



Sunday, July 4	
Room	PDC 103
8:00-14:00	Executive Committee Meeting
Room	Max Bell Foyer
12:00-19:00	Registration
Room	Max Bell Auditorium
14:00-14:15	Introduction to Meeting Takeshi Kikutani, PPS President and U. Sundararaj, PPS-26 Chair Co-Chairs of James L. White Session: Sadhan Jana, Miko Cakmak, Ashok Misra
14:15-14:40	I03-711 James Lindsay White: A Founder of Polymer Engineering as an Academic Discipline <i>Isayev Avraam I, University of Akron, USA</i>
14:40-15:20	I03-708 Structure Development in Polymer Processing <i>Kikutani Takeshi, Tokyo Institute of Technology, Japan</i>
15:20-15:40	Coffee Break
15:40-16:20	I03-709 Polymeric Nanofibres <i>Saha Petr, Tomas Bata University, Czech Republic</i>
16:20-17:00	I03-710 Greener Natural Rubber <i>Suchiva Krisda, National Metal and Materials Technology Center, Thailand</i>
17:00-17:40	I03-750 Progress in Rheology in aid to Polymer Processing <i>Koyama Kiyohito, Yamagata University, Japan</i>
19:00-22:00	RECEPTION Kinnear Centre 101/103/105



Monday, July 5

Monday, July 5							
Room	Max Bell Auditorium (simulcast in Max Bell MB 252 Room)						
7:45-8:00	Opening : Welcoming Words						
Chair	U. Sundararaj						
8:00-9:00	Plenary Lecture : Polymer-Nanoparticle Materials, <i>Donald R. Paul, University of Texas at Austin, USA</i>						
9:00-9:10	Break to change rooms						
Room	Max Bell Auditorium	Max Bell MB 251	Max Bell MB 252	Max Bell MB 253	Max Bell MB 150	TransCanada Pipelines TCPL 201	TransCanada Pipelines TPCL 202
	G08 Morphology and Structure Development	G15 Rheology and Rheometry	G03 Polymer Nanocomposites	G06 Injection Molding and Molds	S03 Recycling and Reuse of Polymers	G07 Mixing and Compounding	G02 Composites
Chair	J.-M. Haudin M. Gahleitner	S. Hatzikiriakos K. Migler	M. Kamal P. Carreau	H. Ito A. Yokoyama	D. Rodrigue	I. Manas-Zloczower B. Vergnes	P. Mertigny L. Pessan
9:10-9:50 Keynote Lectures	G08-96 KN How to Nucleate Polymers, <i>Peters Gerrit W.M., Balzano Luigi</i>	Morand Lambla Lecture G15-372 KN Effects of Polymer/Filler Interactions on the Rheological Properties of Polyolefin Elastomer Nanosilica Composites, <i>Bailly Mathieu, Kontopoulou Marianna, El Mabrouk Khalil</i>	G03-673 KN Carbon and Organic Nanotubes and Some of their Bio-Applications, <i>Bousmina Mosto</i>	G06-339 KN Polymer Rheology at High Shear Rate for Microinjection Moulding, <i>Vincent Michel, Mnekbi Cheima, Agassant Jean-Francois</i>	S03-601 KN Enhancing the Recyclability of Poly (ethylene terephthalate) (PET) for High-Value Applications: Novel Processing by Solid-State Shear Pulverization, <i>Torkelson John M., Pierre Cynthia, Brunner P.J.</i>	G07-21 KN Twin Screw Extruders Used for Reactive Compounding, <i>Sakai Tadamoto</i>	G02-123 KN Modeling Fiber Length Attrition in Molded Long-Fiber Composites, <i>Tucker III Charles L., Phelps Jay H., abd El Rahman Ahmed I., Kunc Vlastimil, Frame Barbara</i>
9:50-10:10	G08-11 Nucleation of Polyolefins: Theory and Practice, <i>Gahleitner Markus, Kheirandish Saeid, Grein Christelle, Wolfschwenger Johannes</i>	G15-5 Constitutive Model for Polymers in Rubber Like State for Thermoforming and Stretch Blow Moulding: How to Use Chain Statistic, <i>Billon Noëlle</i>	G03-102 Effect of Organic and Inorganic Particles on Conductivity of Water Soluble Conductive Polymer-Polyvinyl-Alcohol Composites, <i>Konagaya Shigeji, Terada Mariko, Mutoh Misako, Tada Kaoru, Yamada Toshiro</i>	G06-240 Injection Molding of Long Fibre Reinforced Thermoplastic Systems: Fibre Length Analysis and Impact Properties, <i>Rohde Melanie, Ebel Anna, Altstädt Volker</i>		G07-713 Oxygen Absorption Kinetics of Sodium Erythorbate Blends, <i>Garcia Angela Maria, Medina Jorge Alberto, Joven Ronald, Alvarez Óscar</i>	G02-189 Hygrothermal Ageing of Polypropylene/ Glass Fiber Composites: Influence of Montmorillonite and Maleated PP Compatibilizer Content, <i>Motezuki Joice Erica, Motta Dias Marcelo Henrique, Branciforti M.C., Sousa José Alexandrino</i>

<p>10:10-10:30</p>	<p>G08-118 Assessment of the Effect of Nanoclay Compounding in the Morphology of PP Mouldings Produced with Hybrid Moulds, <u>Pouzada Antonio Sergio, Neves Alessandra Fortuna, Silva Mariana Azevedo, Salmoria Gean Victor, Ahrens Carlos Henrique</u></p>	<p>G15-110 Rheological Model for Short Fiber Suspension in Polymeric Liquid, <u>Park Jang Min, Kwon Tai Hun</u></p>	<p>G03-660 Processing-Microstructure-Property Relationships in Conductive Polymer Nanocomposites, <u>Al-Saleh Mohammed H., Sundararaj Uttandaraman,</u></p>	<p>G06-11 Morphological Development in Water Assisted Injection Molded Polyethylene/Polyamide-6 Blends, <u>Lin Wei-Ru, Lin Kun-Yeh, Liu Shih-Jung</u></p>	<p>S03-466 Electrostatic Separation to Sort and Recycle Plastic Wastes, <u>Albrecht V., Reinsch E., Schünemann R., Peuker U.A., Gohs U., Simon F.</u></p>	<p>G07-115 Effect of the Processing Conditions on the Residence Times in a Twin-Screw Micro-Extruder, <u>Hung Yvong, Carrot Christian, Chalamet Yvan</u></p>	<p>G02-210 Effect of Phenyl-TPOSS and Epoxy-POSS on Mechanical and Surface Properties of TEOS and TEOS/APTES-based Aerogel, <u>Duan Yannan, Randall Jason, Jana Sadhan C.</u></p>
<p>10:30-10:50</p>	<p>Coffee Break</p>						
<p>10:50-11:10</p>	<p>G08-184 A Study on the Role of Nanoclay on Core-Shell Morphology Development in Ternary Blend Nanocomposites, <u>Mohammadigoushki Hadi, Mostofi Sarkari Nima, Nazockdast Hossein</u></p>	<p>G15-120 Rheology and Morphology of Nano-Silica Containing Polypropylene and Polypropylene/Liquid Crystalline Polymer Blend, <u>Foudazi R., Nazockdast Hossein, Salehi Barmi Mohammad Mahdi</u></p>	<p>G03-105 Effects of Feeding Route and State of Cure Upon Percolation Threshold and Rheological Behavior of Electrically Conductive Dynamically Vulcanized, <u>Mirzazadeh Hossein, Katbab Ali Asghar, Hrymak Andrew N.</u></p>	<p>G06-506 CT Data Evaluation of Fibre Reinforced Polymers to Determine Fibre Length Distribution, <u>Salaberger Dietmar, Kastner Johann, Arunachalam Kannappan Kana, Reussner Jens, Auinger Thomas</u></p>	<p>S03-483 Reprocessing of Glass Fiber Reinforced Polypropylene Through Injection Moulding: Investigation of Mechanical, Physical and Rheological Properties, <u>Elsheikhi Salah, Mulvaney-Johnson Leigh, Campean Felician, Gough T., Coates Phil David</u></p>	<p>G07-141 Multicomponent Polymeric Materials by High-Shear-Processing: from Macro to Nano, <u>Li Yongjin, Shimizu Hiroshi</u></p>	<p>G02-31 The Influence of Peroxide Initiated Crosslinking on the Morphology and Physical Properties of PE/Sisal Fibre Micro- and Nano-Composites, <u>Ahmad Essa EM, Luyt Adriaan Stephanus</u></p>
<p>11:10-11:30</p>	<p>G08-191 Enhancement in Tear Properties of Single-Site Catalyzed LLDPE Blown Films at Higher Draw-down, <u>Borse Nitin K, Tas Paul, Aubee Norman</u></p>	<p>G15-13 Flow Induced Crystallization: the Effect of Uniaxial Extension, <u>Sentmanat Martin, Delgadoillo-Velázquez Omar, Hatzikiriakos Savvas</u></p>	<p>G03-107 Composites of Poly(ϵ-caprolactone) with Mo6S3I6 Nanowires, <u>Chin Seow Jecg, McNally Tony, Hornsby Peter, Vengust Damjan, Mihailovic Dragan</u></p>	<p>G06-337 Comparison of Recent Fiber Orientation Models with Measured Fiber Orientation Data in Autodesk Moldflow Insight, <u>Costa Franco, Wang Jin, Jin Xiaoshi</u></p>	<p>S03-99 Close Loop Reuse of PET Bottle Scrap: A New Perspective, <u>Tait Yalan, Jha Vineet, Savage Luke, Ghita Oana, Evans Ken</u></p>	<p>G07-17 A Study of Fibre Breakage During Compounding of Glass Fibre Reinforced Composites, <u>Durin Audrey, Inceoglu Funda, Ville Julien, Ghamri Nessim, Valette Rudy, Vergnes Bruno</u></p>	<p>G02-33 Evaluation of Mechanical Properties of Poly(propylene) and Poly(Lactic Acid) Reinforced by Raw or Corona Treated miscanthus fibres, <u>Ragoubi Mohamed, Molina Stephane, George Beatrice</u></p>



