

6th ICPC TECHNICAL PROGRAM SCHEDULE

November 6-9, 2016
Hotel Hyatt on the Bund

SHORT COURSE <i>(GlassHouse Room)</i>	
Sunday November 6, 2016	
7:30 - 8:15	Registration Short Course <i>(GlassHouse Room Foyer)</i>
8:15 - 18:00	Short Course on Polyolefin Characterization Techniques <i>(GlassHouse Room)</i>

CONFERENCE Registration and Welcome <i>(Sunday)</i> <i>(Bund Ballroom)</i>	
18:00 – 19:00	Conference registration <i>(Bund Ballroom Foyer)</i>
19:00 – 21:00	Welcome Cocktail <i>(Lower Lobby)</i>

CONFERENCE PROGRAM <i>(Bund Ballroom)</i>	
Monday November 7, 2016	
7:15- 18:00	Registration <i>(Bund Ballroom Foyer)</i>
8:15 - 8:30	Conference Opening <i>Moderator: Benjamín Monrabal</i>
8:30 - 9:15 <i>Opening Speaker</i>	Jinliang Qiao SINOPEC Beijing Research Institute of Chemical Industry (China) Recent Advances of High Performance Polyolefins.
9:15 - 10:00 <i>Honour Speaker</i>	Wallace W. Yau Polymer Characterization Consultant (USA) Looking Back a Five-Decade Journey with GPC.
10:00 - 10:30	<i>Coffee Break (Bund Ballroom Foyer)</i>
Separation – Fractionation (I) <i>Moderator: Colin Li Pi Shan</i>	
10:30 - 11:00 <i>Invited Speaker</i>	Thiphaya Pathaweisariyakul ¹ , Kanyanut Narkchamnan ¹ , Boonyakeat Thitisuk ¹ , Wonchalerm Rungswang ¹ , Wallace Yau ² ¹ SCG Chemicals (Thailand), ² Polymer Characterization Consultant (USA) Determination of Number and Type of Long Chain Branching by Triple Detector Gel Permeation Chromatography (GPC-3D).
11:00 - 11:25	Shuhui Kang ¹ , Carlos R. López-Barrón ¹ , Yiming Zeng ² , Timothy P. Lodge ² , Frank S. Bates ² , Pat Brant ¹ ¹ ExxonMobil Chemical Company (USA), ² University of Minnesota (USA) Impact of Molecular Weight and Comonomer Content on Polyolefin Deuteration through Catalytic Hydrogen-Deuterium Exchange.
11:25 - 11:50	David Gillespie ¹ , Dibyaranjan Mekap ² , Sydney Duckworth ¹ , Phillip Tyler ¹ The DOW Chemical Company (¹ USA, ² The Netherlands) A New Band-Broadening Approach: A Generalistic Method for Resolution Enhancement in Chromatographic Detection.

11:50 - 12:15	Huang Honghong ^{1*} , Guo Meifang ¹ , Wang Liangshi ¹ , Alberto Ortin ² , Esther López ² , Juan Sancho-Tello ² , Wallace Yau ³ ¹ Beijing Research Institute of Chemical Industry, SINOPEC (China), ² Polymer Char (Spain) ³ Polymer Characterization Consultant (USA) 3D-GPC Method of Measuring Polymer Persistence Length.
12:15 - 12:40	Alberto Ortin , Esther López, Pilar del Hierro, Nuria Mayo, Benjamín Monrabal Polymer Char (Spain) Towards accurate Molar Mass Distribution in PP – PE binary mixtures and EP copolymers by single detector HT-GPC-IR: Full deconvolution and variable calibration curve methods.
12:40 - 13:40	<i>Lunch (Lower Lobby)</i>
Separation – Fractionation (II) <i>Moderator: Minoru Terano</i>	
13:40 - 14:10 <i>Invited Speaker</i>	Harald Pasch , Paul Bungu University of Stellenbosch (South Africa) Analytical LEGO for the Determination of Branching in LDPE.
14:10 - 14:35	Jacques Tacx ¹ , P. D. Iedema ² ¹ SABIC (The Netherlands), ² University of Amsterdam (The Netherlands) Scattering Behavior of Polyethylenes having Linear and Branched Structure in Dilute Solutions and Relations between Molecular Parameters.
14:35 - 15:00	Manoela Ellwanger ^{1*} , Adriane Simanke ¹ , Ana Paula Azeredo ¹ , Benjamin Monrabal ² ¹ Braskem (Brazil), ² Polymer Char (Spain) Characterization of LCB-PP Through Fractionation Techniques.
15:00 - 15:30	<i>Coffee Break (Bund Ballroom Foyer)</i>
Morphology Session (I) <i>Moderator: Minoru Terano</i>	
15:30 - 15:55	Yusuke Hiejima , Takumitsu Kida, Koh-hei Nitta Kanazawa University (Japan) Orientation Distribution Functions of Polyethylene and Polypropylene during Tensile Stretching Determined by Rheo-Raman Spectroscopy.
15:55 - 16:20	Rafael A. Garcia-Muñoz ¹ , Almudena Fernandez ¹ , M. Teresa Exposito ¹ , Begoña Peña ² , Rudiger Berger ³ , Jie Shu ³ , Robert Graf ³ , Hans W. Spiess ³ ¹ Rey Juan Carlos University (Spain), ² Repsol (Spain), ³ Max-Planck-Institute for Polymer Research (Germany) Impact polypropylene Copolymers Studied by Preparative TREF, Solid State NMR Spectroscopy, and SFM Microscopy.
16:20 - 16:45	Xuanbo Liu , Wenbo Song, Meifang Guo Beijing Research Institute of Chemical Industry, SINOPEC (China) The Influence of the Composition on the Structure and Properties of Impact Polypropylene Copolymers.
16:45 - 17:10	Xiangling Ji , Yanhu Xue, Shuqin Bo Changchun Institute, Chinese Academy of Sciences, (China) Comparison of the Chain Structures between High-speed Extrusion Coating Polyethylene Resins.

