

MONDAY June 22nd										
Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
186B	M1	Applied Rheology	Rheology-Structure Relationships		9:00 AM	0515--	Anomalous Rheological Properties For Binary Blends Of Linear Polyethylene And Long-Chain Branched Polyethylene	Naoya	Mieda	Japan Advanced Institute Science and Technology
					9:30 AM	0883--	Rheological Properties Of Long Chain Branched Polyethylene Melts At High Shear Rate	Younggon	Son	Kongju National University
					10:00 AM	0010--	Melt Fracture Of Linear Polyethylenes: Molecular Structure And Die Geometry Effects	Savvas	Hatzikiakos	U. British Columbia
					10:30 AM	0224--	A GPC-Mx Approach Of Improving Rheology-Mwd Prediction For Polypropylene	Jian	Wang	The Dow Chemical Company
					11:00 AM	0258--	Linear Viscoelastic Properties Of N-Hexadecane Under Oscillatory Shear Via Non-Molecular Dynamics Simulations	Huan-Chang	Tseng	National Chiao Tung University
					11:30 AM	0907--	Rheological Characterization Of Ethylene Vinyl Acetate	Othman	Allothman	King Saud University
184D	M2	Bioplastics	Properties of PLA, PLA Foam and PLA Composite Materials	Dr. Michel Huneault, Industrial Materials Institute-NRCC	9:00 AM	Keynote--	Advances in Ingeo™ Biopolymer Technology for Durable Applications	Richard C.	Bopp	NatureWorks
					9:30 AM	0108--	Crystallinity Development In Cellular Poly(Lactic Acid) In The Presence Of Supercritical Carbon Dioxide	Mihaela	Mihai	National Research Council, Ecole Polytechnique de Montreal
					10:00 AM	0530--	Impact Of Molecular Branching On The Microcellular Foaming Of Polylactic Acid	Jing	Wang	Microcellular Plastics Manufacturing Laboratory
					10:30 AM	1045--	Effects Of Chain Branching On The Foamability Of Polylactide	Wenli	Zhu	Microcellular Plastics Manufacturing Laboratory
					11:00 AM	0673--	Effect Of Citrate Plasticizer On The Thermal And Rheological Properties Of Polylactic Acid	Elkin	Cardona	ICIPC
					11:30 AM	0940--	Corn (Sugars) Based Polymer Chemistries For The Polymer And Cosmetics Industries	Michael	Jaffe	New Jersey Institute of Technology
186A	M3	Blow Molding	Innovations in Blow Molding		9:00 AM	Tutorial				
					10:00 AM	0743--	Structural Strength Of Blow Moulded PET Bottle Using Microwave Pre-Heated Preforms	Syed	Masood	Swinburne University of Technology
					10:30 AM	0629--	A Novel 3-D Blow Molding Method And Its Part Thickness Control Strategy	Geng-qun	Huang	South China University of Technology
					11:00 AM	0984--	Next Generation HDPE For Blow Molding Applications	Mridula (Babli)	Kapur	The Dow Chemical Company
180	M4	Composites	Nanocomposites - Clay Reinforcement I	Enamul Haque, Bostik, Inc.	9:00 AM	0860--	The Effect Of Functionalization On Polymer Intercalation And Properties Of Polystyrene/Clay Nanocomposites	Musa	Kamal	McGill University
					9:30 AM	0804--	Processing Of PET Nanocomposites With Different Percentage Of Surfactant Using Twin Screw Extrusion Technology	Karnik	Tarverdi	Brunel University
					10:00 AM	0901--	Evaluation Of Dispersion Characteristics Of Polymer-Clay Nanocomposites By X-Ray Diffraction Measurement And Microscopy	Athanassios	Elas	Institute of Plastics Processing at RWTH Aachen University (IKV)
					10:30 AM	0282--	Extensional Flow Mixing Provides Flexural And Tensile Modulus Improvements From Untreated Nanoclay Composites	Thomas	Hicks	Stratek Plastics Ltd.
					11:00 AM	0470--	Stiff, Highly Damping Thermoplastic Polyurethane Nanocomposites Via Simple, Scalable Processing	Erik	Dunkerley	University of Massachusetts Lowell
					11:30 AM	0508--	Microcellular Foam Prepared By PS-B-PMMA Grafted MMT Nanoclay Composite	Weibin	Zha	The Ohio State University
178A	M5	Engineering Properties and Structure	Membranes	Hoang Pham, Dow Chemical; Brian Grady, University of Oklahoma	9:00 AM	Keynote--	Adhesion Of Freestanding Membrane In The Presence Of Long-Range Intersurface Forces: Applications In Life-Sciences And Microelectronics	Kai-Tak	Wan	Northeastern University
					10:00 AM	0083--	Water And Ion Transport Through Sulfonated Styrenic Pentablock Copolymer Membranes For Reverse Osmosis Applications	Geoffrey	Geise	The University of Texas at Austin
					10:30 AM	0130--	Water Vapor Transport Properties Of Shape Memory Polyurethane Nanocomposites	I. Sedat	Gunes	The University of Akron
					11:00 AM	0295--	Sulfonated Styrenic Pentablock Copolymer Membranes for High Water Transport Rate Applications	John	Flood	Kraton Polymers LLC
					11:30 AM	0660--	Morphology Of Sulfonated Styrenic Pentablock Copolymer Solutions And Membranes	Arun	Kota	University of Pennsylvania
178B	M6	Engineering Properties and Structure	Nanocomposites I	Jingshen Wu, Hong Kong University of Science and Technology; Pierre Moulinie, Bayer Materials Science	9:00 AM	Keynote--	Nanotube Dispersion and Reinforcement: Towards Quantum Nanocomposites	Robert	Young	Manchester Institute of Technology
					10:00 AM	1007--	Thermal Conductivity Of Epoxy/Expanded Graphite Composites	Ling	Du	University of Akron

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					10:30 AM	0765-	Morphology And Properties Of Exfoliated Graphite/Thermoplastic Polyurethane Nanocomposites	Hyunwoo	Kim	University of Minnesota
					11:00 AM	0381-	POSS/PP Nanocomposites: Characterization And Properties	Byoung Jo	Lee	University of Akron
					11:30 AM	0227-	PET/Clay Nanocomposites By Melt Compounding	Hesam	Ghasemi	Ecole Polytechnique
185A	M7	Extrusion	Single-Screw I	Steve Schick	9:00 AM	Keynote-	Perspectives On Industrial Research In Extrusion And Polymer Processing	Stephen	Derezinski	Extruder Tech Inc.
					9:30 AM	0884-	Bulk Resin Density And Plasticity For PET And LDPE	Stephen	Derezinski	Extruder Tech Inc.
					10:00 AM	0783-	Cohesion-Driven Recirculation Of A Polymer Solids Bed In A Screw Simulator	Michael	Thompson	McMaster University
					10:30 AM	0845-	An Alternative Analysis Of Single-Screw Melting	Gregory	Campbell	Castle Research Associates, Clarkson University
					11:00 AM	0839-	An Extrusion Study: Examination Of The Improved Processing Characteristics Of A PLA Impact Modified Blend	John	Christiano	Davis Standard
					11:30 AM	1039-	Single Screw Extrusion Of Biobased And Biodegradable Poly (Hydroxy Butanoic Acid) Copolymers	Rajendra	Krishnaswamy	Metabolix, Inc. (Telles)
185BC	M8	Extrusion	Twin-Screw I	Joe Golba	9:00 AM	Keynote-	Perspectives On Academic Research In Extrusion And Mixing	David	Bigio	University of Maryland
					9:30 AM	0905-	Polyamide 6-Nanocompounds Made Via In-Situ Polymerisation From Clay And Caprolactam In A Twin Screw Extruder	Bernd	Rothe	Institute of Plastics Processing at RWTH Aachen University (IKV)
					10:00 AM	0867-	3D Simulations Of A Reactive Flow In Screw Elements Of Closely-Intermeshing Twin Screw Extruders: A Scale-Up Analysis	Estanislao	Ortiz-Rodriguez	University of Waterloo
					10:30 AM	0445-	Special Intake Elements To Overcome Feed Limitation In Co-Rotating Twin-Screw Extruders - Design Features And Experimental Results	Babu	Padmanabhan	STEER America Inc
					11:00 AM	0446-	Shear Uniformity In Co-Rotating Twin-Screw Extruder - A Geometrical Study Of Shear Rates In A Fully Filled Zone	Babu	Padmanabhan	STEER America Inc
					11:30 AM	0157-	Model-Based Inferential Sensing Of Melt Flow Rate In Compounding Operations	Vahid	Noeei	University of Waterloo
181C	M9	Failure Analysis and Prevention	Plastic Failure Analysis	Jeff Jansen, Stork Techniment	9:00 AM	1066-	Microscopic Characterization Of CPVC Failure Modes	Jennifer	Hoffman	Exponent, Inc
					9:30 AM	1035-	Using DSC To Determine The Quality Of PVC	Javier	Cruz	The Madison Group
					10:00 AM	1014-	Environmental Stress Cracking Of CPVC Pipe By Mixed Glycols	Ray	Hauser	Ray Hauser Expertise
					10:30 AM	0574-	Blistering Of Polyester Products	Jan	Spoormaker	Delft University of Technology
					11:00 AM	0253-	Failure Of Human Biopolymers	Myer	Ezrin	University of Connecticut
185D	M10	Flexible Packaging	Flexible Packaging - Barrier Film	Ajay Kulkarni, Scholle	9:00 AM	0117-	Statistical Model Predicting Water Vapor Transmission Rates Of High-Barrier-Coated Papers	Kimmo	Lahtinen	Tampere University of Technology
					9:30 AM	0774-	Influence Of Moisture On The Mechanical And Barrier Properties Of Multilayer Aromatic Polyamide Nanocomposite Films	Christopher	Thellen	US Army NSRDEC
					10:00 AM	0200-	The Interplay Between Polymer Polydispersity And Film Gauge In HDPE Barrier Films: How Polydispersity Controls The Gauge Dependence Of Film Barrier Properties	Jeffrey	Haley	LyondellBasell Industries
					10:30 AM	0755-	Development Of Antimicrobial PLA Nanocomposites With Silver Containing Layered Nanoclays For Packaging And Coating Applications	Jose	Lagaron	IATA-CSIC
					11:00 AM	0490-	Metalizer Conditions Impact On Lamination Bond Strength	Eldridge	Mount	EMMOUNT Technologies
					11:30 AM	0978-	Polymeric Nanocomposites Coatings On Non-Polar Polyolefin Substrate Modified By Atmospheric Pressure Plasma	Jinwoo	Kwak	University of Florida
184A	M11	Injection Molding	Computer Simulation I	Pete Grelle	9:00 AM	0091-	Development Of Fast 3D Filling Analysis Technology In Injection Molding	Won-gil	Ryim	Moldion
					9:30 AM	0263-	A Three-Dimensional CAE Molding Of Microchip Encapsulation	Ya-Yuen	Chou	CoreTech System Co., Ltd.