Room	Max Bell Aud	MB 251	MB 252	MB 253	MB 150	TCPL 201	TPCL 202
11:30-11:50	G08-755 Mixing of Polymer Blends and Nanocomposites in a Micro-Twin Screw Extruder <i>Bai Yun</i> <i>Sundararaj Uttandaraman</i>	G15-133 Experimental Study of the Influence Of Preshearing on the Yield Stress of Carbon Black Filled Rubber Using Extrusion Rheometry, <i>Hallmann Tobias,</i> <i>Schoeppner Volker</i>	G03-114 Polypropylene-Based Nano-Composite Formation: Delamination of Organically Modified Layered Filler Via Solid-State Processing, <i>Saito Tomotaka,</i> <i>Okamoto Masami</i>		S03-109 Restabilization of Polyolefin Films Containing Cobalt Stearate as a Photodegradant, <i>Focke Walter</i> <i>Wilhelm, Mashele Puxley</i>	G07-280 A Study on Fabricating Metal Composite Foam Panels with the Use of Clay Fillers for the Control of Cell Structure, <i>Saeki Akiya, Tanaka Tatsuya, Imaida Yutaka, Kinnan Takashi, Miura Hodaka, Fujiura Takayasu Ture</i>	G02-374 Stokesian Dynamics Simulations of the Rheological Properties of Fiber Suspensions in Uniaxial Extensional Flows, <i>Yamanoi Mikio,</i> <i>Maia João</i>
11:50-12:10	G08-513 Morphology/ Block Ratio Correlation and Their effect on Viscoelastic Behavior of Anionic synthesized Styrene-Isoprene-Styrene(SIS) tri-Block Copolymer, <i>Afshar Taromi</i> <i>Faramarz, Vasei Nasrabadi Mitra</i>	G15-664 Stability and Breakup of Confined Threads, <i>Janssen Pieter JA,</i> <i>Anderson Patrick David</i>				G07-440 Mechanical Properties of Poly(carbonate)/Vapor-Grown Carbon Fiber Composites Prepared by Melt Compounding, <i>Nithikarnjanatharn Jittiwat, Ueda Hisai,</i> <i>Tanoue Shuichi,</i> <i>Iemoto Yoshiyuki</i>	
12:10-14:00	Lunch – Sally Borden Building Top Floor PPS Business Meeting 12:45-13:45						
Room	Max Bell Auditorium	Max Bell MB 251	Max Bell MB 252	Max Bell MB 253	Max Bell MB 150	TransCanada Pipelines TCPL 201	TransCanada Pipelines TPCL 202
Chair	M. Huneault		J. Vlachopoulos				
14:00-14:50	Plenary Lecture Polymer Extrusion, <i>José A. Covas,</i> <i>University of Minho, Portugal</i>		Plenary Lecture Micro and Nano Structure Development in Polymer Processing, <i>Musa Kamal,</i> <i>McGill University, Canada</i>				

	G08 Morphology and Structure Development	G15 Rheology and Rheometry	G03 Polymer Nanocomposites	G06 Injection Molding and Molds	G09 Polymer Blends and Alloys	G07 Mixing and Compounding	G02 Composites
Chair	G. Peters P. van Puyvelde	E. Mitsoulis H. Ibnelwaleed	M. Bousmina M. Kamal	L.T. Turng S.-C. Chen	E. Hage J.H. Radusch	I. Manas-Zloczower S. Tanoue	C.L. Tucker P. Mertigny
14:50- 15:30 Keynote Lectures	G08-267 KN Analysis of Microstructural Deformation of HDPE Film During Stretching, <i>Sadeghi Farhad, Aiji Abdellah</i>	<i>Morand Lambla Lecture</i> G15-694 KN Structures and Rheology of Polymers with Long Chain Branching, <i>Wei Yu, Lou Lijuan, Liu Jianye, Zhou Chixing</i>	G03-119 KN PLA-Based Organic- Inorganic Hybrid Materials, <i>Pr��b�� Arnaud, Cassagnau Philippe, Alcouffe Pierre, G��rard Jean- Fran��ois</i>	G06-248 KN The Effects of Various Variotherm Processes and Their Mechanisms on Injection Molding, <i>Huang Chao-Tsai, Hsieh I-Sheng , Tsai Cheng-Han</i>	G09- 469 KN Controlling Coalescence and Break-up in Immiscible Blends with Nanoparticles as Interface Modifiers, <i>Vandebriel Steven , Vermant Jan, Moldenaers Paula</i>	G07-381 KN Analysis and Optimization of Mixing Inside Twin Screw Extruders Using Mapping Method, <i>Sarhangi Fard Arash, Meijer Han E.H., Famili Navid M.H., Anderson Patrick D.</i>	G02-642 KN Mechanical Properties of Knitted-Fiber Reinforced Elastomeric Composites, <i>Bekisli B., Nied Herman F.</i>
15:30- 15:50	G08-30 Compound Eye Array Fabrication Using Polymer Flow into Micro Channels, <i>Park Byung Guk, Choi Kiwoon, Lee Han Sup</i>	G15-190 Aggregation of Carbon Nanotubes in a Semi-Dilute Suspension, <i>Moreira Ludovic, Fulchiron Ren��, Seytre Gerard, Marceau Sandrine, Dubois Philippe, Cassagnau Philippe</i>	G03-17 Carboxylate Clays as a New Route for Polypropylene Nanocomposites from Sodium- Montmorillonite, <i>Rousseaux Dimitri, Sclavons Michel, Godard Pierre, Marchand-Brynaert Jacqueline</i>	G06-674 The Warpage and Birefringence Affected by Multi- Component Injection Molding of Pure/Short Fiber Reinforced Composites, <i>Huang Chao-Tsai , Chen Yi-Cheng, Chang Yuan-Rong , Tseng Shi-Chang</i>	G09-624 The Role of Interfacial Elasticity on the Rheological Behavior of Polymer Blends, <i>Maia Joao, Silva Jorge, N��brega Ana Vera, Moldenaers Paula</i>	G07-445 Modelling the Fibre- Degradation during Compounding of Short Fibre Reinforced Composites Based on Glass Fibres and Polypropylene, <i>Kloke Philipp, Potente Helmut, Schoeppner Volker, Bastian Martin, Kretschmer Karsten, Rudloff Johannes</i>	G02-637 Structure-Property Relationship of Polylactic acid (PLA)/ Poly- caprolactone (PCL)/Talc Composites Films for Packaging Application, <i>Mohanty Amar K., Jain Shikha , Reddy Murali, Misra Manjusri, Ghosh Anup K.</i>
15:50- 16:10	G08-304 New Understanding of Unexpected β -- Crystal Formation of Sheared, Beta- Nucleated Isotactic Polypropylene, <i>Li Zhong-Ming, Chen Yan-Hui, Wang Yan, Mao Yimin , Hsiao Benjamin S.</i>	G15-206 Characterization of Clay Dispersion in Polymer Nanocomposites by Rheological and Dielectric Measurements, <i>Lim Hyung Tag, Ahn Kyung Hyun, Lee Seung Jong, Lee Seong Han, Hong In Gook</i>	G03-104 Semi-Solid State Deformation of Polyethylene Terephthalate/ Multiwall Carbon Nanotubes Nanocomposites, <i>Mayoral Beatriz, McNally Tony, Hornsby Peter</i>	G06-356 Temperature Cycle Moulding for Production of Weld- line Free, High-gloss Parts, <i>Wlodarski P.G., Pittman J.F.T., Sienz J., Crow K., Foad R.</i>	G07-49 Influence of Extrusion Conditions on the Rheological Behavior of Nuclear Bituminized Waste Products (BWP), <i>Mouazen Mouhamad, Poulesquen Arnaud, Vergnes Bruno</i>	G02-760 Experimental study of iPP critical gel point in presence of nanoclay, <i>Sarvi Ali, Sharif, F.</i>	
16:10- 16:30	Coffee Break						



Room	Max Bell Aud	MB 251	MB 252	MB 253	MB 150	TCPL 201	TPCL 202
16:30-16:50	G08-306 Nanostructure Evolution of Thermoplastic Polyurethanes Under Uniaxial Deformation Monitored by SAXS, <i>Frick Achim, Mikoszek Marzena, Stribeck Norbert, Ganjaee Sari Morteza, Zeinolebadi Ahmad</i>	G15-207 Rheological Behaviour and Relaxation Phenomena of Immiscible Blends: Application of Creep, <i>Shaayegan Vahid, Wood-Adams Paula, Raymonde Demarquette Nicole, M.C. Souza Adriana</i>	G03-58 Preparation and Characterization of Conducting Polymer/Carbon Nanotube Composites, <i>Lin Yen-Wen, Lin Shih-Hsiang, Wu Tzong-Ming</i>	G06-400 Pressure and Temperature Dependence of Thermal Conductivity for Injection Molding Simulation, <i>Speight Russell G, Costa Franco S, Klompen Edwin, Hadinata Chitiur</i>	G09-170 Compatibilization of Polyamide 6 and Polylactic Acid Based Resin for Medical Applications by Polyalkenyl-Poly-Maleic-Anhydride Based, <i>Miskolczi Norbert, Varga Csilla, Szakács Hajnalka, Sedlařík Vladimir, Kitano Takeshi, Gregorova Adriana, Mozetic M., Cvelbar U.</i>	G07-521 Analysis and Characterization of the Direct-SMC (D-SMC) Process for Compression Moulded Thermoset Composite Parts, <i>Potyra Tobias, Henning Frank, Elsner Peter</i>	G02-546 Gap-Impregnation: A High Volume Capable Process for Manufacturing Structural Composite Parts, <i>Michaeli Walter, Strohmaecker Joerg, Fischer K., Bastian Robert</i>
16:50-17:10	G08-331 Influence of Extrusion Conditions on the Blend Morphology: In-Line Monitoring by Small Angle Light Scattering, <i>Steinhoff Bernd, Kothe Hans, Simon Felix, Alig Ingo</i>	G15-274 Melt Rheology of Hyperbranched Polystyrene Synthesized with Multi-site Macromonomer, <i>Sugimoto Masataka, Koizumi Takumi, Taniguchi Takashi, Koyama Kiyohito, Saito Katsuhiko, Nonokawa Daigo, Morita Tsuyoshi</i>	G03-580 Polymer Composites Based on Nanocrystalline Cellulose, <i>Hu Wei, Stoeffler Karen, Ton-That Minh-Tan, Denault Johanne, Mahmoud Khaled, Leung Alfred, Luong John</i>		G09-293 Blends of poly(ethylene terephthalate) with a Maleic Anhydride Grafted Styrene-Ethylene-co-Butylene-Styrene, <i>Gilvari Hadi, Aref Azar Ahmad</i>	G07-670 Residence Time Distribution: A Powerful Concept for Building Up Emulsification Curves for Polymer Blends, <i>Hu Guo-Hua, Zhang Cai-Liang, Feng Lian-Fang, Hoppe Sandrine</i>	G02-606 Investigation of the Crosslink Density of Novel Binders for Structural Composites, <i>Edmonds Neil, Zhang Xinyue</i>
17:10-17:30	G08-334 Analysis, Comparison And Interpretation Of Instrumented Charpy And Puncture Impact Test Results Of Brittle To Ductile Transition Behaviour Of PP-Compounds, <i>Simon Sybille, Huber Dieter, Major Zoltan, Lang Reinhold W.</i>	G15-275 Nonlinear Stress Relaxation Behavior Of SiO ₂ /(Acrylic Polymer/Epoxy) Suspensions, <i>Koyama Kiyohito, Uematsu Hideyuki, Sugimoto Masataka, Aoki Yuji</i>	G03-61 Melt Compounding of ZrP Lamellar Nanocomposites Using Aqueous Slurry, <i>Hung Yvong, Carrot Christian, Chalamet Yvan</i>	G06-459 Injection Moulding Process Control Through At-Process Product Mass Estimation, <i>Mohammad Umar, Speight Russell, Coates Phil David, Mulvaney-Johnson Leigh</i>	G09-350 Properties Of Poly (Lactic Acid) And Thermoplastic Starch Blends, <i>Ronasi Sara, Hoppe Sandrine, Hu Guo-Hua, Six Jean-Luc</i>	G07-103 In-Situ Characterisation of Elementary Dispersion Mechanisms of Silica Granules in a Polymer Matrix Under the Action of Shear, <i>Boudimbou Innocent, Peuvrel-Disdier Edith</i>	G02-622 Processing of Multicomponent Composites of Epoxy/ Silsesquioxane Matrix Reinforced With Carbon Fibers and Carbon Nanotubes by Resin Transfer Molding, <i>Pezzin Sergio Henrique, Silva Rafael DS, De Farias Marcelo Alexandre, Amico Sandro Campos, Coelho Luiz Antonio Ferreira</i>