POSTER SESSION (Monday)		(Bund Ballroom)
17:10	Posters Introduction (1 min. / poster).	
17:45	Posters Area Visit.	
19:00 – 21:00	Cocktail (Bund Ballroom).	

Tuesday		November 8, 2016
Spectroscopy		<i>Moderator: Dujin Wang</i>
8:30 - 9:00 <i>Keynote Speaker</i>	Shih-Yaw Lai Institute of clean and low carbon energy (NICE) and Shenhua New Materials Technology Company (China) Transformation Polyolefins Characterization into Value via Material Sciences based New Product Development.	
9:00 - 9:30 <i>Invited Speaker</i>	Zhe Zhou ¹ , D. Redwine ¹ , R. Kuemmerle ² , R. Cong ¹ , J. Klosin ¹ , Y. He ¹ , X. Qiu ¹ , B. Winniford ¹ , M. Miller ¹ , P. Chauvel ¹ , W. deGroot ¹ , K. Beshah ¹ , C. Li, D. Lee ¹ ¹ The DOW Chemical Company (USA), ² Bruker (Switzerland) The Journey of 10 mm High Temperature Cryoprobe for Polyolefin Characterization.	
9:30 - 10:00	Ravindra Kumar , Sujit Mondal, Veena R. Bansal, G. S. Kapur Indian Oil Corporation Ltd (India) Relook in Quantitative ¹³CNMR Spectroscopy Analysis for Polyolefin's.	
10:00 - 10:30	Coffee Break (Bund Ballroom Foyer)	
Morphology Session (II)		<i>Moderator: Dujin Wang</i>
10:30 - 11:00 <i>Invited Speaker</i>	Rufina G. Alamo Florida State University (USA) Composition Distribution, Chain Architecture and Melt Topology Effects on Self-Nucleation and Crystallization of Ethylene Copolymers.	
11:00 - 11:25	Ralf Kleppinger ^{1,2} , Rieky Steenbakkens ² , Maria Soliman ² , Ajay Tarayia ³ ¹ DSM Resolve (The Netherlands), ² SABIC (The Netherlands), ³ SABIC (India) Structure-Property Relations in Die-Drawn Pipes: Insights from X-ray Texture Analysis.	
11:25 - 11:50	Xiang Geng ¹ , Gregory Meyers ² , Myra Zhai ¹ , Ming Ming ¹ The Dow Chemical Company (¹ China, ² USA) Nano Mechanical Measurement Of Polyolefin Blends With PeakForce Quantitative Nano Mechanics (PFQNM).	
11:50 - 12:15	Wonchalerm Rungswang , Chatchai Jarumaneeroj, Thippaya Pathaweeisariyakul, Saraya Trisilanun SCG Chemicals (Thailand) Recently Developed Calculation for Tie-chain Concentration via Cross-fractionation Technique.	
12:15 - 12:40	Carlos Domínguez , Elena Fuentes-Paniagua, M. Teresa Expósito, Rafael A. García-Muñoz Rey Juan Carlos University (Spain) Influence of Polymer Microstructure in The Properties of Polyethylene Resins Used for Pipe Application.	