					10:00 AM	0570-	Simulations And Verifications Of True 3D Optical Parts By Injection Molding Process	Pei Jen	Wang	National Tsing Hua University
					10:30 AM	0292-	Challenge Stable Moulding Processes, With Confidence!	Marco	Thornagel	SIGMA Engineering GmbH

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					11:00 AM	0887--	Benefits Of An Energy Usage Indicator For Injection Molding Simulation	Paul	Brincat	Moldflow
					11:30 AM	0264--	Melt Memory And Core Deflection	Ya-Yuen	Chou	CoreTech System Co., Ltd.
184BC	M12	Injection Molding	Multi-Cavity Mold Balancing	Mal Murthy, Doss Plastics	9:00 AM	Keynote--	Melt Rotation Technology Update	John	Beaumont	Beaumont Technologies, Inc.
					9:30 AM	0931--	Utilizing Advanced Simulation And Melt Management Technologies To Redefine The Industry Standard	Eric	Bowersox	Tech Molded Plastics
					10:00 AM	0752--	Development Of Melt-Modulation Technology For Enhanced Injection Molding	John	Coulter	Lehigh University
					10:30 AM	0753--	Numerical Simulation Of Enhanced Melt Modulation Applied To Injection Molding	John	Coulter	Lehigh University
					11:00 AM	0220--	Complex Thermal Hot-Runner Balancing – A Method To Optimize Filling Pattern And Product Quality	Florian	Petzold	SIGMA Plastic Services, Inc.
							Instrumental Investigations Of Physical Gumminess Of A Medical Grade Epoxy-Amine Adhesive After Curing	Xiaoping	Guo	St Jude Medical Inc.
181B	M13	Joining of Plastics and Composites	Adhesives and Ultrasonic and Vibration Welding	Dan Watt, retired	9:00 AM	0800--	Functionalized Polyolefins That Deliver Room Temperature Adhesion To Polyurethanes	Laura	Weaver	The Dow Chemical Company
					9:30 AM	0820--	Weldability Of Polylactic Acid Sheets And Films	Julius	Vogel	Iowa State University
					10:00 AM	0021--	Experiments In Vibration Welding Of PC And PMMA To Metallization Coated PC	Chung	Wu	Visteon
					10:30 AM	0299--	Vibration Welding Polypropylene – Effect Of MFI On Weld Strength And Microstructure	Phil	Bates	Royal Military College of Canada
					11:00 AM	0432--				
182	M14	Marketing and Management	Marketing and Management in Today's Competitive Environment	Norm Fowler, Keys Six Sigma	9:00 AM	1069--	An Economic Overview Of Environmental Alternatives As Viewed By A Plastics Industry Economist	Roger	Jones	Franklin International LLC
					9:30 AM	1056--	The Business Case For Sustainability	Margaret	Baumann	G.H. Associates
					10:00 AM	1042--	Technology Advocacy: Marketing And Selling Technical Innovations And Product Assets In The Polymer Industry	Lorelle	Gantt	L A Polymer Consulting, LLC
					10:30 AM	1067--	Looking Beyond The Invention Of New Technology Or A New Product	Jack	Peregrin	Paragon Development
					11:00 AM	Keynote--	Demandpoint: Driving Order Through The Value Chain	Steve	Butto	
					11:30 AM	0814--	Smart Inventory Management: A Solution For Ensuring A Steady Supply Of Custom Parts	Rick	Puglielli	ProMold Plastics, Siy Communications
187A	M15	Polymer Analysis	Bio and Shaped Fibers	Harrison Yu, Thermofisher Scientific	9:00 AM	Keynote--	The Evolving Renewable Resource Bioplastics Landscape For Fibers And Films	Jim	Lunt	Jim Lunt & Associates, LLC
					10:00 AM	Keynote--	Polymer Shaped Fibers	Philip	Brown	Clemson University
					11:00 AM	0233--	In-Situ Reinforced Thermoset Composites Using Crystallizable Solvents	Onur Sinan	Yordem	University of Massachusetts, Amherst
					11:30 AM	0938--	Modeling Three-Dimensional Viscoelastic Flow Around A Closely-Spaced Linear Periodic Array Of Cylinders	David	Adrian	Massachusetts Institute of Technology
187B	M16	Polymer Analysis	Nanotechnology	Vassilios Galitsatos, LyondellBasell Industries	9:00 AM	Keynote--	How Nano Are Nanocomposites?: Evidence From Small-Angle X-Ray Scattering	Dale	Schaefer	University of Cincinnati
					10:00 AM	0962--	Creating Polymer-Carbon Nanotubes Nanocomposites By Cryomilling	Kwabena	Narh	New Jersey Science & Technology University
					11:00 AM	0478--	Polymer Dynamics In Single-Walled Carbon Nanotube Composites	Brian	Grady	University of Oklahoma
					11:30 AM	0203--	Recent Improvements In Mechanical Properties Measurements At The Nanoscale	Gunter	Moeller	Arkema Inc.
181A	M17	Product Design and Development	Product Design and Development		9:00 AM	0587--	The Acoustic Behavior Of Thermoplastic Tribological Pairings	Michael	Kobes	University of Erlangen-Nuremberg
					9:30 AM	0581--	Simple Optimizing Of Plastic Products: The Design Stage	Jan	Spoormaker	Delft University of Technology
					10:00 AM	0351--	Safety Factors In Plastic Parts Using Linear Analysis.	Joel	Bohórquez	Investigación y Desarrollo C.A.
					10:30 AM	1060--	Novel Design Methodology For Plastic Gears	Thomas	McNamara	Thermotech
179A	M18	Thermoplastic Materials and Foams	Advances in Foaming Technology	Chul Park	9:00 AM	0116--	A New Electromagnetic Dynamic Microcellular Foaming Technology For PP/HDPE Blends	Ping	Zhang	Guang Dong Polytechnic Normal University, South China University of Technology
					9:30 AM	0306--	A Novel Batch Foaming Visualization System With Extensional Stress-Inducing Ability	Anson	Wong	University of Toronto
					10:00 AM	0897--	Thin Nanocellular Plastic Sheet With Patterned Foaming	Junya	Kojima	Oji Paper Co., Ltd.