<p>17:30-17:50</p>	<p>G08-352 Towards the Elaboration of New Polymer Blend Morphologies with a New Type of Mixer-Reactor Device Based on Elongational Flows, <i>Muller Rene, Bouquey Michel, Bonnet Julien, Triki Badi</i></p>	<p>G15-284 Study of Polymer/Clay Nanocomposite Morphology: A Rheological and Electron Microscopic Approach, <i>Banerjee Saikat, Joshi Mangala, Ghosh Anup K</i></p>	<p>G03-590 Stimulus-Responsive Polymer/Nanoparticle Composites, <i>Nearingburg Ben, Nguyen Linda, Elias Anastasia L</i></p>	<p>G06-288 Melt Flow Behavior and the Effects of Gas in Gas-assisted Injection Molding, <i>Hsu Chih-Chung, Chiu Hsien-Sen, Yang Wen-Hsien, Chang Rong-Yeu</i></p>	<p>G09-415 Relationship between the Phase Morphology and Impact Properties of Polypropylene/Polycarbonate/SEBS Ternary Polymer Blends, <i>Moini Jazani Omid, Arefazar Ahmad, Jafari Hassan, Beheshty Mohammad Hossein</i></p>	<p>G07-712 Study on the Optimization of the Screw Segment Composition of the Nano-Clay Reinforced Elastomer Composite by Twin Screw Extruder, <i>Maeda Kazuya, Chikaraishi Atsushi, Imaida Yutaka, Tanaka Tatsuya</i></p>	
<p>17:50-18:10</p>	<p>G08-722 PET Nanocomposites Based on Carbon Nanotubes as Matrix for Continuous Glass Fibre Composites, <i>Aurilia M., Sorrentino L., Velotta F., Iannace S.</i></p>	<p>G15-146 Nonlinear Rheology of Phase Separating LCST Blends: Polystyrene/Poly (Vinyl Methyl Ether), <i>Khademzadeh Yeganeh Jafar, Goharpey Fatemeh, Foudazi Reza</i></p>	<p>G03-145 Influence of Processing Technique on Mechanical and Physical Properties of Polymer Nanocomposites, <i>Andreas Witschnigg, Stefan Laske, Kracalik Milan, Holzer Clemens</i></p>	<p>G06-91 Optimum Design Technique for Injection Molding Die by Discrete Optimization Method, <i>Yokoyama Atsushi</i></p>			
<p>18:00-20:00</p>	<p>POSTER SESSION I Kinnear Centre 201/203/205 Wine and Cheese</p>						



Tuesday, July 6

Room	Max Bell Auditorium (simulcast in Max Bell MB 252 Room)						
Chair	A. Hrymak						
8:00-9:00	Plenary Lecture : On the Performance of Static Mixers, <i>Han Meijer, Technical University of Eindhoven, Netherlands</i>						
9:00-9:10	Break to change rooms						
Room	Max Bell Auditorium	Max Bell MB 251	Max Bell MB 252	Max Bell MB 253	Max Bell MB 150	TransCanada Pipelines TCPL 201	TransCanada Pipelines TPCL 202
	I02 Invited Session: John Vlachopoulos	G08 Morphology and Structure Development	G03 Polymer Nanocomposites	G06 Injection Molding and Molds	G09 Polymer Blends and Alloys	G04 Extrusion and Extrusion Processes	G16 Rubber Processing
Chair	C. Tzoganakis	M. Cakmak R. Cermak	S. Bhattacharya N. Borse	M. Vincent H.Ito	C. Gauthier P. Moldenaers	J. Covas T. Kajiwara	A.I. Isayev
9:10-9:50	I02-74 KN Calendering: from JV's Early Work to the Present, <i>Mitsoulis Evan</i>	G08-229 KN Solid-State Property Predictions for Oriented Glassy Polymers Using a Combined Melt-Solid Constitutive Model, <i>De Focatiis Davide</i> <i>Stefano Antonio,</i> <i>Buckley Paul</i>	G03-185 KN Polypropylene – MMT clay Nanocomposites: Process and Post-Process Structuring, <i>Patel Raj, Benkreira Hadj, Khan Atif, Coates Phil, Shen Yucai, Xie Shaobo, Abu-Zurayk Rud, Harkin-Jones Eileen, McNally Tony, Hornsby Peter</i>	G06-250 KN Gas Counter Pressure Control for Microcellular Injection Moulding and Its Application to Rheological Characterization for Polymer Melts Dissolved with Supercritical Fluid, <i>Chen Shia Chung, Hsu Ping Shun , Lin Yu Wan</i>	G09-221 KN Multiple Shape-Memory Effect Polymers on the Basis of Peroxide Crosslinked Binary and Ternary Polyethylene Blends, <i>Radusch Hans-Joachim, Kolesov Igor S.</i>	G04-39 KN Development of Flow Instabilities During Extrusion of Polymer Melts and Polymeric Suspensions: Importance of the Use of Pressure-Dependent Wall Slip, <i>Malik Moinuddin, Tang Hansong, Kalyon Dilhan M.</i>	G16-296 KN Compounding and Processing Studies of Short Aramid Fibre Filled Polymer Compounds, <i>Hintze Christian, Wiessner Sven, Wagenknecht Udo, Heinrich Gert</i>
Keynote Lectures							
9:50-10:10	I02-111 Experimental and Numerical Modeling of the Coextrusion Process, <i>Dooley Joseph</i>	G08-262 Melt Mixing Studies of Miscible and Immiscible Drug-Polymer Systems, <i>Ha Jin Uk, Xanthos Marino</i>	G03-195 Impact Behavior of PP/Nanoclay Injection Moldings, <i>Pettarin Valeria, Pontes Antonio José, Viau G, Viana Julio C., Frontini Patricia María, Pouzada Antonio Sergio</i>	G06-251 Heterogeneous Tensile Behavior of Impact-Modified Polypropylene Plates Processed by Injection Molding, <i>De Almeida Olivier, Touchard Fabienne, Chocinski-Arnault Laurence</i>	G09-3 Toughening of PA 6 by Fine Dispersed Nanosized PA 6-Polyether Block Copolymer Particles, <i>Geier Simon, Poindl Marcus</i>	G04-405 Blown Film Processing of Multilayer Polyethylene and Nylon for Military Food Packaging Applications, <i>Ratto Jo Ann, Schirmer Sarah, Swamy Jay, Becke Gail</i>	G16-122 Crosslinking Control of PDMS Rubber at High Temperatures using TEMPO Nitroxide: Experimental and Modelling, <i>Mani Skander, Cassagnau Philippe, Bousmina Mosto, Chaumont Philippe</i>

