invited Speaker</i>	Willem DeGroot The Dow Chemical Company (USA) The Use of Statistical Modeling and Chromatography to Characterize both Long Chain and Short Chain Branching Distributions in Polyolefins
14:00 - 14:30	Ahmad Alshaiban, João B. P. Soares University of Waterloo, (Canada) Effect of Hydrogen, Electron Donor, and Polymerization Temperature on Polypropylene Microstructure
14:30 - 15:00	Anuttra Nuamthanom¹, Paweena Kreunin¹, Phusadee Sandee² ¹ Chemistry Program, Department of Science Service (Thailand) ² Thai Polyethylene Co., Ltd, (Thailand) Microstructural Analysis of Poly(ethylene-co-propylene-co-butene) terpolymer by Multidimensional NMR Spectroscopy
15:00 – 15:30	Coffee Break
Morphology (II)	
15:30 - 16:00 <i>Invited Speaker</i>	Said Fellahi¹, I. A. Al-Alush² ¹ Material Development ² Polymer Laboratory SABIC STC (Saudi Arabia) Study of the Effect of Catalyst Type on The Rheological Properties of some PE's Resins
16:00 - 16:30	Camille Descour, A.M.J.Tamara Meijer-Vissers, R. Duchateau, J.G.P. Goossens Technische Universiteit Eindhoven (the Netherlands) Structure-property relationships of olefinic block copolymers
16:30 - 17:00	Hisayuki Nakatani, Kensuke Miyazaki Kitami Institute of Technology (Japan) Preparation of photo-degradable polypropylene by an addition of poly(ethylene oxide) microcapsule containing TiO₂
17:15	Vendor Session
19:00	Vendor Session Cocktail

Wednesday		November 10th, 2010
<i>Morning Sessions Moderator: Dr. Colin Li Pi Shan</i>		
Separation-Fractionation (IV)		
8:00 - 8:30 <i>Invited Speaker</i>	Harald Pasch , Elana de Goede, Peter Mallon University of Stellenbosch (South Africa) Multidimensional Analytical Techniques for Studying the Thermo-Oxidative Degradation of Impact Polypropylene	
8:30 - 9:00	Abdulaziz A. Alghyamah , Joao B. P. Soares University of Waterloo (Canada) Crystallization Elution Fractionation of LLDPE Made by Zeigler-Natta and Metallocene Catalysts	
9:00 - 9:30	Kenji Iiba , Yoshihisa Kusano, Kazuya Sakata Japan Polychem Corp. (Japan) Novel Approach for Determination of Precise Crystallinity Distribution by TREF	
9:30 - 10:00	Tino Otte ¹ , Thorsten Klein ¹ , Robert Brüll ² , Harald Pasch ³ ¹ Postnova Analytics GmbH (Germany) ² German Institute for Polymers-DKI (Germany) ³ University of Stellenbosch (South Africa) Advanced Characterization of Ultrahigh Molar Mass and highly branched Polyolefins by High Temperature Asymmetrical Flow Field Flow Fractionation	
10:00 - 10:30	Coffee Break	
Morphology-Thermal Analysis (III)		
10:30 - 11:00 <i>Invited Speaker</i>	Yongfeng Men Changchun Institute of Applied Chemistry (China) Morphological Characterization of Tensile Deformed High Density Polyethylene via Synchrotron SAXS	
11:00 - 11:30	Javier Martínez-Salazar , S. San Martín, J. Ramos Instituto de Estructura de la Materia, CSIC (Spain) Following the Crystallization Process of Polyethylene Single Chain by Molecular Dynamics: The Role of Lateral Chain Defects.	
11:30 - 12:00	Ewa Kowalska ¹ , Marta Kijenska ¹ , Stanisław Pasynkiewicz ² ¹ Industrial Chemistry Research Institute (Poland) ² Warsaw University of Technology (Poland) Composites of Polyolefin with Lignin – Cellulose Filler	
12:00 - 12:30	Ruifeng Li ¹ , Gang WANG ¹ , Dongxia LI ¹ , Xiuling MU ¹ , Xiang LI ² ¹ Daqing Chemical Engineering Research Center (China) ² Northeast Petroleum University, (China) Crystallinity Degree of Polyethylene Sheets and Films Evaluated by X-ray Diffraction Analysis Method	
12:30	Adjournment and Goodbye	
12:45	Lunch	