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					10:30 AM	0748--	Photo-Induced Foaming Of A Polymer With CO2 By Adding UV Curing Monomer	Kentaro	Taki	Kyoto University
					11:00 AM	0354--	Polymer Foams Produced Under A Temperature Gradient	Denis	Rodrigue	Laval University
179B	M19	Thermoplastic Materials and Foams	Advances in Polyolefin Technology	Ananda Chatterjee	9:00 AM	Keynote--	Polypropylene Reinforced With Crystallizable Solvents For Enhanced Processing, Modulus, And Impact Resistance	Alan	Lesser	University of Massachusetts
					9:30 AM	0946--	A One-Step Extrusion Process For Preparing Polyolefin/Clay Nanocomposites Using Sodium Montmorillonite	Benjamin	Ports	University of Connecticut
					10:00 AM	0687--	Adhesion Of Propylene-Ethylene Copolymers To Polyolefins	Yijian	Lin	Case Western Reserve University
					10:30 AM	0690--	Miscibility Of Statistical And Block Ethylene-Octene Copolymer Blends	Devang	Khariwala	Case Western Reserve University
					11:00 AM	0721--	Adhesion Of Elastomeric Copolymers To Polyolefin's	Ravi	Ayyer	Case Western Reserve University
					11:30 AM	0305--	Nanolayering As An Enabling Technology For Studying Fractionated Crystallization Of Polypropylene	Deepak	Langhe	Case Western Reserve University
186C	M20	Vinyl Plastics joint with Polymer Modifiers and Additives	Nano Additives in Vinyl and Thermoplastics	Dick Grossman , Consultant	9:00 AM	0842--	A New Class Of PVC Magnetic Nanocomposite Prepared From Plastisols	Oliverio	Santiago Rodríguez-Fernández	Centro de Investigación en Química Aplicada
					9:30 AM	0826--	Effect of Nano-Calcium Carbonate on Impact and Accelerated Weatherability of Rigid PVC/Acrylic Impact Modifier	Wilaiporn	Chetanachan	Thai Plastic and Chemicals
					10:00 AM	0694--	A Comparison Of Layered Nanofillers In Flexible PVC	Prashant	Shah	University of Massachusetts Lowell
					10:30 AM	0674--	Conventional Processing And Rheology Of Nanocomposites ABS/Montmorillonite	Saul	Sanchez	Centro de Investigacion en Materiales Avanzados
					11:00 AM	0809--	Evaluation Of Different Amine Functionalized Polyethylenes As Compatibilizers For Polyethylene Nanocomposites	Saul	Valdes	CIQA
					11:30 AM	0825--	Elastomer Particle Morphology In Rubber Toughened Amorphous Polyamide Nanocomposites	Youngjae	Yoo	The University of Texas at Austin
186B	M21	Applied Rheology	Rheology of Composites and Rheology-Processing Relationships		1:30 PM	0828--	How Can Polymer Rheology Be Useful To Guide Processing	Shi-Qing	Wang	University of Akron
					2:00 PM	1008--	Effect Of Blowing Agent On The Flow Properties In Extrusion And Injection Molding	Nan	Chen	University of Toronto
					2:30 PM	0452--	Measurement On Viscosity Of Polystyrene Melts Dissolved With Supercritical Nitrogen Fluid During Microcellular Injection Molding	Shia-Chung	Chen	Chung Yuan Christian University
					3:00 PM	0613--	Modification Of The Flow Behavior Of Polypropylene Composite Using LMW & HMW Flow Promoters	Santanu	Dutta	Machino Polymers Limited
					3:30 PM	0863--	Shear And Extensional Rheology Of Carbon Nanofiber / Polystyrene Melt Composites	Koki	Miyazono	The Ohio State University
					4:00 PM	0431--	Study On The Shear Viscosity Of HDPE-Wood Composites/Supercritical CO2 Solution	Jingjing	Zhang	South China University of Technology
					4:30 PM	0832--	Relationship Between Structure And Rheological Properties In Polymer/Layered Silicate Nanocomposites	Hassan	Eslami	Ecole Polytechnique de Montreal
184D	M22	Bioplastics	Synthesis and Properties of Thermoplastic Starch and Other Bioplastics	Raj Krishnaswamy, Telles A Metabolix-ADM Joint Venture	1:30 PM	Keynote--	Renewable Fillers for Thermoplastics - Challenges and Opportunities	Leonardo C	Simon	University of Waterloo, Waterloo, Canada
					2:00 PM	0945--	Effect Of Nano Fillers In Hybrid Biodegradable Thermoplastic Cornstarch Materials	Spencer	Kim	Rochester Institute of Technology
					2:30 PM	0926--	Hydrophobic-Modified Cellulose Fibers And Cellulose Microfibril As Reinforcements For Biocomposites	Huining	Xiao	University of New Brunswick
					3:00 PM	Keynote--	Reactive Extrusion of Starch Graft Copolymers	Julius	Willet	USDA-ARS-NCAUR
					3:30 PM	1046--	Synthesis, Characterization, And Degradation Of Bioplastics From Renewable Polyfunctional Monomers	Mathew	Rowe	Mississippi State University
					4:00 PM	0239--	Adhesion Of Biodegradable Plastics With Bone: A Comparative Study Using Commercially Available Screw / Plate System And Biodegradable Polymer Melt Adhesives	Anshuman	Shrivastava	University of Massachusetts Lowell

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					4:30 PM	0796-	Characterization Of Biodegradable Acrylic Acid Grafted Poly(Caprolactone)/Chitosan Blends	Yeh	Wang	Tunghai University
					5:00 PM	1036-	Hydrogel Multistructure Swelling Kinetics By Light Polarized Microscopy	Fernando	Bautista	Universidad de Guadalajara
180	M23	Composites	Nanocomposites - Carbon Nanotubes	Krishnamurthy Jayaraman, Michigan State University	1:30 PM	1015-	Carbon Nanotube Mat Biocomposite For Enzymatic Glucose/O2 Biofuel Cell	Jongeun	Ryu	UCLA
					2:00 PM	0280-	Increased Electrical Conductivity From Reduced Carbon Nanotube Concentrations Using Extensional Flow Mixing	Alan	Stall	Stratek Plastics Ltd.
					2:30 PM	0637-	The Manufacture Of Carbon Nanotube Composite Materials Using Supercritical Carbon Dioxide	Chen	Chen	Virginia Tech
					3:00 PM	0539-	Polymer-Graphite And Polymer-Carbon Nanotube Nanocomposites With Excellent Dispersion And Major Property Enhancements: Processing Via Solid-State Shear Pulverization	John	Torkelson	Northwestern University
					3:30 PM	0996-	Effect Of Crystalline Structure On Morphology And Properties Of MWCNT Nanocomposites	Samaneh	Abbasi	Ecole Polytechnique of Montreal
					4:00 PM	0522-	Interphase CNT Transfer Using Laminated Polymer Sheets	Howon	Yoon	Japan Advanced Institute of Science and Technology
					4:30 PM	0652-	Liquid Sensing Properties Of Fibers Prepared By Melt Spinning From Poly(Lactic Acid) Containing Multiwalled Carbon Nanotubes	Petra	Pötschke	Leibniz Institute of Polymer Research Dresden
180					5:00 PM		Composites Division Board Meeting			
181A	M24	Composites	Glass and Carbon Fiber Composites	Edward Zenk, Composites Engineer	1:30 PM	0413-	Fiber Jamming And Fiber-Matrix Separation During Knitline Formation On Fiber Reinforced Composites	Lena	Marks	Clausthal University of Technology
					2:00 PM	0675-	Comparison Of Static Mechanical Properties Of 3D Fabric Panels Processed By Vacuum Bagging And Compression Molding	Nanjia	Zhou	Pittsburg State University
					2:30 PM	0886-	An Estimate Of Long Service Term For GRP Products	Valeriy	Makarov	Samara State Technical University
					3:00 PM	0205-	Damage Progression And Degradation Analysis Of Polymer Matrix Composite Materials By Using Acoustic Emission Technique	Carlos	Rios-Soberanis	Centro de Investigacion Cientifica de Yucatan
					3:30 PM	0415-	Dual AE Transducer Methodology For Fracture Process Monitoring In Short Fiber Reinforced Composites	Tohru	Morii	Shonan Institute of Technology
					4:00 PM	0647-	Long Glass Fiber Orientation In Thermoplastic Composites Using A Model That Accounts For The Flexibility Of The Fibers	Donald	Baird	Va Tech
					4:30 PM	0756-	Cyclic Water Sorption Effects On Carbon Fiber/ Vinyl Ester Composites By Dynamic Mechanical Analysis	Betiana	Acha	Florida Atlantic University
186A	M25	Electrical and Electronic	Materials and Applications		1:30 PM	0185-	Conjugated Polymer Photovoltaic Solar Cells - Manufacturing, Troubleshooting And Morphology	Sean	Petzold	UW Madison
					2:00 PM	0678-	Time Dependent Piezoresistive Behavior Of Polyvinylidene Fluoride/Carbon Nanotubes Conductive Composite	Shailesh	Vidhate	University of North Texas
					2:30 PM	0492-	Effect Of Wet/Dry Cycles On The Properties Of Polymer Electrolyte Membranes	Jianhua	Huang	Virginia Tech
					3:00 PM	0677-	Effects Of Solvent-Casting Conditions On The Morphology And Properties Of Highly Fluorinated Poly (Arylene Ether Sulfone) Copolymer Films For Polymer Electrolyte Membranes	Michael	Heinzer	Virginia Tech
					3:30 PM	0903-	Polyphenylene Ether Macromonomers. II. Property Enhancements In Cyanate Ester Resins	Edward	Peters	SABIC Innovative Plastics
					4:00 PM	0917-	Rising To The Halogen Challenge In Flame-Retardant Engineering Plastics	William	Hassink	DuPont Engineering Polymers
					4:30 PM	0463-	Effects of Molding Parameters Control on Fiber Orientation and Distribution Leading to High Electrical Conductivities of Injection Molded Bipolar Plates	Ming-Yi	Shih	Chung Yuan Christian University
186A					5:00 PM		Electrical And Electronic Division Meeting			
178A	M26	Engineering Properties and Structure	Environmental Materials	Robert J Young, University of Manchester; Sadhan Jana, University of Akron	1:30 PM	Keynote-	Some Experimental Observations on Eco-composites	Robert	Li	City University of Hong Kong
					2:30 PM	0277-	Photodegradation Of Alpha-Nucleated Polypropylene	Roman	Cermak	Tomas Bata University in Zlín, Faculty of Technology

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					3:00 PM	0544-	In Situ Production Of Slightly Branched Poly(Ethylene Terephthalate) By Solid-State Shear Pulverization: A Potential Solution To Improved Recyclability And Sustainability	John	Torkelson	Northwestern University
					3:30 PM	1032-	Study Of Ultrasonic Wave Effect On Polypropylene In Solution	Juan	Guillermo Martínez	CIQA
					4:00 PM	0380-	Novel "Eco-FR" Styrenic Polymers	Rakesh	Gupta	West Virginia University
					4:30 PM	0119-	Devulcanization Of Recycled Tire Rubber Crumb With Supercritical CO ₂ : Curing Behavior, Mechanical Properties And Degree Of Devulcanization	Mohammad	Meysami	University of Waterloo
178B	M27	Engineering Properties and Structure	Materials Characterization	Kai-Tak Wan, Northeastern University; Rajen Patel, Dow Chemical	1:30 PM	Keynote-	Polypropylene Calcium Carbonate Nanocomposites	Chi-Ming	Chan	Hong Kong University of Science and Technology
					2:30 PM	0291-	Material Characterization For Collapsible Fuel Storage Tanks	James	Sloan	U.S.Army Research Laboratory
					3:00 PM	0425-	Characterization Of Properties Of WPC With Glass Fibre Reinforcements	Hamid	Semerlul	UOIT
					3:30 PM	0178-	Melt Rheology And X-Ray Analysis Of Gradient Copolymers: Sequence Design For Processibility	Michelle	Mok	Northwestern University
					4:00 PM	0408-	Birefringence In Gas-Assisted Injection Moldings: Contribution Of Thermal Birefringence	Antonio	Carrillo	The University of Akron
					4:30 PM	0152-	Silica Aerogels Crosslinked By Flexible Polyurethanes: Effects Of Silane Precursors On Structure-Property Relationships	Jason	Randall	University of Akron
181C	M28	Failure Analysis and Prevention	Failure Analysis of Plastic Parts and Open Panel Session	1:30 - 2:30 PM Andy Shaw, Packer Engineering; 2:30 PM Paul Gramann, The Madison Group	1:30 PM	Keynote-	Failure Investigation of a Modified Product: The Importance of Performance Testing When Making Small Changes to Existing Products	Mike	Hanks	
					2:00 PM	0252-	Fracture Of Plastic Parts In Water Service	Myer	Ezrin	University of Connecticut
					2:30 PM	Open Panel Forum	At this forum, moderated by Paul Gramann, four experts (Michael Sepe, Myer Ezrin, Jeff Jansen, and Don Duval) will answer questions from the audience on materials, design, testing, and processing. Attendees are encouraged to bring failed parts for discussion and evaluation. The forum will be held from 2:30 to 4:30 PM. Soda and cookies will be provided for attendees.			