<p>10:10-10:30</p>	<p>IO2-152 Nitroxide-Mediated vs Tetra-Functional Peroxide-Controlled Degradation of Polypropylene and Other Adventures, <u>Penlidis Alexander</u>, <u>Tzoganakis Costas</u></p>	<p>G08-556 On Ethylene-Copolymers with Crystallizing Side-Chains, <u>Cermak Roman</u>, <u>Janicek Miroslav</u>, <u>Obadal Martin</u></p>	<p>G03-236 Effect of Uniaxial Deformation on Thermal and Mechanical Properties of the Constrained Polypropylene Composite Fibres, <u>Marcincin Anton</u>, <u>Marcincin Konstantin</u> , <u>Hricova Marcela</u> , <u>Anna Ujhelyiova</u> , <u>Hoferikova Alena</u></p>	<p>G06-273 Numerical Simulation with 3D Visualization Capability in Injection Compression Molding, <u>Hu Shen-Teng</u>, <u>Chiu Hsian-Sen</u>, <u>Chien Ching-Chang</u>, <u>Yu Chau-Kai</u>, <u>Chang Rong-Yeu</u></p>	<p>G09-319 Evaluation of Mechanical Properties of PBT/ABS/MGE Obtained Through Different Mixing Conditions by Twin-Screw Extruder, <u>Ambrósio José Donato</u>, <u>Hage Jr. Elias</u></p>	<p>G04-426 Mixing Elements for High Speed Extrusion, Theory and Practice, <u>Wortberg Johannes</u>, <u>Gorczyca Paul</u></p>	<p>G16-375 Mechanisms of Dispersion in Silica Filled Elastomers, <u>Vincent Frederic</u>, <u>Majesté J.-C</u>, <u>Carrot, C.</u></p>
<p>10:30-10:50</p>	<p>Coffee Break</p>						
<p>10:50-11:10</p>	<p>IO2-252 Microporous Membranes Obtained from Polypropylene/High Density Polyethylene Multilayer Films by Stretching, <u>Tabatabaei Seyed H</u>, <u>Carreau Pierre J</u>, <u>Ajji Abdellah</u></p>	<p>G08-66 Plywood Structure of Injection-Molded Polypropylene, <u>Yamaguchi Masayuki</u>, <u>Irie Yuta</u>, <u>Hagihara Hiroki</u></p>	<p>G03-256 Incorporation of Microfibrillated Cellulose in Polymers via Twin-Screw Extrusion, <u>Quiévy Nicolas</u>, <u>Jacquet Nicolas</u>, <u>Sclavons Michel</u>, <u>Soulestin Jérémie</u>, <u>Paquot Michel</u>, <u>Devaux Jacques</u></p>	<p>G06-297 Hybrid Moulds with Epoxy-Steel Fibre Cores – Mould Performance and Effects of materials and Processing on Shrinkage, <u>Martinho Pedro Miguel</u>, <u>Sabino-Netto Aurelio Costa</u>, <u>Ahrens Carlos Henrique</u>, <u>Salmoria Gean Victor</u>, <u>Pouzada Antonio Sergio</u></p>	<p>G09-335 Dissolution and Diffusion of Nanofilled Thermoplastic Yarns in Epoxy Resins, <u>Dumont David</u>, <u>Daoust Daniel</u>, <u>Sclavons Michel</u>, <u>Devaux Jacques</u></p>	<p>G04-442 Three-Dimensional Extrudate Swell Simulation of Polymer Melts, <u>Tanoue Shuichi</u>, <u>Sunao Takanobu</u>, <u>Iemoto Yoshiyuki</u>, <u>Nojima Shigeyuki</u>, <u>Nomura Sadao</u></p>	<p>G16-403 Mechanical Properties of Natural Rubber with Nanomatrix Structure, <u>Kawahara Seiichi</u>, <u>Yamamoto Yoshimasa</u>, <u>Akabori Keiichi</u></p>
<p>11:10-11:30</p>	<p>IO2-257 Structure and Properties of PLA Nanocomposites Films, <u>Tabatabaei Seyed H.</u>, <u>Ajji Abdellah</u></p>	<p>G08-67 Effect of Particle Presence and Flow at Processing Speeds on Polypropylene Crystallization, <u>DHaese Michelle</u>, <u>Langouche Florentin</u>, <u>Van Puyvelde Peter</u></p>	<p>G03-224 Tailoring of Novel Rubber Nanocomposites for Advanced Applications, <u>Kuruvilla Joseph</u>, <u>Saritha A</u></p>	<p>G06-302 Influence of the Injection Moulding Conditions on the In-Line Measured Electrical Conductivity of Polymer-Carbon Nanotube Composites, <u>Aliq Ingo</u>, <u>Lellinger Dirk</u> , <u>Xu Donghua</u>, <u>Ohneiser Alexander</u></p>	<p>G09-603 Effect of Elastomer Type on the Crystallinity and Physical Properties of PHB or PHB-co-HV / Elastomer Blends, <u>Gauthier Catherine</u>, <u>Calvao Patricia</u>, <u>Chenal Jean-Marc</u>, <u>Demarquette Nicole</u>, <u>Cavaillé Jean-Yves</u></p>	<p>G04-447 A Model-Based Scaling Method for Compounding Processes on Co-Rotating Twin Screw Extruders, <u>Thuemen Anne</u></p>	<p>G16-615 Injection Moulding of Thermoplastic/ Rubber-Composites using Plasma Coatings as Coupling Agent, <u>Michaeli Walter</u>, <u>Groenlund Oliver</u>, <u>Arping T.</u>, <u>Opdenwinkel Kai</u>, <u>von Fragstein Friederike</u></p>



Room	Max Bell Aud	MB 251	MB 252	MB 253	MB 150	TCPL 201	TPCL 202
11:30-11:50	I02-263 The Effects of Additives on the Thermal Stability of PLA, <i>Xanthos Marino, Park Ku-Il, Zhou Quyuan</i>	G08-83 Fabrication of Ultrahigh-Density Array of Nanopatterns by AFM Lithography at Room Temperature, <i>Jo Ara, Kim Jin Kon</i>	G03-349 Stabilization of Immiscible Polymer Blends by Interfacial Confinement of Carbon Nanotubes, <i>Baudouin Anne-Christine, Devaux Jacques, Bailly Christian</i>	G06-307 Replication of Stochastic and Geometric Micro Structures. Effects on functionality and Visual Appearance, <i>Berger Gerald R., Friesenbichler Walter, Teichert Chr.</i>	G09-260 Polymer Blend Electron Beam Irradiated Rheological Behavior, <i>Ahmadi Zahed, Afshar-Taromi Faramarz, Nazockdast Hossein</i>	G04-346 Closed-Loop Quality Control of the Processing of Undried Polycondensates Using Melt Degassing Single-Screw Extrusion, <i>Michaeli E.H. Walter, Ederleh Lennart, Seidel Henning</i>	G16-639 Continuous Rubber Devulcanization Using Supercritical CO ₂ , <i>Meysami Mohammad, Zhu Shuihan, Tzoganakis Costas</i>
11:50-12:10	I02-347 Nano-Scale Compounding via Twin Screw Extrusion: Challenges and Opportunities, <i>Martin Charlie</i>	G08-422 Structure Development During manufacture of BOPP, <i>Basargekar Rajeev S, Preschilla Nisha</i>		G06-8 Surface Replication and Structure in Micro-and Nano-molding With Heat Insulator Mold, <i>Ito Hiroshi, Takahagi Syohei, Zouta Kei-ichi, Kayano Yoshihiro</i>		G04-353 Concept for Die Modularisation in Profile Extrusion, <i>Michaeli Walter, Windeck Christian, Ederleh Lennart, Queudeville Y., Ivanov T., Probst M., Elgeti S.</i>	G16-719 Morphology Development during the Mixing Process of Carbon Black and Silica Filled SSBR.NR Blends, <i>S. Ilisch, H.H. Le, D. Heidenreich, M. Hristov and H.-J. Radusch</i>
11:50 - 14:00	POSTER SESSION II Kinneer Centre 201/203/205						
12:10-14:00	Lunch – Sally Borden Building Top Floor						
Room	Max Bell Auditorium	Max Bell MB 251	Max Bell MB 252	Max Bell MB 253	Max Bell MB 150	TransCanada Pipelines TCPL 201	TransCanada Pipelines TPCL 202
Chair	C. Tzoganakis		F. Mighri				
14:00-14:50	Plenary Lecture Romancing the Rheological Design of Extrusion Dies, <i>John Vlachopoulos, McMaster University, Canada</i>		Plenary Lecture Polymer Nanocomposites: Dynamics in Confined Space, <i>Masami Okamoto, Toyota Technological Institute, Japan</i>				

	I02 Invited Session: John Vlachopoulos	G08 Morphology and Structure Development	G03 Polymer Nanocomposites	G06 Injection Molding and Molds	S02 Polymers for Energy	G04 Extrusion and Extrusion Processes	G14 Reactive Processing
Chair	C. Tzoganakis	G. Peters H. Nazockdast	P. Mertigny T. Li	L.T. Turng G. Titomanlio	U.T. Sundararaj	D. Kalyon J. Covas	M. Xanthos G. Hu
14:50- 15:30 Keynote Lectures	I02-65 KN Contributions of John Vlachopoulos to Melt Fracture and Wall Slip Literature, <u>Hatzikiriakos Savvas G.</u>	G08-369 KN Structure Formation and Crystal Orientation During Shear-Induced Nonisothermal Crystallization of Polypropylene Nanocomposites with Exfoliated MMT, <i>Szkudlarek Ewelina Boyer Séverine A.E., Haudin Jean-Marc, Piorkowska Ewa</i>	G03-209 KN Nucleating Agent Assisted Dispersion of POSS in PP: Properties of Nanocomposite Fibers and Films, <i>Roy Sayantan, Lee Byoung J., Jana Sadhan C.</i>	G06-128 KN Progress in the Simulation of Orientation in Injection Molding of Short Fiber Thermoplastic Composites, <i>Velez-Garcia Gregorio, Mazahir Syed, Wapperom Peter, Baird Donald</i>	S02-362 KN Mechanical Properties of Epoxy Hybrid Nanocomposites Reinforced with Organic Block- Copolymer and Inorganic Nanoclay, <i>Bashar Mohammad Towhidul, Mertiny Pierre</i>	G04-50 KN Influence of the Calendering Step on the Adhesion Properties of Coextruded Structures, <i>Agassant Jean François, Serrat Marie-Celine, Bikard Jerome, Devisme Samuel</i>	G14-37 KN Photoinduced Creep, Shape Change and Stress Relaxation in Crosslinked Polymer, <i>Cook Wayne D, Chen Fei, Nghiem Quoc Dat, Moorhoff Cornelis, Sun Jiazeng, Thang San, Scott Timothy F, Bowman Christopher N.</i>
15:30- 15:50	I02-366 Microinjection Molding – Simulation of Mold Filling Effects, <i>Hrymak Andrew, Apostolou Konstantinos, Chu Jingsong, Kamal Musa, Derdouri Salim</i>	G08-377 Phase Transformation in Extruded Poly(1- butene), <u>Montagova Kristyna</u>	G03-95 Time Dependent Rheological Properties of Polypropylene Nanocomposites, <i>Laske Stephan, Witschnigg Andreas, Kracalik Milan, Holzer Clemens</i>	G06-336 Optical Monitoring of Nanocomposites Crystallization During Injection Molding, <i>Favaro Marcia Maria, Bretas Rosario Elida Suman</i>	S02-82 Concentration of Ethanol from Bio- ethanol through Cellulose Nitrate and Cellulose Acetate membranes during Temperature- difference Controlling, <u>Uragami Tadashi</u>	G04-338 Alternative Extrusion Concepts – One Answer to the Demand of High Efficient Single Screw Extrusion, <i>J. Wortberg, M. Bussmann, M. Großmann</i>	G14-171 In Situ Synthesis of Titanium Dioxide in a Molten Polypropylene Matrix by Hydrolysis- Condensation Reactions in a Twin Screw Extruder, <i>Balhoul Walid, Bounor-Legaré Véronique, Melis F., Cassagnau Philippe, Oddes Olivier, Vergnes Bruno</i>
15:50- 16:10	I02-628 Some Comparisons between Vibration and Laser Welding of Thermoplastic Polymer Systems, <u>Kamal Musa R</u>	G08-446 Formation of Shear- Induced Crystal Precursor Structures in iPP Containing Nucleating Agents, <i>Andrew Phillips, Peng-wei Zhu, Graham Edward</i>	G03-258 On-line Optical Monitoring of the Crystallization of PA6/ MMT Nanocomposite During Injection Molding, <i>Beatrice Cesar Augusto Gonçalves, Bonel Alan Baio, Favaro Márcia Maria, Bretas Rosario Elida Suman</i>	G06-371 Microinjection Moulding – Wall-Slip Evaluation of POM Flow in Microchannels, <i>Vasco Joel Correia, Maia Joao Manuel, Pouzada Antonio Sergio</i>	S02-636 Separation of Ethanol/Water Mixtures through Porous Polypropylene Membranes, <i>Hararak Bongkot, Kerddonfag Noppadon, Chinsirikul Wannee, Kulprathipanja Santi</i>	G04-16 Melt-Mixing by Pitched-Tip Kneading Disks in a Twin-Screw Extruder, <u>Nakayama Yasuya,</u> <i>Takeda Eiji, Kajiwara Toshihisa, Shigeishi Takashi, Tomiya Hideki</i>	G14-232 Chain Extension / Branching of Thermoplastic Polyether-Ester Elastomer by Reactive Extrusion, <i>Jeong Byeong Joon, Kim Hunsoo, Park Jonggun, Lee Eon Seok, Xanthos Marino</i>