12:40 - 13:40	Lunch (Lower Lobby)
Separation – Fractionation (III) Moderator: <i>João Soares</i>	
13:40 - 14:10 <i>Invited Speaker</i>	Tibor Macko , Sampat Singh Bhati, Robert Brüll Fraunhofer Institute - LBF (Germany). Chromatographic Tools for Studying Chemical Composition Distribution of Polyolefins.
14:10 - 14:35	Rongjuan Cong , Z. Zhou, M. Janco, D. Lee, C. Li Pi Shan The DOW Chemical Company (USA) Recent Progresses in Polyolefin Microstructure Characterization.
14:35 - 15:00	Saeid Mehdiabadi , João B.P. Soares University of Alberta (Canada) A Systematic Study on Main Factors Affecting High-Temperature Thermal Gradient Interaction Chromatography.
15:00 - 15:30	Coffee Break (Bund Ballroom Foyer)
Rheology / Modeling Moderator: <i>João Soares</i>	
15:30 - 16:00 <i>Invited Speaker</i>	Vasileios Touloupidis , Andreas Albrecht Borealis Polyolefine (Austria) A Deconvolution Method For Estimating Reactivity Ratios Of Multi-Site Type Catalysts Using GPC-IR and ¹³C NMR Measurements.
16:00 - 16:25	Siripon Anantawaraskul ¹ , Charut Vichitlimaporn ¹ , Kanyanut Narkchamnan ¹ , Joao B.P. Soares ² ¹ Kasetsart University (Thailand), ² University of Alberta (Canada) Generalized Bimodality Criteria of Polyolefin Microstructural Distributions.
16:25 - 16:50	Joachim Kaschta , Peter Kunzelmann, Stephan Seidl, Dirk W. Schubert Institute of Polymer Materials, Friedrich-Alexander-University (Germany) Performance of Biaxially Stretched Films Made of Binary and Ternary Blends Containing Linear and Long-Chain Branched PP.
16:50 - 17:15	Iakovos Vittorias , Volker Dolle LyondellBasell (Germany) Characterization and Properties Prediction of Multi-Modal Ziegler-catalyst based HDPE.
17:15 - 17:40	Miloud Bouyahyi , Younes Turki, Lidia Jasinska-Walc, Rob Duchateau SABIC (The Netherlands) In-Reactor Functionalization of Polyolefins by Catalysis.
17:50	Vendor Session
19:00 - 21:00	Cocktail (Bund Ballroom Foyer)

Wednesday		November 9, 2016
Separation – Fractionation (IV)		<i>Moderator: Alberto Ortín</i>
8:30 - 9:00 <i>Invited Speaker</i>	Boping Liu ECUST Shanghai Univ. (China) Micro-structure Characterization Combined with Molecular Dynamics Simulation for the Development of One-Pot Bimodal PE with Better SCBD.	
9:00 - 9:25	Zengrong Zhang NOVA Chemicals Corporation (Canada) Isolation of the Contribution from Structural Parameters to the Property of Ethylene 1-Olefin Copolymers.	
9:25 - 9:50	Peter Montag Polymer Standards Service GmbH (Germany) High Temperature Coupling Techniques for Technical (Polyolefin) Polymers.	
9:50 - 10:15	Anton Ginzburg, Luca Rongo, Guillaume Magan, Tom Schoffelen, Sander Janssen, Andre Jansen, Bjorn Valkeners, Raf Sergiacomo SABIC (The Netherlands) Automation and Robotics in Polyolefin Synthesis and Characterization.	
10:15 - 10:45	<i>Coffee Break (Bund Ballroom Foyer)</i>	
Ancillary Techniques		<i>Moderator: Alberto Ortín</i>
10:45 - 11:15 <i>Invited Speaker</i>	Christian Wold, Elena Uliyanchenko, Stijn Rommens SABIC (The Netherlands) Matrix Assisted Laser Desorption Ionization Time of Flight Mass Spectroscopy (MALDI-TOFMS) Method for Identification of Polyolefin Organic Additives.	
11:15 - 11:40	Toshiaki Taniike, Naoki Aratani, Minoru Terano Japan Advanced Institute of Science and Technology (Japan) Chemiluminescence Imaging as a Powerful Screening Tool for Polymer Degradation and Stabilization.	
11:40 – 12:05	Soheyl Khajepour-Tadavani¹, Gholam-Reza Nejabat^{*1}, Seyed-Mohammad-Mahdi Mortazavi² ¹ Islamic Azad University, ² Iran Polymer and Petrochemical Institute (IPPI) Investigating Surface Changes In High Density Polyethylene Films Containing Oxo-Biodegradable Additives After UVC Irradiation By Atomic Force Microscopy: Phase Contrast.	
12:05 - 12:30	Toshifumi Kakiuchi, Yuko Arinami, Yuka Nagagata Asahi Glass Co. Ltd. (Japan) Structural Characterization of Low Molecular Mass Polyethylene by High Resolution MALDI-TOFMS.	
12:30 - 13:40	Adjournment and Goodbye, Lunch (<i>Lower Lobby</i>)	