185BC	M29	Fundamentals Forum and Fellows Task Force	Innovation and Invention in Polymers and Polymer Processing	George Martin	1:30 PM	1048-	Breakthrough Inventions In Polymer Extrusion	Chi-Kai	Shih	Chi-Kai Shih, LLC
					2:00 PM	Keynote-	Single Screw Extruders	Timothy	Womer	Xaloy, Inc.
					2:30 PM	Keynote-	Single Screw Processes And Scale-Up	Mark	Spalding	The Dow Chemical Company
					3:00 PM	Keynote-	Twin Screw Extrusion	Paul	Andersen	Coperion Corporation
					3:30 PM	0128-	Instrumentation And Controls Inventions And Innovations Impacting The Polymer Processing Industry	Mark	Wetzel	E. I. du Pont de Nemours and Company, Inc.
					4:00 PM	0939-	Breakthrough Inventions And Innovations In Die Design For Polymer Processing	Joseph	Dooley	The Dow Chemical Company
					4:30 PM	Keynote-	Injection Molding	Lih-Sheng	Turng	University of Wisconsin-Madison
185A					5:00 PM		Extrusion Division Business Meeting and Awards and Fellows Reception			
184A	M30	Injection Molding	Multi-Component & Coinjection	Larry Schmidt, LR Schmidt Associates	1:30 PM	0199-	Development Of Alternative Process Technology For Multi-Component Injection Molding	Rainer	Kleeschulte	University of Paderborn
					2:00 PM	0692-	Simulations And Experimental Studies Of Interface Distribution And Birefringence In The Sequential Co-Injection Molding Of Amorphous Polymers	Nam Hyung	Kim	University of Akron
					2:30 PM	0163-	A Study On Material Distribution And Mechanical Properties In Co-Injection Molding	Rachmat	Mulyana	The Ohio State University
					3:00 PM	0904-	Multi-Component Technique: Hybrid Primary Forming Of Plastics Parts With Electrically Conductive Tracks	Andreas	Neuß	Institute of Plastics Processing at RWTH Aachen University (IKV)
					3:30 PM	0256-	The Investigation Of Warpage Behavior By Considering The Process-Induced Property Variation In Sequential Overmolding	Jing	Wei	CoreTech System
					4:00 PM	0973-	Sandwich Structure Of Reinforced Material Prepared By Injection-Press Molding	Osamu	Segawa	Kyoto Institute of Technology, Toshiba Machine Co. Ltd.
					4:30 PM	0976-	New Functions Of Thermoplastic Elastomer Based Sandwich Injection Moldings	Hiroyuki	Hamada	Kyoto Institute of Technology

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
184BC	M31	Injection Molding	Automation and Optical Combined Session	Brian Young, Penn State Erie, The Behrend College	1:30 PM	Keynote--	21st Century Molding - Fully Automated Injection Molding Production Cells	Joachim	Kragl	ENGEL Canada, Inc.
					2:00 PM	Keynote--	Automated Production Cells For Increased Production Efficiency	Martin	Neff	Arburg Inc.
					2:30 PM	Keynote--	Simple Robotics Via 'Open Systems' Plc Controls	Bill	Egert	Logic One Robots
					3:00 PM	1025--	Energy Efficiency Through Automation	Anna	Liberg	ABB Robotics
					3:30 PM	0009--	An Assessment On Optical Quality Of Molded Backlite Compared To Thermofomed Backlite	Chengtao	Li	Exatec
					4:00 PM	0930--	Quality Analysis Of Injection-Compression Moulded Optical Lenses	Sebastian	Hessner	IKV Aachen
					4:30 PM	0029--	Effects Of Aperture Structure On Residual Stress Of Precision Injection Molded Microlens Arrays	Can	Weng	The Hong Kong Polytechnic University
181B	M32	Joining of Plastics and Composites	Hot Plate and Staking	Marc St. John, EWI	1:30 PM	0509--	Effect Of Molecular Structure On Heat Seal Properties For High Density Polyethylene Film	Ken	Miyata	Yamagata University
					2:00 PM	0201--	In-Line Process Optimization Of Hot-Plate Welding Using An Innovative Actuation Concept	Reinhild	Hoffschlag	University of Paderborn
					2:30 PM	0131--	Influence Of Processing Parameters On Microstructure And Properties Of A Polyetherimide Joined By Friction: Investigation Of Rotational Speed	Sergio	Amancio Filho	GKSS Research Centre
					3:00 PM	0331--	Prediction Of Residual Stress Formation In Polycarbonate Welded Samples Using Finite Element Analysis	Avraham	Benatar	The Ohio State University
					3:30 PM	0325--	Experimental Study Of Hot Plate Welding Of Polycarbonate Using Displacement Versus Pressure Control	Avraham	Benatar	The Ohio State University
					4:00 PM	0315--	Experiments With Impulse Heat Staking Of Polypropylene To ABS	Avraham	Benatar	The Ohio State University
181B					4:30 PM		SIG Steering Committee Meeting			
182	M33	Marketing and Management	Innovation in Today's Competitive Environment	Norm Fowler, Keys Six Sigma	1:30 PM	1038--	Building Blocks Of Innovation	Bonnie	Bachman	Missouri University of Science and Technology
					2:00 PM	1057--	Modeling The Future: Managing The Tools That Enable Innovation	Margaret	Baumann	G.H. Associates
					2:30 PM	1065--	The Map Is Not The Territory	Bonnie	Bachman	Missouri University of Science and Technology
					3:00 PM	1033--	Designation™: The Systematic Application Of Innovation Within A Design For Six Sigma (Dfss) Structure	Mark	Kiemele	Air Academy Associates
					3:30 PM	1064--	Lean Six Sigma And Innovation Can Synergistically Fit Within Product Development	Norman	Fowler	Keys Six Sigma Inc
					4:00 PM	1053--	Voice Of The Customer: Its Impact On Innovation And Commercial Success	Philip	Mayfield	SigmaZone.com
					4:30 PM		The Role Of Innovation In Today's Competitive Marketplace			John Dwyer, Bonnie Bachman, Stephen Spanoudis, Mark Kiemele, Philip Mayfield and Norm Fowler
176	M34	New Technology Forum	Downstream Processing of Bioplastics		1:30 PM	Keynote--	Twin Screw Extrusion System Designs to Process Emerging Biobased Compounds	Charlie	Martin	Leistriz
					2:00 PM	Keynote--	Advancements in Biomaterial Performance Through Blending and Additive Technologies	Jim	Gray	PolyOne
					2:30 PM	Keynote--	Processing Bio-Based / Biodegradable Poly hydroxybutyric acid Copolymer (PHB) with conventional Thermoplastic Process Equipment	Thomas	Pitzi	Metabolix
					3:00 PM	Keynote--	Bioresin Raw Material Handling Systems and Techniques	Bob	Crawford	Universal Dynamics
					3:30 PM	Keynote--	Advances in Modifiers for PLA in Blow Molding Applications	Alex	Sokolowski	BASF
					4:00 PM	Keynote--	New and Improved Screw Technology for Processing INGENO™	Timothy	Womer	Xaloy