Room	Max Bell Aud	MB 251	MB 252	MB 253	MB 150	TCPL 201	TPCL 202
16:10-16:30	Coffee Break						
16:30-16:50	<p>I02-649 A Global Modeling Program for Co-Rotating Twin-Screw Extruders, <i>Teixeira Cristina, Covas Jose, Gaspar-Cunha Antonio</i></p>	<p>G08-387 In-situ Fibrillation of Polymer Blends During Laminating-Multiplying Extrusion and its Effect on their Properties, <i>Guo Shaoyun, Shen Jiabin, Li Ting, Sun Xiaojie, Li Jiang</i></p>	<p>G03-279 Polyethylene Ionomer Based Nano-Composite Foams Prepared by a Batch Process and Mucell Injection Molding, <i>Hidetomo Hayashi, Tomoko Mori, Baiju John, Masami Okamoto, Satoshi Yamasaki, Hiroshi Hayami</i></p>	<p>G06-412 Prediction of Optical Properties for a Transparent Injection Molded Part and Measurement of Residual Stress Using Birefringence Pattern, <i>Hong Jinsu, Lyu Min-Young, Suh Jae-In</i></p>	<p>S02-463 Ageing of Plastic Jacket Pipe for District Heat Piping Systems – Identification and Separation of Relevant Influences, <i>Leuteritz Andreas, Schuricht Winfried, Döring Klaus-Dieter</i></p>	<p>G04-18 Real Time Inspection of Different Particles in Flowing Polymer Melts During Extrusion Processing <i>Stephan Michael, Rudolph Andreas, Grosse Stephan, Stintz M.</i></p>	<p>G14-706 Melt Strengthening and Tuning of the Crystallization Behavior of Poly (lactic acid) Through Reactive Extrusion with Epoxy-Functionalized Chains, <i>Corre Yves-Marie, Maazouz Abderrahim, Duchet Jannick, Reignier Joël</i></p>
16:50-17:10	<p>I02-693 New Toner Technologies for Digital Xerographic Printing, <i>Agur Enno E</i></p>	<p>G08-489 Influence of the Molecular Weight and Styrene to Butadiene Ratio on Morphology, Phase Behaviour and Mechanical Response of S-(S/B)-S triblock Copolymers, <i>Ganss Martin, Thunga Mahendra, Knoll Konrad, Weidisch Roland</i></p>	<p>G03-305 Monitoring of Nanostructure Response on Mechanical Tests in Oriented Nanocomposites, <i>Striebeck Norbert, Zeinolebadi Ahmad</i></p>	<p>G06-443 Visualization Analysis of Material Flow Inside Simple Rib Cavity in Pulp Injection Molding, <i>Keisuke Matsuzaka, Haruki Miyashita, Norimichi Masuda, Hidetoshi Yokoi</i></p>	<p>S02-212 Aminoacid-Assisted Synthesis of TiO₂ Nanocrystals with Controllable Shape and Size: A Novel Agent for the Fabrication of MEH-PPV/TiO₂ Photovoltaic Materials, <i>Vu Thi-Thuy-Duong, Mighri Frej, Do Trong-On, Ajji Abdallah, Patel Jayesh D.</i></p>	<p>G04-125 Coextrusion of Conductive and Dielectric Filled Polymers for Capacitor Applications, <i>Mondy Lisa Ann, Rao Rekha Ranjana, Bieg Lothar, Schroeder John, Stavig Mark, Spangler Scott, Winter M., Mrozek Randy, Lenhart Joseph</i></p>	<p>G14-481 Advancements in Efficiency and Quality of Thermosetting Resins by Using Microwave Curing Methods, <i>Lechner Pia, Wiebel Sebastian, Haupt H., Berger Christina</i></p>
17:10-17:30	<p>I02-75 Fountain Flow Revisited: What New We Learned Since JV's Work in the 80's, <i>Mitsoulis Evan</i></p>	<p>G08-514 Melt and Cold Crystallization Kinetics of PLA: a Comprehensive Approach, <i>De Santis Felice, Pantani Roberto, Titomanlio Giuseppe</i></p>	<p>G03-34 Supercritical Carbon Dioxide as an Exfoliating Agent in the Preparation of a Layered Silicate Polymer Nanocomposite, <i>Liu Jinling, Rodgers William R., Fasulo P. D., Thompson Michael R.</i></p>	<p>G06-531 Influence of Reinforcement Volume Fraction on Fibers Length Reduction in Injection Molding of LGFRT, <i>Berton Matteo, Cellere Alessandro, Lucchetta Giovanni</i></p>	<p>S02-487 Evaluation of Radiation Resistance of Chlorosulfonated Polyethylene to γ-Irradiation as Jacket Cable, <i>Tabaei Maryam, Sheikh Nasrin, Mir Mohamad Sadeghi Gity, Shamayeli Bahman</i></p>	<p>G04-167 An Alternative Analysis of Single-Screw Melting, <i>Campbell Gregory, Spalding Mark</i></p>	<p>G14-667 A Reactive Extrusion Process for the Synthesis and Processability of Polyamide Graft Copolymers, <i>Hu Guo-Hua, Zhang Cai-Liang, Feng Lian-Fang, Hoppe Sandrine</i></p>

<p>17:30-17:50</p>	<p>I02-718 Design and Properties of Polymer Magnetic Composites, <i>P. Saha, N. Kazantseva, J. Vilcakova, R. Moucka, M. Omastova</i></p>	<p>G08-515 Additive Assisted Laser Sintering of Polyetheretherketone: Influence of Process Parameters and Additives on Morphology Development, <i>Kroh Michael, Eyerer Peter</i></p>	<p>G03-385 Tailored Structuring and Biaxial Deformation Behaviour of Polyethylene Terephthalate - Clay Nanocomposites, <i>Shen Yucai, Harkin-Jones Eileen, Xie Shaobo, Abu-Zurayk Rund, McNally Tony, Hornsby Peter, Patel Raj, Benkreira Hadj, Khan Atif, Coates Phil</i></p>	<p>G06-536 Flow Visualisation and Mechanical Analysis of Weld Line Formation in Micromoulding, <i>Whiteside Ben, Richard, Spares Rob, Coates Phil</i></p>		<p>G04-554 Introduction of the Conical Co-Rotating Twin Screw Extruder, <i>Schuschnigg Stephan, Günther Klammer, Holzer C.</i></p>	<p>G14-700 Synthesis of Biodegradable Copolymers, <i>Moura Isabel, Machado Ana Vera, Nogueira Regina, Bounor-Legare Veronique</i></p>
<p>17:50-18:10</p>			<p>G03-557 Preparation and Characterization of Polymer Nanocomposites with Titanium Dioxide Nanoparticles, <i>Bernardo Paulo, Rodrigo Alves, Pessan Luiz, Antonio, Carvalho, Antonio José Félix de</i></p>				
<p>19:00-22:00</p>	<p>BANQUET Kinnear Centre The Morand Lambla Award Ceremony</p>						



Wednesday, July 7

Room	Max Bell Auditorium (simulcast in Max Bell MB 252 Room)						
Chair	U. Sundararaj						
8:00-9:00	Plenary Lecture : Morphology and Properties of Graphene/Thermoplastic Blends, <i>Christopher W. Macosko, University of Minnesota, USA</i>						
9:00-9:10	Break to change rooms						
Room	Max Bell Auditorium	Max Bell MB 251	Max Bell MB 252	Max Bell MB 253	Max Bell MB 150	TransCanada Pipelines TCPL 201	TransCanada Pipelines TPCL 202
	I01 Invited Symposium: C.W. Macosko	G15 Rheology and Rheometry	G03 Polymer Nanocomposites	G12 Process Modeling and Simulation	G09 Polymer Blends and Alloys	G05 Fibers, Films and Membranes	S01 Biomedical Materials
Chair	L. James Lee G.H. Hu	M. Kontopoulou D. Baird	M. Bousmina	R. Rao J.-F. Agassant	E. Hage H.-J. Radusch	A.J. McHugh J.-M. Haudin	A. Ajji
9:10-9:50	I01-665 KN Reactive Polymer Blending, <i>Hu Guo-Hua</i>	G15-635 KN Polymer Rheology and Polymer Mixing 'on a chip', <i>Migler Kalman, Moon Doyoung</i>	G03-552 KN Nanotube Conductive Networks in Microinjected Polymer and Polymer Blends, <i>Abbasi Samaneh, Derdouri Abdessalem, Carreau Pierre J.</i>	G12-379 KN Extended Finite Element Method for Flow Inside Twin-Screw Extruders, <i>Sarhangi Fard Arash, Hulsen Martien A., Meijer Han E.H., Anderson Patrick D.</i>	G09-468 KN Morphology and Mechanical Properties of Physical Blends of PLLA and PBSL Biodegradable Polyesters, <i>Berthe Vincent, Bergeret Anne, Ferry Laurent, Benezet Jean-Charles</i>	G05-132 KN Utilization of High-Speed Melt Spun Bicomponent Fibers for the Preparation of Reflective Polarizing Film, <i>Furuyama Tomonori, Takarada Wataru, Kikutani Takeshi</i>	S01-139 KN Controlling Burst and Final Drug Release Times from Porous Polylactide Devices Derived from Co-Continuous Polymer Blends, <i>Favis Basil D, Xiang Zhenyu</i>
Keynote Lectures							
9:50-10:10	I01-64 Maleic Anhydride Copolymers via Controlled Radical Polymerization, <i>Maric Milan, Lessard Benoit</i>	G15-303 Influence of Thermo-Rheological History on Carbon Nanotube Composite Melts: Combined Rheo-Electrical Experiments, <i>Aliq Ingo, Lellinger Dirk, Skipa Tetyana</i>	G03-467 Effect of Nano-CaCO ₃ on Thermal and Mechanical Properties of Toughened Poly(lactic Acid), <i>Leong Yew Wei, Thumsorn Supaporn, Klinklai Warunee, Hamada Hiroyuki</i>	G12-35 Issues in the Modeling of Paste Extrusion, <i>Mitsoulis Evan, Zisis Thanasis, Hatzikiriakos Savvas G.</i>	G09-510 Tuning Localization of Functionalized MWNT in PC/SAN Blends, <i>Gültner Maren, Göldel Andreas, Pötschke Petra</i>	G05-188 Rheological and Morphological Studies of Poly(lactide)/Clay Nanocomposites Blown Film, <i>Singh Satpal, Ghosh Anup K., Maiti S. N., Gupta Rahul, Bhattacharya S. N.</i>	S01-10 Elution of Vancomycin/Amikacin/Steroid from Solvent-free Biodegradable Scleral Plugs, <i>Liu Shih-Jung, Kau Yi-Chuan, Peng Yi-Jie, Liaw Chau-Wei, Wen Chin-Wei</i>

<p>10:10-10:30</p>	<p>I01-625 Polymeric Multilayer Films for Manufacture of a Composite Dental Device, <i>Jones Todd Douglas, Deeb Gerald, Karim Naimul, Mitra Sumita, Yang Jie, Craig Bradley, Jacobs Dwight</i></p>	<p>G15-51 Shear and Extensional Rheology of Controlled Microstructure Poly(lactic acid) Polymers, <i>Othman Norhayanni, Acosta-Ramírez Alberto, Mehrkhodavandi Parisa, Dorgan John, Hatzikiriakos Savvas G</i></p>	<p>G03-749 Obtaining High Electrical Conductivity in Nanoparticle/ Polymer Nanocomposites, <i>Gelves Genero, Sundararaj Uttandaraman</i></p>	<p>G12-657 Thermal Stresses and Birefringence in Tubes and Multi-Layered Polymer Slabs: Theory and Experiment, <i>Isayev Avraam I, Carrillo Antonio J, Kim Nam Hyun</i></p>	<p>G09-582 Mechanical, Thermal and Rheological Characterization of Polypropylene/Ethylene Vinyl Acetate Blends, <i>Alothman Othman Y., Elleithy Rabeh H, Al-Zahrani Saeed M.</i></p>	<p>G05-92 Analysis of the Deformation Behavior of Multilayer Film in a Transverse Stretching Process with a Tenter, <i>Tosa Takahiro, Yamada Toshiro, Toya Hideki, Sawasato Tadashi</i></p>	<p>S01-140 Dual Functional Ionic Liquids as Plasticizers and Antimicrobial Agents for Medical Polymers, <i>S. Y. Choi, H. Rodriguez, D. Gilpin, S. McGrath, R. D. Rogers, K. Malcolm, M. Tunney, and T. McNally</i></p>
<p>10:30-10:50</p>	<p>Coffee Break</p>						
<p>10:50-11:10</p>	<p>I01-716 Viscoelastic Characterization of Novel Thermoplastic Polyurethanes, <i>Camargo Rafael E, Lindsay Chris I, Wu Lifeng, Hu Tianshen</i></p>	<p>G15-317 Wall Slip and Melt-Fracture of Polystyrene Melts in Capillary Flow, <i>Taniguchi Takashi, Komuro Ryohei, Kobayashi Koji, Sugimoto Masataka, Koyama Kiyohito</i></p>	<p>G03-511 A Relationship Between Microstructure and Surface Paintability of PP/EPDM/organoclay Nanocomposites Interfacially Compatibilized with Ethylene vinyl Acetate, <i>Katbab Ali Asghar, Yousefzadeh Tabasi Ramin</i></p>	<p>G12-165 Simulation of the Melting Process for Barrier-Flighted Single-Screw Extruders Using Screw Rotation Physics, <i>Campbell Gregory A, Spalding Mark</i></p>	<p>G09-666 Dynamic Particle Dynamics: a Powerful Tool for Helping Search Solutions to Improving the Processability of Ultra-High Molecular Weight Polyethylene, <i>Hu Guo-Hua, Gai Jing-Gang, Hoppe Sandrine, Li Lui-Lin</i></p>	<p>G05-97 Polypropylene-Based Long-Life Insecticide-Treated Mosquito Netting, <i>Focke Walter Wilhelm, van Preen Walter</i></p>	<p>S01-169 Collagen Surface Modification by Means of Plasma Treatment, <i>López Jorge Andrés, Pacherník Jiří, Lehocký Marián, Junkar Ita, Humpolíček Petr, Saha Petr</i></p>
<p>11:10-11:30</p>	<p>I01-261 Process Anomalies with Immiscible Blends during Extrusion, <i>Batch Gibson L., Lee Patrick, Lopez-Barron Carlos, Macosko Christopher W.</i></p>	<p>G15-355 Comparative Analysis of Damping Functions for Linear, Pom-Pom and Branched Polymers, <i>Kharlamov Alexander Andreevich, Rolon-Garrido Victor Hugo, Filip Petr</i></p>	<p>G03-522 Modelling Polymer/clay Nanocomposites Using Statistical and Continuum Approaches with Experimental Verification, <i>J Sweeney, A Alshehri, P E Spencer and P D Coates</i></p>	<p>G12-360 A New Type of Mixer Based on Elongational Flow: Numerical Simulation and Flow Visualization, <i>Loux Cyril, Bouchet Gilles, Muller Rene, Bouquay Michel</i></p>	<p>G09-53 Synthesis of Graft Interpenetrating Polymer Networks Based on Epoxy and Urethane, <i>Ghafghazi Mehdi, Esfandeh Masoud, Morshedian Jalil</i></p>	<p>G05-438 Prediction of Deformation Behavior of Film during Transverse Stretching with Consideration of Heated Air Flow in a Tenter, <i>Tokihisa Masayoshi, Kushizaki Yoshiyuki, Tomiyama Hideki, Yamamoto Yousuke, Yamada Toshiro</i></p>	<p>S01-177 Polymer Surface Manipulation for Reduced Thrombogenicity, <i>Venkatraman Subbu, Koh Li Buay, Rodriguez Isabel</i></p>



Room	Max Bell Aud	MB 251	MB 252	MB 253	MB 150	TCPL 201	TPCL 202
11:30-11:50	I01-126 Multiscale Simulation of Sol-Gel Silica Polycondensation in Drying Films, <u>Rankin Stephen E.</u> , <u>Li Xin</u>	G15-398 Rheology of Liquid Crystalline Polymers (LCPs), <u>Gupta Rahul K.</u> , <u>Bhattacharya Sati N.</u>	G03-524 Influence of Shear and Residence Time in Twin-Screw Extrusion of PCL – CNT Composites, <u>Villmow Tobias.</u> , <u>Kretzschmar Bernd.</u> , <u>Pötschke Petra</u>	G12-699 The Effect of Wall Slip in 4:1 Contraction Flows of a PTT Fluid, <u>Ferras Luis Lima.</u> , <u>Pinho Fernando Taveres.</u> , <u>Carneiro Olga Sousa.</u> , <u>Nobrega Joao Miguel</u>	G09-549 A New Theory to Predict Interfacial Tension of Polymer Pairs in Compressible Condition of the Interface, <u>Ramezani-Dakhel Hadi.</u> , <u>Garmabi Hamid</u>	G05-144 Study of Solidification Process in Melt-Spinning of PET/CNT Fibers, <u>Mazinani Saeedeh.</u> , <u>Sharif Farhad.</u> , <u>Dubois Charles.</u> , <u>Ajji Abdellah</u>	S01-270 Influence of Operational Parameters on the Characteristics of Ultrafine Chitosan Microparticles as a Nasal Drug Delivery System, <u>Taranejoo Shahrouz.</u> , <u>Rafienia Mohamad.</u> , <u>Monemian Seyed Ali.</u> , <u>Janmaleki Mohsen.</u> , <u>Ramazani Ahmad.</u> , <u>Kalativahid Ali</u>
11:50-12:10		G15-454 Thermal, Mechanical and Rheological Properties of Homo HDPE Synthesized at Different Polymerization Conditions, <u>Mohammad A. Parvez.</u> , <u>Ibnelwaleed A. Hussein.</u> , <u>Joao BP Soares.</u> , <u>Mohammed A. Suleiman</u>		G12-124 Modeling Chemically Blown Foam Expansion Using the Finite Element Method, <u>Rao Rekha Ranjana.</u> , <u>Mondy Lisa Ann.</u> , <u>Celina Mathew.</u> , <u>Adolf Douglas.</u> , <u>Kropka Jaime.</u> , <u>Russick Edward</u>	G09-677 Role of Rubber Cavitation in Toughening Mechanisms of Epoxy Resins, <u>Rezazadeh Mafi Ehsan.</u> , <u>Ebrahimi Morteza.</u> , <u>Vakili Tahami Hamed.</u> , <u>Yahyaei Hossein</u>		S01-208 Chitin Beads Incorporated with Curcumin for Drug Delivery Applications, <u>Ratanajaijaroen Pakavadee.</u> , <u>Ohshima Masahiro</u>
11:50-14:00	POSTER SESSION III Kinnear Centre 201/203/205						
12:10 - 14:00	Lunch – Sally Borden Building Top Floor						
Room	Max Bell Auditorium	Max Bell MB 251	Max Bell MB 252	Max Bell MB 253	Max Bell MB 150	TransCanada Pipelines TCPL 201	TransCanada Pipelines TPCL 202
Chair	I. Manas-Zloczower		A. Hrymak				
14:00-14:50	Plenary Lecture Design, Fabrication and Applications of Polymeric Biochips, L. James Lee. <i>The Ohio State University, USA</i>		Plenary Lecture Microcellular Foaming: Art vs Science, Chul B. Park. <i>University of Toronto, Canada</i>				