					4:30 PM	Keynote--	TBD			
5:00 PM		Panel Discussion								
187A	M35	Polymer Analysis	Film	Harrison Yu, Thermofisher Scientific	1:30 PM	Keynote--	Effect Of Sparse Long Chain Branching On Rheology And Processing	Donald	Baird	Virginia Tech
					2:30 PM	Keynote--	Fabrication And Integration Of Polymer Micro Sensors	Chang	Liu	Northwestern University
					3:30 PM	0297--	Gradient Multilayer Films By Forced Assembly Coextrusion	Michael	Ponting	Case Western Reserve University
					4:00 PM	0441--	Effects Of Free Surfaces And Substrate Interactions On The Distributions Of Glass Transition Temperature In Nanoconfined Polymers	Hui	Deng	Northwestern University
					4:30 PM	0811--	Relation Between Bubble Stability In The Film Blowing Process, MFI And Relaxation Modulus	Erika	Palacios Aguilar	ITESM

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					5:00 PM	0975-	Film Insert Molding Based On Polyoxymethylene And Poly(Lactic Acid): Morphological Characteristics And Interfacial Adhesion Properties	Kazushi	Yamada	Kyoto Institute of Technology
185D	M36	Thermoforming	Thermoforming Technology	Donald Hylton	1:30 PM	1049-	Plug Materials For Thermoforming: The Effects Of Non-Isenthal Plug Contact	Peter	Martin	Queen's University of Belfast
					2:00 PM	0852-	The Dependence Of Wall Thickness On Changes In Material And Process Conditions In Plug Assist Thermoforming	Christina	Harter	Institute for Polymer Technology
					2:30 PM	1061-	Investigation Into The Effect Of Extrusion And Thermoforming Parameters On The Properties Of Polypropylene Containers	Eileen	McConville	Queen's University of Belfast
					3:00 PM	0140-	Polypropylene - Cup Conversion From Injection Molding To Thermoforming	Piaras	de Cleir	Kraft Foods
					3:30 PM	0859-	Ultrasonic Sealing And Cutting In Thermoforming	Sven	Engelmann	Gerhard Schubert GmbH
					4:00 PM	0838-	Effect Of Polydimethylsiloxane On Copolymer-Polypropylene Foams In Batch And Extrusion Processing	Qingfeng	Wu	National Engineering Research Center of Novel Equipment for Polymer Processing
					4:30 PM	0038-	Dynamics Of Plug- Assisted Thermoforming Processes	Hossein	Hosseini	University of Tabriz
187B	M37	Thermoplastic Elastomers	Thermoplastic Elastomers	1- 3 PM Armando Sardanopoli, Sardanopoli Specialty Elastomer Consultant LLC; 3 - 5 PM Tom Bell, S & T Group LLC	1:30 PM	Keynote-	Driving the Future: Polyolefin Elastomers Meeting Customer Needs	Tim	Diephouse	Dow Elastomers
					2:00 PM	0469-	Preparation Of Microcellular Poly(Ethylene-Co-Octene) Rubber Foam Using Supercritical CO2 Technology	Wentao	Zhai	University of Toronto
					2:30 PM	0371-	Highly Oil Extended Olefin Block Copolymers	Ashish	Batra	The Dow Chemical Company
					3:00 PM	0142-	Complex Melting Behavior Of A Poly(Ether-Block-Amide) Copolymer Induced By Thermal Annealing	Xiaoping	Guo	St Jude Medical Inc.
					3:30 PM	0082-	Soft Thermoplastic Polyurethanes	Donald	Meltzer	Lubrizol Advanced Materials
					4:00 PM	0196-	Thermo-Mechanical Studies Of Double Network Elastomeric System	Naveen	Singh	University of Massachusetts
					4:30 PM	0717-	Developments On Propylene-Ethylene Copolymers Blends With Styrene Block Copolymers	Nei	Domingues	Softer Brasil Compositos Termoplasticos, FEEVALE
179A	M38	Thermoplastic Materials and Foams	Polyolefins and Engineering Plastics	Natarajan Ramesh	1:30 PM	0982-	Structure-Property Relationships Of Polyolefin Based Elastic Fibers	Yushan	Hu	Dow Chemical
					2:00 PM	0586-	Thermal Conductivity Of Polymers Filled With Non-Isometric Fillers: A Process Dependent, Anisotropic Property	Christoph	Heinle	University of Erlangen-Nuremberg
					2:30 PM		Development Of New Polypropylene Grade For Injection Stretch Blow Molding (ISBM) Applications	Luyi	Sun	
					3:00 PM	0191-	Scratch-Resistant, Transparent Polycarbonates With Eco-Compliant Flame Properties	Vandita	Pai-Paranjape	SABIC Innovative Plastics
					3:30 PM	0462-	Color Stability Of Transparent High Heat Polycarbonate In Automobile Lens Applications	Srinivas	Sripurapu	SABIC Innovative Plastics
					4:00 PM	0819-	Polycarbonate Hydrolysis	Robert	Gallucci	SABIC Innovative Plastics
					4:30 PM	0995-	Abrasion Resistance Measurement Of Thermoplastic Olefins	Robert	Browning	Texas A&M University
179B	M39	Thermoplastic Materials and Foams	Advances in Materials for Foaming	Manoj Chaudhary	1:30 PM	0409-	Thermally-Expandable Microcapsule For Polymer Foaming - Its Expandability And Viscoelasticity	Yasuhiro	Kawaguchi	Sekisui Chemical CO.Ltd
					2:00 PM	0228-	Challenging The Paradigm Of Microcellular Foams: Mechanical Properties Of Low-Density Cyclo-Olefin Copolymer Foams	Richard	Gendron	National Research Council Canada
					2:30 PM	1021-	Comparison Of Extrusion Foaming Behavior Of Random And Block Polypropylene Copolymers	Eung Kee	Lee	University of Toronto
					3:00 PM	0707-	Foaming Behavior Of Melt Blended Polylactide-Chitin Composites	Reza	Rizvi	University of Toronto
					3:30 PM	0927-	Foaming Of LDPE/Nanosilica Nanocomposites: Improving The Cellular Structure And Mechanical Properties	Miguel Angel	Rodriguez-Perez	University of Valladolid
					4:00 PM	0192-	Influence Of The Injection Moulding Processing Parameters To The Mechanical Properties Of Microcellular Foamed Polycarbonate	Martin	Rohleder	University Kassel - Institute for Material Technology
					4:30 PM	0310-	influence of the microstructure on the foaming behavior of an immiscible blend	Peter	Gutmann	University of Bayreuth

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
186C	M40	Vinyl Plastics	Advances in Vinyl	Bill Arendt, Velsicol; David Owen, BASF Bill Arendt- Velsicol David Owen - BASF	1:30 PM	Keynote--	PVC--Yesterday, Today & Tomorrow	Brad	Eस्कilsen	
					2:30 PM	0068--	Smoke Suppression Of PVC By Metal-Exchanged Clay And Zeolite Additives	Alex	Zestos	College of William and Mary
					3:00 PM	0375--	Continuous Extrusion Production Of Microcellular Rigid PVC	Laurent	Matuana	Michigan State University
					3:30 PM	0999--	Novel Single Screw For RPVC Powder That Compounds	David	Lorenc	Randcastle Extrusion Systems Inc.