	I01 Invited Symposium: C.W. Macosko	G03 Polymer Nanocomposites	G10 Polymer Foams	G12 Process Modeling and Simulation	G11 Polymers from Renewable Resources	G05 Fibers, Films and Membranes	S01 Biomedical Materials
Chair	L. James Lee U. Sundararaj	P. Carreau	M. Kontopoulou M. Oshima	J.-F. Agassant R. Rao	M. Huneault P. Halley	T. Kikutani J.M. Haudin	B. Favis
14:50- 15:30 Keynote Lectures	I01-29 KN High Internal Phase Emulsions - Rheology and Microstructure in Various Flow Regimes, <i>Camesasca Marco, Hartt William, Manas-Zloczower Ica</i>	G03-395 KN Anomalous Elastic Properties of Polymer Nanocomposites, <i>Bhattacharya Sati N, Gupta Rahul K</i>	G10-238 KN Foaming of Compatibilized Polymer Blends Using Organic Liquids as Blowing Agents, <i>Altstädt Volker, Gutmann Peter, Wolff Fabris Felipe, Müller Axel H.E.</i>	G12-198 KN Prediction of Swell Phenomenon using Adaptive Local Mesh Refinement and Weight Optimization Procedure in Extrusion Blow Molding Process, <i>Benrabah Zohir, Thibault Francis, DiRaddo Robert</i>	G11-164 KN A New Generation of Nano- Biocomposites Based on Renewable Resources, <i>Pollet Eric, Martino Veronica Patricia, Averous Luc</i>	G05-200 KN Microporous Membranes Obtained from Polypropylene/High Density Polyethylene Multilayer Films by Stretching, <i>Tabatabaei Seyed Hesamoddin, Aji Abdellah, Carreau Pierre</i>	S01-519 KN Modeling Drug Release from Solid Matrices Based on Polymeric Hydrogels, <i>Galdi Ivan, Lamberti Gaetano, Titomanlio Giuseppe, Barba Anna Angela, d'Amore Matteo</i>
15:30- 15:50	I01-727 Heat Capacity of High-Density Polyethylene at Melt Temperatures: Transitions at 210 and 230°C, <i>I.A. Hussein, M. C. Williams</i>	G03-40 Dispersion of Multi- Walled C Nanotubes into Cross-Linkable Polyethylene Glycol Monoacrylate: Effects on Development of Crosslink Density, Viscoelasticity and Swelling, <i>Vural Seda, Dikovics Kimberly, Kalyon Dilhan M</i>	G10-155 Investigation of Dimensional Stability through Foaming of Micro Injection Molded Components, <i>Mahmoodi Mehdi, Park Simon, Rizvi Ghaus</i>	G12-424 Vapor Sorption Isotherm by Different Biopolymers and Polymers, <i>Ugrozov Valery Vyacheslavovich</i>	G11-4 Thermal Stabilization, Enhanced Processability and Properties of Biodegradable Polymers, <i>Shaked Yanir, Kenig Samuel, Dodiuk Hanna</i>	G05-202 Structure-Properties Relationship of Polypropylene Cast Films, <i>Tabatabaei Seyed Hesamoddin, Aji Abdellah</i>	S01-598 Swellable Dressing Materials for Wound Healing, <i>Saha Nabanita, Saarai Amarjargal, Kitano Takeshi, Saha Petr</i>
15:50- 16:10	I01-577 Direct and Indirect Polymer-Polymer Interfacial Slip Measurements, <i>Park HeeEon, Lee Patrick C., Macosko Christopher W</i>	G03-432 Preparation and Characterization of Polyethylene Nanocomposites Using Pristine Clay via Novel Water Injection Method in a Twin-Screw Extruder, <i>Sarikhani Kaveh, Garmabi Hamid</i>	G10-181 Nanocomposite Preparation by a Foaming Process, <i>Hong Soon Ma, Seo Youngwook Peter, Seo Yongsok, Oh Kyoungwhwan</i>	G12-22 A Calibrated Integrative Simulation Model for Blown Film Extrusion, <i>M. Bussmann, M. Janas, J. Wortberg</i>	G11-148 New Renewable Biocomposites of Dimer Fatty Acid- Based Polyamides: Thermal Physical and Mechanical Properties, <i>Hablot Elodie, Matadi Rodrigue, Ahzi Said, Averous Luc</i>	G05-281 Processing Conditions to Control Structure- Property of Nucleated/non- Nucleated Polypropylene Nanocomposite Films, <i>Kashyap Manash Jyoti, Ghosh Anup Kumar</i>	S01-627 NaOH treated Micro Fibrous Polyethylene Terephthalate Mats for Biomedical Application, <i>Hadjizadeh Afra, Bureau Martin N, Aji Abdellah</i>
16:10- 16:30	Coffee Break						



Room	Max Bell Aud	MB 251	MB 252	MB 253	MB 150	TCPL 201	TPCL 202
16:30-16:50	I01-101 Nanostructured Polymers and Composites from Self-assembly of Degradable Chiral Block Copolymers, <u>Ho Rong-Ming Ho</u>	G03-441 Rheological, Thermal and Mechanical Properties of PET Nanocomposites, <u>Alfouzan Abdulrahman</u> , <u>Coates Phil David</u> , <u>Gough Tim</u>	G10-27 Nanocellular Foams of Immiscible and Miscible PEEK/PEI Polymer Blends, <u>Ohshima Masahiro</u> , <u>Nemoto Tomoyuki</u> , <u>Takagi Jun</u>	G12-23 Improved Performance and Product Quality by Automated Geometry Optimization of Extrusion Dies, <u>Wortberg Johannes</u> , <u>Saul Kenny</u>	G11-396 Prediction of the Gas Permeability Property of Poly (lactic acid)/ Poly (butylene succinate) (PLA/PBS) Nanocomposites, <u>Rahul K Gupta</u> , <u>Sati N. Bhattacharya</u> , <u>Deeptangshu Chaudhary</u>	G05-298 Functional Fibres Prepared by Melt Spinning of Conducting Polymer Composites, <u>Straat Martin Karl</u> , <u>Hagstrom Bengt</u>	S01-367 Long-Term Fatigue Performance of Biocompatible Polyisobutylene-Based Nanocomposites, <u>Götz Christian</u> , <u>Pavka Paul</u> , <u>Lim Goy-Teck</u> , <u>Fischer Frank</u> , <u>Wolff-Fabris Felipe</u> , <u>Puskas Judit E.</u> , <u>Altstädt Volker</u>
16:50-17:10	I01-373 Nanostructuring of Epoxy and Polyester Resins by Block Copolymers: Application to RTM and SMC Composites, <u>Gille Frederic</u> , <u>Gérard Jean-François</u> , <u>Pascault Jean-Pierre</u> <u>Lortie Frederic</u>	G03-448 Structure-Properties Relationship in Microfibrillar Hybrid Composites by Means of Simultaneous X-ray/Stretching Experiments, <u>Denchev Zlatan</u> , <u>Motovilin Mladen</u> , <u>Stribeck Norbert</u> , <u>Dencheva Nadya</u>	G10-314 Dynamic Mechanical Behaviour of Polystyrene Bead Foams, <u>Stumpf Marieluise</u> <u>Isabelle</u> , <u>Fischer Frank</u> , <u>Altstaedt Volker</u>	G12-255 Orientational Behavior of the Binary Carbonaceous Mesophase Mixtures under the Extensional Flow, <u>Golmohammadi Mojdeh</u> , <u>Rey Alejandro D</u>	G11-652 Composites from Thermoplastic Starch, Biopolymers and Lignocellulosic Fibers, <u>Viana Hamilton Magalhaes</u> , <u>Quevedo Tabata Tomaz</u> , <u>Bergereth Anne</u> , <u>Benezet Jean-Charles</u>	G05-421 On-line Measurement of Birefringence Development During Stretching of Cyclo Olefin Copolymer Films, <u>Ikeda Keisuke</u> , <u>Menjyu Hiroto</u> , <u>Takarada Wataru</u> , <u>Kikutani Takeshi</u>	S01-499 Extrusion of Pharmaceutical Polymer Formulations, <u>Kelly Adrian</u> , <u>Paradkar Anant</u> , <u>Gough Tim</u> , <u>Dhumal Ravindra</u> , <u>Coates Phil</u>
17:10-17:30	I01-386 Morphology Development and Properties of Polymer/Clay Nanocomposites, <u>Uttandaraman Sundararaj</u> , <u>G. Gelves</u> , <u>Sriram Lakshminarayan</u>	G03-461 Morphology and Properties of Melt Intercalated Polystyrene/halloysite Nanotubes Nanocomposites, <u>Acierno Domenico</u> , <u>Russo Pietro</u> , <u>Iannelli Pio</u> , <u>Scarfato Paola</u>	G10-341 Extrusion of Hydrosilylated Polypropylene with Supercritical Carbon Dioxide, <u>Bulsari Mercy P.</u> , <u>Tzoganakis Costas</u> , <u>Penlidis Alex</u>	G12-285 Experimental and Numerical Study of Transcriptability of Micro Structured Surface in Injection Molding, <u>Lee Jae Gu</u> , <u>Rha Moonwoo</u> , <u>Kang Tae Gon</u> , <u>Kwon Tai Hun</u>	G11-682 Bio-Based Composites from Lignin, Tannin and Sisal Fibers, <u>Ramires Elaine Cristina</u> , <u>Frollini Elisabete</u>	G05-428 Study on Parameters Affecting Microfibrillar Morphology Development in PP/PBT/Nanoclay Blend Nano-composite Fibers, <u>Bigdeli Ahmad</u> , <u>Nazockdast Hossein</u> , <u>Rashidi Aboo-Saeed</u> , <u>Yazdanshenas Mohamad-Esmaeel</u>	S01-573 Drug Release from a Biomaterial, <u>A. Beygi</u> , <u>M. Jafari-Nodoushan</u>

<p>17:30-17:50</p>	<p>I01-579 Flow Channel Design for Layer Thickness Uniformity in Multilayer Coextrusion, <i>Lee Patrick C, Zheng Hong, Macosko Christopher W, Anderson Patrick D</i></p>	<p>G03-465 Effect of Nano-CaCO₃ on Aging and Flame Retarding Properties of Natural Rubber, <i>Leong Yew Wei, Thumsorn, S., Klinklai Warunee, Hamada Hiroyuki</i></p>	<p>G10-401 The Influence of Polymer Nanocomposite Rheology on Foam Cell Structure, <i>Bhattacharya Sati N, Gupta Rahul K</i></p>	<p>G12-330 Determination of the Transition Temperature at Different Cooling Rates and its Influence on Prediction of Shrinkage and Warpage in Injection Moulding Simulation, <i>Lucyshyn Thomas, Knapp Gilbert, Holzer Clemens</i></p>	<p>G11-94 Surface Modification of un- and Highly Filled PLA Films Using Corona Treatment, <i>Laske Stephan, Ruef Elisabeth, Holzer Clemens</i></p>	<p>G05-633 Sequential and Simultaneous Biaxial Stretching of Polypropylene Films Containing β-form Crystalline Structure, <i>Kerddonfag Noppadon, Saravari Onusa, Chinsirikul Wannee, Takarada Wataru, Kikutani Takeshi</i></p>	<p>S01-226 Effects of Size Diameter of Biodegradation of Poly(ϵ-Caprolactone) Electrospun Fibers Mats, <i>Siridamrong Pornpen</i></p>
<p>17:50-18:00</p>	<p>Closing Remarks <i>C.W. Macosko</i></p>						
<p>19:30-21:30</p>	<p>MOUNTAIN MOVIE AND POPCORN NIGHT Max Bell Auditorium</p>						



Thursday, July 8

Thursday, July 8							
Room	Max Bell Auditorium	Max Bell MB 251	Max Bell MB 252	Max Bell MB 253	Max Bell MB 150	TransCanada Pipelines TCPL 201	TransCanada Pipelines TPCL 202
	G03 Polymer Nanocomposites	G11 Polymers from Renewable Sources	G10 Polymer Foams	G12 Process Modeling and Simulation	G01 Blow Molding, Thermoforming and Rotomolding	G05 Fibers, Films and Membranes	G13 Process Monitoring, Control and Sensors
Chair	T. Li A. Elias	L. Averous M. Huneault	A. Thümen	J.-F. Agassant R. Rao	J. Vlachopoulos J. Pittman	A. Aji A. Ghosh	D. Kazmer L. Mulvaney-Johnson
8:00-8:40	G03-20 KN Novel Segregated Network Electrically Conductive Polymeric Nanocomposites using Metal Nanowires, <i>Gelves Genaro, Al-Saleh Mohammed H., Sundararaj Uttandaraman</i>	G11-100 KN Developing Water Resistant Starch Polymers, <i>P.J.Halley, C.Chaleat, R.Truss, M.Gidley, A.K.Shrestha, G.Gilbert, C.Liu, A.Roberts, N.McCaffrey</i>	G10-612 KN Understanding PLA Crystallization in Complex Processing Operations: Interrelation Between Plasticization, Chain Branching and Foaming, <i>Huneault Michel A, Mihai Mihaela, Favis Basil D.</i>	G12- 534 KN 3D Finite Element Solution of the Flow in Single and Twin-Screw Extruders, <i>Héту Jean-François, Ilinca Florin</i>	G01-567 KN Technology of Micro Thermoforming and Micro Blow Molding for the Integration of Selective Surface modifications in Three-Dimensional Microstructures, <i>M. Heilig, M. Schneider, T. Ide, H. Dinglreiter, M. Worgull</i>	G05-688 KN Nanofiber Technology from the Electrospinning, <i>Y.Yamashita, T.Kanzawa and K. Tokumitsu</i>	G13-662 KN Characterisation of Local Residence Time Distributions in Co-Rotating Twin Screw Extruders, Using Positron Emission Particle Tracking Flow Visualisation Technology, <i>Diemert Jan, Chilles C, Colbert J, Miri T, Ingram A.</i>
8:40-9:00	G03-560 Effect of Nanosilica on the Morphology and Mechanical Properties of TPOs Containing Varying Amounts of a Polyolefin Elastomer, <i>Lee Sung Hyo, Kontopoulou Marianna</i>	G11-138 Morphology Development and Interfacial Interactions in Polycaprolactone / Thermoplastic Starch, <i>Favis Basil D, Li Gang</i>	G10-452 Correlation between Molding Condition and Foam Morphology of PP and HIPS with X-ray CT in Microcellular Injection Molding, <i>Takehiro Yamada, Yokoi Hidetoshi</i>	G12-756 Modeling particle migration and settling in curing epoxy <i>Mondy Lisa, Rao Rekha, Lindgren Eric, Sun Amy, Altobelli Steve</i>	G01-376 Micro-blow Molding: Enhancement of Angioplasty Balloon Performance Through Annealing, <i>Daver Fugen, Girard Patrick, Thibault Francis, DiRaddo Robert, de Grandpré Christian</i>	G05-451 Application of Low Tacticity Polypropylene to Non-Woven Fabrics and Film, <i>Kanai Toshitaka, Takebe Tomoaki, Kohri Yohei, Minami Yutaka</i>	G13-130 Feasibility Analysis of an In-Mold Multivariate Sensor, <i>Kazmer David Owen, Gao Robert, Johnston Stephen</i>

<p>9:00-9:20</p>	<p>G03-455 Enhancing the Processability of High Density Polyethylene Using Different Nanoclays, <i>Adegoke A. Adesina, Al-Juhani A., Hussein Ibnelwaleed A.</i></p>	<p>G11-204 Calculation of the Activation Energy for Self Diffusion and Molecular Healing in PLA Films, <i>Grewell David</i></p>	<p>G10-453 Computer Modeling of Percolation Threshold in Electrically Conductive Carbon Fiber Polymer Composite Foams, <i>Motlagh Ghodrattollah Hashemi, Foroozani Alireza, Thompson Michael, Hrymak Andrew N.</i></p>	<p>G12-565 Modeling of Reactive Extrusion: a New Method. Application to PLA, <i>Puaux Jean-Pierre, Banu Ionut, Bozga Grigore, Nagy Iosif</i></p>	<p>G01-547 Optimization of Design and Process Conditions for Stretch Blow Molded Bottles, <i>Fiorotto Marco, Cellere Alessandro, Carraro Piertommaso, Lucchetta Giovanni</i></p>	<p>G05-473 Significance of Blend Ratios of h-LLDPE and LDPE on the Tear Properties of Blown Films, <i>Mezghani Khaled, Furquan Sarfaraz, Ben-Mansour Rached</i></p>	<p>G13-180 Injection Molding Process Control Using 2D Model Predictive Iterative Learning Algorithm, <i>Shi Jia, Yang Yi, Gao Furong</i></p>
<p>9:20-9:40</p>	<p>Coffee Break</p>						
<p>9:40-10:00</p>	<p>G03-12 Reactive Injection Moulding of Polyamide 6 - an Innovative Approach for the Production of High Performance Composite Parts, <i>Berg Lars Fredrik, Elsner Peter, Henning Frank, Thoma Bernd</i></p>	<p>G11-368 Relevance of Lab-Scale Conical Twin-Screw Extruder for Starch/PLA Blends Rheology Study, <i>Chabrat Elodie, Evon Philippe, Longieras Antoine, Rouilly Antoine, Rigal Luc</i></p>	<p>G10-562 Strategies for Increasing the Melt Strength of Linear PP for Foaming Applications, <i>Zhang Ying, Kontopoulou Marianna, Parent J. Scott, Park Chul B</i></p>	<p>G12-629 Analysis of a Split and Recombine Mixer for Polymer Melts, <i>Phelan Jr. Frederick R., Moon Doyoung, Migler Kalman B.</i></p>	<p>G01-289 Development of a Realistic Finite Element Thermoforming Simulation, <i>Martin Peter, OConnor Ciaran</i></p>	<p>G05-616 The Effect of Temperature on the Electrospinning of Chitosan/PEO Solutions, <i>Pakravan Lonbani Mehdi, Heuzey Marie-Claude, Aji Abdellah</i></p>	<p>G13-301 In-line Monitoring Along the Process Chain: Compounding, Extrusion and Mould Injection, <i>Aliq Ingo, Steinhoff Bernd, Lellinger Dirk, Kothe Hans, Finnberg Torsten</i></p>
<p>10:00-10:20</p>	<p>G03-648 Extensional and Shear Rheology of Oriented Block Copolymers / Clay Nanocomposites, <i>Carastan Danilo Justino, Amurin Leice Gonçalves, Craievich Aldo Felix, Demarquette Nicole Raymonde</i></p>	<p>G11-460 Properties of Thermoplastic Potato Starch and its Blends, <i>Hrymak Andrew N, Falah-Toosi Salma, Liu Qiang</i></p>	<p>G10-620 Study of Injection Molding with Expandable Thermoplastic Microspheres, <i>Jun Peng, Jian Wang, Yottha Srithep, Maf Ahmad, Lih-Sheng Turng, Xiang-Fang Peng</i></p>	<p>G12-129 Preliminary Efforts in Simulation of Molding of a Polypropylene Melt Reinforced with Long Glass Fibers using Transient Shear Rheology, <i>Ortman K.C., Neeraj Agarwal, D.G. Baird, P. Wapperom, Jeffrey Giacomini</i></p>	<p>G01-266 Crystallization Behaviour of Single-Site Ethylene Copolymers in Relation to Warpage in Rotational Molding, <i>Bellehumeur Celine, Ference Jay, Gibbons Ian, Lin Wen</i></p>	<p>G05-62 Effect of Nanofiber Specific Surface Area on Ionic Conductivity of Electrospun Poly(acrylonitrile-Co-Methyl acrylate) – Electrolyte Membranes, <i>Zamani Pouyan, Rafizadeh Mehdi</i></p>	<p>G13-332 Development of a New Measuring Mold with Sensor-installed Rotary Cylinder for Measuring Plane Distributions of Melt Temperature and Pressure, <i>Yokoi Hidetoshi, Kai Hirohito</i></p>



Room	Max Bell Aud	MB 251	MB 252	MB 253	MB 150	TCPL 201	TPCL 202
10:20-10:40	G02-7 Uniaxial Deformation Behavior and Mechanical Properties of Poly(Butylene Succinate)/Organo-Montmorillonite Nanocomposites, <u>Mohd Ishak Zainal Arifin, Chow, W.S., Phua, Y.J.</u>	G11-595 Major Enhancements in Crystallizability and Heat Distortion Temperature of Poly(lactic acid) (PLA): Production of Novel Hybrids of PLA and Cellulose via Solid-State Shear Pulverization, <u>Torkelson John M., Brunner Philip J., Dorgan John</u>	G10-640 Characterization of Foam Cell Density with Principle of Critical Bubble Lattice, <u>Buahom Piyapong, Areerat Surat</u>	G12-658 Drainage in Foams with Surfactant-Covered Interfaces, <u>Galea I.J., Loewenberg Michael</u>		G05-8 Preparation and Characterization of High Efficiency ion Adsorption Modified Acrylic Fibers, <u>Bagheri behzad, Abdouss Majid, Aslzadeh Mohammad Mohammadi</u>	G13-496 Measurement of Melt Temperature Profile in Injection Moulding, <u>Kelly Adrian, Mulvaney-Johnson Leigh, Brown Elaine, Coates Phil</u>
10:40-11:00	G03-663 Synthesis of Nano Composite of Polyurethane-Epoxy Interpenetrating Polymer Networks and Investigation of Mechanical, Morphological and Thermal Properties, <u>Sayadi Afsoon, Mir Mohamad Sadeghi Gity, Ghafghazi Mehdi, Morshedian Jalil</u>	G11-80 Melt Processed Poly hydro-xyalkanoates' Behavior in the Marine Environment, <u>Ratto Jo Ann, Thellen Christopher, Whitehouse Robert, Wirsen Carl</u>	G10-655 Foaming Behavior of PP/EPDM Blends with Carbon Dioxide, <u>Huang Han-Xiong, Zhong Gui-Long</u>	G12-695 A Hyperelastic Damage Model for Continuous Fiber Reinforced Thermoplastic Composites: Formulation and Numerical Simulations, <u>Chaouki Hicham, Gakwaya Augustin, Erchiqui Fouad, Fafard Mario</u>			
11:00-11:20	G03-604 Halloysite Nanoclays, a Safe Alternative to CNT's, <u>Edmonds Neil, Mok LingHon, Ray Sudip</u>	G11-90 Development of Modified Polylactide (PLA), <u>Kishimoto Hiroaki, Takenaka Akira, Moriwaka Hirofumi, Enomoto Haruomi</u>		G12-18 The Mesoscopic Constitutive Equations for Polymeric fluids and some Examples of Flows, <u>Gusev Alexsei, Afonin Grigory, Tretjakov Ilia, Pyshnograd Grigory</u>			

End of conference

Abstracts for presentations can be found in Conference USB