					4:00 PM	0236--	Exploring The Preparation Of Poly(1,2-Dichloroethylene) Through Ring-Opening Metathesis Polymerization (Romp) And Chlorination	Xianlong	Ge	Penn State University at Schuylkill
					4:30 PM	0986--	Influence Of Luminescent Compound Derivate Of Aldol Condensation In PVC Degradation	Sofia	Vazquez-Rodriguez	Universidad Autónoma de Nuevo León
TUESDAY June 23rd										
Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
187B	T1	Alloys and Blends	Design, Performance and Characterization of Advanced Engineering Polymer Blends	Vandita Pai Paranjape, SABIC Innovative Plastics	9:00 AM	0824--	Flame Retardancy Of Polycarbonate-Pdms Copolymer Compositions	Krishna	Maruvada	SABIC Innovative Plastics
					9:30 AM	0053--	Thermoformable Flame Retardant Pc/Abs Blends For Novel Low Gloss Medical Applications	Amit	Kulkarni	SABIC Innovative Plastics
					10:00 AM	0624--	Low Smoke Polyphenylene Ether Blends	Abhijit	Namjoshi	SABIC Innovative Plastics
					10:30 AM	0876--	New Low Gloss Polycarbonate Blends For Automotive Applications	Marina	Rogunova	Bayer MaterialScience
					11:00 AM	0094--	Improved Weathering Performance In Flame Resistant Pc/Abs Blends Via Addition Of Tailored Silicone Copolymers	Srinivas	Siripurapu	SABIC Innovative Plastics
					11:30 AM	0364--	Blends Of INFUSE Olefin Block Copolymers For Adhesion To Polar Substrates	Ashish	Batra	The Dow Chemical Company
185D	T2	Applied Rheology	Novel Rheology Techniques		9:00 AM	0651--	Development And Testing Of Novel Orifice Die Design For Extensional Viscosity Measurements	Martin	Zatloukal	Faculty of Technology, Tomas Bata University in Zlín
					9:30 AM	0243--	A Continuous Lubricated Squeezing Flow Technique To Study The Rheological Behavior Of Polymer Melts In Equibiaxial Elongational Flow	David	Venerus	Illinois Institute of Technology
					10:00 AM	0501--	An In Situ Structuring Rheometer Based On Chaotic Advection	David	Zumbrunnen	Clemson University
182	T3	Automotive	Materials Developments		9:00 AM	0352--	Abs-Pa Innovation For Automotive Interiors	Robert	Hooker	BASF Corporation
					9:30 AM	0350--	Weathering Performance Advantages Of Mold-In-Color Pmma Acrylic Versus Coated Plastics For Exterior Trim Applications	Reid	Banyay	Altuglas International
					10:00 AM	0801--	Breakthrough Material For Low Gloss And Abrasion Resistance With Molded-In-Color Automotive Interior Components	Steve	Rogers	Dow Automotive
					10:30 AM	0823--	Surface Enhancement Of Tpo Polymers With Improved Flow And Scratch Properties	Ashutosh	Sharma	Axel Plastics
					11:00 AM	0158--	High Flow Pp/Epr Blends For The Automotive Industry: Basic Correlations Between Epr Composition And Application Properties	Georg	Grestenberger	Borealis Polyolefine GmbH
					11:30 AM	0614--	Integrating Thin Wall Bumper Moulding Into Resin Properties: Effect Of Impact-Stiffness-Tensile Balance	Santanu	Dutta	Machino Polymers Limited
187A	T4	Color and Appearance	Color and Appearance	James J. O'Dwyer, Croda, Inc.	9:00 AM	Keynote--	Food Contact Compliance	Neal	Earhart	Ciba Corporation
					9:30 AM	0174--	Evaluation Of Titanium Dioxide Pigments In A Renewably Resourced Polymer	Philipp	Niedenzu	DuPont
					10:00 AM	0935--	Understanding The Astm Method For Heat Build-Up Strategies For The Replacement Of Lead- And Chrome-Based Pigments In Synthetic Turf	Steven	Goldstein	BASF
					10:30 AM	1063--	Realistic Appearance Of Wood Grains Formed With Smart Blenders On Surfaces And Inside Extruded Plastics	Tad	Finnegan	Ciba Corporation
					11:00 AM	0718--	Measuring Distinctness Of Image Of High Gloss Surfaces	David	Zumbrunnen	Clemson University
					11:30 AM	0902--		Dieter	Gruber	PCCL

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
180	T5	Composites	Nanocomposites - Clay reinforcement II	Aaron W. Bartel, Boeing - M&PT	9:00 AM	0086-	Nanocomposite Hierarchical Structures In Blast Mitigation	Christopher	Ibeh	Pittsburg State University
					9:30 AM	0080-	Mode I And II Interlaminar Fracture Toughness Of Nanoclay-Reinforced Epoxy/GF Composites	Martin	Bureau	National Research Council Canada
					10:00 AM	0488-	Polyolefin/Clay Nanocomposites: Comparison Of Different Types Fillers And Use Of Mathematics Models For Tensile Strength	Hana	Kubisova	Tomas Bata University in Zlin
					10:30 AM	0513-	Properties Of Melt Strength On Blends Of Polypropylene /Polyamide-6/Organoclay Nanocomposites	Xiang-Fang	Peng	NERC of Novel Equipment for Polymer Processing
					11:00 AM	0476-	Effect Of Organoclay On The Mechanical Properties And Crystallization Behaviors Of Injection-Molded PP/ABS/ Montmorillonite Nanocomposites	Xiang-Fang	Peng	NERC of Novel Equipment for Polymer Processing
W179A		Composites	Long-fiber Composites Panel Discussion	Louis W. Martin, Martinsight	9 AM - 12 PM		Materials Compounding End-user	Fred	Deans	Hanwha
								Hansel	Ramathal	Ticona
								Nitin	Apte	SABIC Innovative Plastics
								Ron	Hawley	CPI
								Eberhard	Dieterich	Coperion
								Martin	Popella	KraussMaffei Technologies GmbH
								Martin	Mack	Berstorff
								Peter	McCormack	Dieffenbacher North America
								Jeff	Robins	Meridian
178A	T6	Engineering Properties and Structure	Mechanical Properties	Chi-Ming Chan, Hong Kong University of Science and Technology; Rajen Patel, Dow Chemical	9:00 AM	Keynote-	The Role Of Nano-Particles In Fracture Of Polymer Nanocomposites With Very High Impact Toughness	Jingsheng	Wu	Hong Kong University of Science and Technology
					10:00 AM	0127-	Evaluation Of Environmental Stress Cracking Resistance In Polyethylenes: Bent Strip Vs. Constant-Tensile-Load Methods	Johan	Sanchez	Universidad Simon Bolivar
					10:30 AM	0223-	A Phenomenological Constitutive Model For Strain Softening Prediction In Semi-Crystalline Polymers	Joel	Bohorquez	Investigación y Desarrollo C.A. - Aplicaciones
					11:00 AM	0664-	Analysis Of Variations At High Deformations In Tensile Tests Of PE Films	Agustin	Torres	Investigación y Desarrollo, C.A.
					11:30 AM	0396-	Sensitivity Of Mechanical Properties Of Polyamide-Imide To Lot-To-Lot Variability	Alan	Kasner	Hamilton Sundstrand
					12:00 PM		EPS Div. TPC Meeting			
178B	T7	Engineering Properties and Structure	Nanocomposites II	Jeffrey Gillmor, Kodak; Hoang Pham, Dow Chemical	9:00 AM	Keynote-	Rheology As Tool For Elucidation Of Structures And Properties Of Polymer Nanocomposites	Sadhan	Jana	The University of Akron
					10:00 AM	0486-	Ultrasound Assisted Melt Processing Of LCP/CNF Nanocomposites	Rishi	Kumar	The University of Akron
					10:30 AM	0834-	Poly(lactic Acid) Composites Based On Ionic Liquid Modified Cationic And Anionic Clays	Jin	Ha	NJ Institute of Technology
					11:00 AM	0841-	Design And Performance Criteria For Multi-Functional Shape Memory Polymer Nanocomposites	I. Sedat	Gunes	The University of Akron
					11:30 AM	0846-	Reducing Physical Aging Of Plastic Composites By In-Situ Structural Rejuvenation	Charles	Rohn	RRohn & Associates, Inc
185A	T8	Extrusion	Extrusion General	Mahesh Gupta	9:00 AM		Extrusion Division Website Wiki Demonstration	Michelle	Currenton	Weco International, Inc.
					9:30 AM	0004-	Polytetrafluoroethylene (PTFE) Paste Extrusion: Experiments And Flow Simulations	Savvas	Hatzikiriakos	U. British Columbia
					10:00 AM	0225-	An Experimental Investigation Into Melt Pump Performance	Walter	Smith	Xaloy Inc.
					10:30 AM	0034-	Making Your Extruder Green	Scott	Barlow	Integrated Control Technologies
					11:00 AM	0893-	Characteristics Of Conveying Research Of Polymer Vane Extruder	Jinping	Qu	National Engineering Research Center of Novel Equipment for Polymer Processing, South China University of Technology
185BC	T9	Extrusion	Single-Screw II	Jeff Myers	11:30 AM	0900-	Research On The Micro-Extrusion Characteristic Of Mini-Screw In The Screw Extruding Spray Head	Bin	Liu	National Engineering Research Center of Novel Equipment for Polymer Processing, South China University of Technology
					9:00 AM	Keynote-	Screw Manufacturing	Jeff	Kuhman	
					9:30 AM	0817-	An Engineering Approach To Designing Plasticating Screws For Single-Screw Extruders	Mark	Spalding	The Dow Chemical Co
					10:00 AM	0983-	3D FEM Analysis Of A Wave Type Screw Channel	John	Perdikoulis	COMPUPLAST

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					10:30 AM	0908--	Closed Loop Quality Control Of The Processing Of Undried Polycondensates Using Melt Degassing Single Screw Extrusion	Henning	Seidel	Institute of Plastics Processing at RWTH Aachen University (IKV)
					11:00 AM	0168--	Performance Of Helibar Extruder With Grooved Barrel Investigation Into Melting And Mixing Within The Spiral Fluted Elongational Mixer Screw	Chan	Chung	Rensselaer Polytechnic Inst.
					11:30 AM	0498--		Keith	Luker	Extrusion Technical Services
181C	T10	Failure Analysis and Prevention	Tutorial Session	Henk P. Blom, Baxter Healthcare	9:00 AM		Using Fractography to Determine Cause of Plastic Failure	Jeff	Jansen	Stork Technimet
					10:00 AM		Using Mold Filling and Structural Analysis for Cause and Prevention of Plastic Failure	Erik	Foltz	The Madison Group
					11:00 AM		Understanding the Interaction Between Time, Temperature, and Stress Using Techniques Such as DMA	Mike	Sepe	Sepe Consulting
184D	T11	Flexible Packaging, Joint with Bioplastics	Sustainability in Flexible Packaging - I	Mehmet Demirors, Dow Chemical	9:00 AM	0138--	Processing Cost And Environmental Impact Of Bio-Plastics	Julius	Vogel	Iowa State University
					9:30 AM	0959--	Resin Life Cycle Estimation To Help Guide Sustainability Choices	Barry	Morris	Dupont
					10:00 AM	0781--	Towards Quality Products From Bio-Based Plastics	Rolf	Koster	Delft University
					10:30 AM	Keynote--	Design Considerations for Food Packaging using Bioplastic Materials	James	Huang	Bemis Company, Inc.
					11:00 AM	Keynote--	Sustainability Coming to a Law Near You?	Eric	Greenberg	Eric F. Greenberg, P. C.
					11:30 AM	0831--	Screw Design Considerations For Biobased Polymers	Edward	Steward	American Kuhne, Inc.
184A	T12	Injection Molding	In-Mold Labeling & Decoration	Michael Uhrain, Demag Plastics Group	9:00 AM		In-Mold Film Decoration Overview	Michael	Kerr	Nissha USA, Inc.
					9:30 AM	0454--	Study On The Mold Temperature Variation During In Mold Decoration Process	Ying-Chieh	Wang	Chung Yuan Christian University
					10:00 AM	0048--	Injection Moulding Of High-Performance Hybrid Composites In Series-Production	Thomas	Muller	Friedrich-Alexander University Erlangen-Nuremberg
					10:30 AM	0947--	Impact Resistance Of Poly(Ethylene Terephthalate) Textile Insert Molding	Yew Wei	Leong	Kyoto Institute of Technology
					11:00 AM	0198--	3D Forming Of Genuine Wood Veneer And In-Mold Lamination With Wood-Plastic-Composites (WPC) In One Injection Molding Cycle	Cathrin	Funke	University of Paderborn
184BC	T13	Injection Molding	Fiber-Filled Material	Hoa Pham	9:00 AM	0019--	Localized Reinforcement Of Injection Molded Parts Using Continuous Length Glass Fibers	Frank	Jaarsma	Ticona
					9:30 AM	0952--	PLA Composites Reinforced By Wheat And Rye Husk	Abdullah	Mamun	Material Engineering
					10:00 AM	0710--	Simulation Of Orientation In Injection Molding Of A Highly Concentrated, Short Glass Fiber Thermoplastic Composites	Gregorio	Velez	Virginia Polytechnic Institute and State University
					10:30 AM	0972--	Fracture Behavior Of Jute/PP, Jute/Glass Fiber/PP Injection Moldings	Hiroyuki	Hamada	Kyoto Institute of Technology
					11:00 AM	0330--	Melt Processable, Fiberglass Reinforced, High Heat Thermoplastic Polyimides	Daniel	Lowery	SABIC Innovative Plastics
181B	T14	Joining of Plastics and Composites	Laser Welding	Avraham Benatar, OSU	8:30 AM	0123-	Closed Loop Control in Laser Welding of Plastic Components	Richard	Davis	Rofin-Sinar, Inc
					9:00 AM	0050--	Laser Welding Of Thermoplastic Urethane Films	Ryan	Marsico	Gentex Corp.
					9:30 AM	0862--	Optical Properties Characterization Of Thermoplastics Used In Laser Transmission Welding: Part I. Transmittance And Reflectance	C.Y.	Wang	Soochow University
					10:00 AM	0911--	CO2 Laser Welding Of The PFA Disk Top On A Circular Tube Assisted By A Transparent Solid Heat Sink	Yasuo	Kurosaki	University of Electro-communications
					10:30 AM	0434--	Laser Welding Of Nylon Tubes To Plates Using Conical Mirror	Phil	Bates	Royal Military College of Canada
					11:00 AM	0430--	Laser Transmission Welding Of Glass Fibre Reinforced Nylon 6 - Finite Element Thermal Modeling And Microstructural Validation	Phil	Bates	Royal Military College of Canada
186C	T15	Nano/Micro Molding	Nano/Micro Molding		9:00 AM	0254--	Evaluation Of Replication Properties On Molded Surface By Ultrasonic Injection Molding System	Atsushi	Sato	Idemitsu Kosan
					9:30 AM	0455--	Efficiency Evaluation Of Gas-Assisted Heating And Its Application To Dynamic Mold Temperature Control To Improve Micro-Featured Molding	Shia-Chung	Chen	Chung Yuan Christian University
					10:00 AM	0626--	Micro Injection Molding Of LCP-Modified PA66	Giovanni	Lucchetta	University of Padova
					10:30 AM	0706--	Enhancement Of Surface Replication By Micro-Gas-Assist-Injection Molding	Prabhu	Palanisamy	University of Massachusetts Lowell

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					11:00 AM	0171-	The Morphology Of Micro-Injection Molded Polyoxymethylene	Musa	Kamal	McGill University
					11:30 AM	0047-	Process Induced Properties Of Micro-Injection Molded Parts – New Aspects	Ariane	Jungmeier	Friedrich-Alexander University Erlangen-Nuremberg
186B	T16	Polymer Modifiers and Additives	Impact Modifiers and Toughening Agents		9:00 AM	1052-	Epoxy Polymers Toughened By Triblock Copolymers	Ray	Pearson	Lehigh University
					9:30 AM	0980-	Nanostrength Block Copolymers For Epoxy Toughening	Robert	Barsotti	Arkema, Inc.
					10:00 AM	0843-	Toughening Of Epoxy Using Pep-Peo Block Copolymer Nanoparticles	Jia (Daniel)	Liu	Texas A&M University
					10:30 AM	0429-	Epoxy Thermosets Toughened With Amphiphilic Block Copolymers	George	Jacob	Dow Chemical Company
					11:00 AM	0825-	Elastomer particle morphology in rubber toughened amorphous polyamide nanocomposites	Youngjae	Yoo	The University of Texas at Austin
					11:30 AM	1005-	Silicone Based Flame Retardant For Polycarbonate	Wolfgang	Abele	Kaneka Texas Corporation
181A	T17	Product Design and Development	Product Design and Development		9:00 AM	0444-	Melt Flow Analysis Of ABS In Fused Deposition Modelling Process	Syed	Masood	Swinburne University of Technology
					9:30 AM	0535-	Dynamic Mold Surface Temperature Control For Molding High Gloss, Painting Free, Part Surface Achieving Cycle Time And Cost Reduction	Shia-Chung	Chen	Chung Yuan Christian University
					10:00 AM	0589-	Investigation Of The Heat Hesitation In The In Mold Decoration Processing With The Film	Cheng-Han	Tsai	CoreTech (Moldex3D) System Co., Ltd.
186A	T18	Rotational Molding	Rotational Molding I	Greg Stout, Blue-Reed, LLC	9:00 AM	Keynote-	Rotational Molding Industry	Peter	Mooney	
					10:00 AM	0141-	Modified Polyethylene For Improved Adhesion Properties In Rotationally Molded Parts	Alfredo	Morita	ICO Polymers North America
					10:30 AM	0283-	Mixing Of Polymer Powders Of Different Particle Sizes In A Rotating Mold	Denis	Rodrigue	Laval University
					11:00 AM	0115-	Processing Integral-Skin Polypropylene Foams Utilizing Extrusion-Assisted Direct-Foaming Rotational Molding	Emad	Abdalla	University of Ontario Institute of Technology
					11:30 AM	0656-	Study Into The Densification Behaviour Of Polyethylenes For Rotational Moulding	Paul	Hanna	Polymer Processing Research Centre
179B	T19	Thermoplastic Materials and Foams	Fundamentals in Foam Processing	Mark Liu	9:00 AM	0240-	Cell Structure Of Injection Molded Thermoplastic Olefin Foams	Amirhossein	Maani	Ecole Polytechnique
					9:30 AM	0190-	A New Interpretation of The Talc-Enhanced Polymeric Foaming Process	Siu Ning	Leung	University of Toronto
					10:00 AM	0997-	Numerical Simulation Of Pressure Distribution Around A Heterogeneous Nucleation Site	Lilac Cuiling	Wang	University of Toronto
					10:30 AM	0803-	Effect of Blending Modification With Polyethylene on Cell Morphology of Polycarbonate Foam	Mingyi	Wang	South China University of Technology
					11:00 AM	0746-	Determination Of The Solubility Of Blowing Agent In Polymer Without Using Any Equation Of State	Yao Gai	Li	University of Toronto
187B	T20	Alloys and Blends	Morphological, Rheological and Processing Studies of Diverse Polymer Blend Systems	Krishna Maruvada	1:30 PM	0411-	The Mechanical And Rheological Behavior Of The PA/TPU Blend With POE-G-MA Modifier	Chao-Yin	Chuang	Plastics Industry Development Center
					2:00 PM	0527-	Core Morphology Of Pbs Alloys And Properties Of PP-Based Sandwich Injection Moldings	Yuji	Fujita	Japan Polypropylene Corporation
					2:30 PM	0878-	The Development Of Microfibrillar-Phase Morphology In PB-1/PP Blends	Lubomir	Benicek	Tomas Bata University in Zlin
					3:00 PM	0967-	Effect Of Hygrothermal Treatment On Rheological And Mechanical Properties Of Recycled Poly(Ethylene Terephthalate)/ Recycled Polypropylene Blends	Yew Wei	Leong	Kyoto Institute of Technology
					3:30 PM	0540-	Morphology Development In The Pellet During Compounding Of Recycled Poly(Ethylene Terephthalate) (RPET)/Polypropylene (PP) Blends	Yew Wei	Leong	Kyoto Institute of Technology
					4:00 PM	1041-	Phase Behavior Of Blends Containing Poly(Resorcinol Phthalate-Block-Carbonate) And Poly(Ethylene Terephthalate)	Jun	Tian	SABIC Innovative Plastics
182	T21	Automotive	Automotive Applications Development		1:30 PM	1047-	At-Press TPO Technology	Parvinder	Walia	The Dow Chemical Company
					2:00 PM	0036-	Most Critical Steps For Replacing Metal With High Performance Engineering Polymers For Under-Hood Applications	Kirit	Desai	Solvay Advanced Polymers
					2:30 PM	0338-	Challenges And Value Of Engineering Thermo Plastics In Heavy Commercial Vehicle's Body Panel Market Space	Venkatesha	N	GE India Tech Centre

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					3:00 PM	0994--	Direct Part Laser Marking Of Plastics	Jake	Wieloch	Rofin
					3:30 PM	0823--	Surface Enhancement Of TPO Polymer With Improved Flow And Scratch Properties	Ashutosh	Sharma	Axel Plastics
182					4:00 PM		An Innovative Approach To Achieve A Structurally Validated Thermoplastic Armrest	Arun	Chickmenahalli	IACNA
					4:30 PM		Automotive Division Membership & Board Meeting			
187A	T22	Color and Appearance	Color and Appearance Session 2	Betty Puckerin, Ampacet Corporation	1:30 PM	Keynote--	Color Trends	Linda	Carroll	Ampacet
					2:00 PM	0981--	NIR Radiation Management Part IV - Integrated Solar Energy Management For Construction And Automotive	Steven	Goldstein	BASF
					2:30 PM	0261--	Improved Color Mixing For Shear And Thermally Sensitive Pigments	Thomas	Hicks	Stratek Plastic Ltd.
					3:00 PM	0960--	Process Improvements For Plastic Processors Resulting From A Modified Form Of Titanium Dioxide	Lisa	Swain	Huntsman Corp
					3:30 PM	0813--	Cost Effective TiO2 Extension In White Color Concentrates Using Anhydrous Calcium Sulfate	Susan	Dichter	USG
187A					4:00 PM	0023--	Applications And Uses Of Byk-Gardner Haze-Gard Plus	James	Roberts	BYK-Gardner USA
					4:30 PM		CAD Division Business Meeting			
180	T23	Composites joint with Plastics in Building and Construction	Composites in Building and Construction		1:30 PM	Keynote--	Title To Be Announced	Mike	Wolcott	
					2:00 PM	0705--	Analysis Of In-Die Cavitation During The Die Drawing Of Composite Materials	Fin	Caton-Rose	University of Bradford
					2:30 PM	0758--	Polymer Orientation In Polypropylene-Talc Composites Stretched Below The Melting Temperature	Krishnamurthy	Jayaraman	Michigan State University
					3:00 PM	0794--	Identification Of A Plateau Region In Solid State Die Drawing Of Polypropylene/Talc	Kevin	Nichols	The Dow Chemical Company
					3:30 PM	0365--	Effect Of Polymer Film Permeability On Retarding Or Preventing Corrosion And Mold	Donna	Visioli	DuPont
					4:00 PM	1012--	Bright Future - Single Ply Thermoplastic Polyolefin Roofing	Tammy	Yang	GAF Materials Co.
					4:30 PM	1079--	New Structural Polymer For Metal Replacement Applications	Mike	Zimmerman	QLP Inc.
					5:00 PM		Composites Division Wine and Cheese Party			
178A	T24	Engineering Properties and Structure	Thermoplastics	Stephen Driscoll, UMass Lowell, Shriram Bagrodia, Cereplast	1:30 PM	Keynote--	Polyethylene: An Account Of Scientific Discoveries And Industrial Innovations	Rajen	Patel	The Dow Chemical Company
					2:30 PM	0767--	Tritan™ Copolyesters	Emmett	Crawford	Eastman Chemical Company
					3:00 PM	0244--	Properties And Thermoforming Of Tritan™ Copolyester For Signs	Wayne	Shih	Eastman Chemical Company
					3:30 PM	0242--	Eastman Tritan™ Copolyester For Housewares Applications	David	Porter	Eastman Chemical Company
					4:00 PM	0235--	A History Of Copolyester Development At Eastman Chemical Company	Eric	Moskala	Eastman Chemical Company
					4:30 PM	0477--	A Unified Morphological Description Of Ionomers	Brian	Grady	University of Oklahoma
					5:00 PM		Engineering Properties & Structure Division Awards Reception			
185A	T25	Extrusion	Die Design and Performance	Jeff Biesenberger	1:30 PM	1016--	Die Design For Layer Thickness Uniformity In Multilayer Coextrusion	Christopher	Macosko	University of Minnesota
					2:00 PM	1040--	Fluoropolymer Process Aids: The Effect Of Processing Conditions	David	Bigio	University of Maryland
					2:30 PM	0810--	Profile Extrusion Cooling Process Optimization Via Simulation	Jiri	Vlcek	Compuplast Intl., Inc.
					3:00 PM	0775--	A New Non-Conventional Concept For Design Of Sheet Extrusion Dies	Mahesh	Gupta	Michigan Technological University, Plastic Flow, LLC
					3:30 PM	0932--	A Method To Obtain Balanced Flow In Profile Extrusion Dies	Oktay	Yilmaz	Istanbul Technical University
					4:00 PM	0658--	Understanding And Quantification Of Die Drool Phenomenon During Polypropylene Extrusion Process	Martin	Zatloukal	Faculty of Technology, Tomas Bata University in Zlín
185BC	T26	Extrusion joint with Flexible Packaging	Film Processing	John Wagner	1:30 PM	Keynote--	Title to be announced	Paul	Wallen	
					2:00 PM	0209--	Variothermal Heating Concepts For Extrusion Embossing Of Microstructured Films	Micha	Scharf	Institute of Plastics Processing at RWTH Aachen University (IKV)

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					2:30 PM	0512-	Relationship Between Film Structure Development And Extruded Film Width In T-Die Extruding Of High Density Polyethylene	Ken	Miyata	Yamagata University
					3:00 PM	0635-	Non-Isothermal Film Blowing Process Stability Analysis By Using Variational Principles	Martin	Zatloukal	Faculty of Technology, Tomas Bata University in Zlín
					3:30 PM	0879-	A New Blown Film Die For Controllably Forming And Extruding Micro-Layers, Polymer Blends And Composites	David	Zumbrunnen	Clemson University
					4:00 PM	0830-	The Effect Of Post Die Processing Time On Adhesion In Coextrusion Blown And Cast Film	Barry	Morris	DuPont
					4:30 PM	0391-	Reducing Runaway Resin For Film Extrusion	Daniel	Joseph	D. R. Joseph, Inc.
181C	T27	Failure Analysis and Prevention	Tutorial Session	Antoine Rios, The Madison Group	1:30 PM		Adhesion Failure Of Plastics Bonded To Various Materials	Myer	Ezrin	University Of Connecticut - Institute Of Materials Science (Retired)
					2:30 PM		FTIR Spectroscopy Applications In The Characterization Of Plastics And Plastic Failure Analysis	Kenneth	Smith	Thermo Fisher Scientific
					3:30 PM		Mechanical Testing Techniques To Determine Plastic Failure	Mary	Kosarzycki	Stork Technimet
					4:00 PM		Failure Analysis Case Studies	Jennifer	Hoffman	Exponent, Inc.
					4:30 PM		Failure Analysis Case Studies	Dale	Edwards	Engineering Systems, Inc.
184D	T28	Flexible Packaging, Joint with Bioplastics	Sustainability in Flexible Packaging - II	Edwin Tam, Teknor Apex Company	1:30 PM	Keynote-	Assessment of Sustainable Packaging Systems	Rafael	Auras	Michigan State University
					2:00 PM	0987-	Improved Dimensional Stability Of Thermoformed Polylactic Acid Articles	Julius	Uradnisheck	DuPont
					2:30 PM	0312-	Poly lactide Toughening Using Impact Modifiers	Rahul	Rasal	Clemson University
					3:00 PM	0105-	Comparison Of Sorbitol And Glycerol As Plasticizers For Thermoplastic Starch In TPS/PLA Blends	Hongbo	Li	Industrial Materials Institute
					3:30 PM	0934-	Property Verification Of Starch Based Polymeric Materials	Brian	Young	Penn State Erie
					4:00 PM	0313-	Melt Extruded Water-Soluble Starch-Based Films	Nathalie	Chapleau	Industrial Materials Institute
					4:30 PM	1054-	Thermal And Rheological Properties Of PHB Synthesized With Various Hydroxyvalerate Content For Potential Use In Food Packaging	Sunny	Modi	The Ohio State University
					5:00 PM	0373-	PLA Property Improvement: Improving The Practical Heat Resistance Of Poly lactic Acid (PLA)	Roger	Avakian	PolyOne Corporation
184A	T29	Injection Molding	Foam & Microcellular	Adam Kramschuster, University of Wisconsin - Stout	1:30 PM	0822-	Morphology Study For Microcellular Injection Molding	Jingyi	Xu	Engel Machinery Inc.
					2:00 PM	0195-	Effect Of Clay On The Mechanical / Thermal Properties Of Microcellular Injection Molded Low Density Polyethylene Nanocomposites	Peming	Hsu	Fareast University
					2:30 PM	0134-	Effect Of Organoclay On The Mechanical / Thermal Properties Of Microcellular Injection Molded PBT-Clay Nanocomposites	Shyh-shin	Hwang	Ching-Yun University
					3:00 PM	0418-	Improvement In Surface Quality Of Microcellular Injection Molded Parts	Jungjoo	Lee	University of Wisconsin-Madison
					3:30 PM	0713-	Foam Injection Molding Of Cellulose Fiber Reinforced Polypropylene Composites	Takashi	Kuboki	University of Toronto
					4:00 PM	0427-	Effects Of Processing Parameters Of Injection Foam Molding On Glass-Fiber Reinforced Polypropylene	Peter	Jung	University of Toronto
					4:30 PM	0771-	Prediction Of Achievable Cell Density In Structural Foam Molding Using Foam Extrusion Result	John	Lee	University of Toronto
184BC	T30	Injection Molding	Process Control I	Dave Karpinski, Nortech	1:30 PM		The Use Of Infrared Thermal Imaging To Study Mold & Part Cooling	John	Bozzelli	Injection Molding Solutions/Scientific Molding
					2:00 PM	0241-	Development Of Dielectric Sensors For On-Line Shear Stress Measurement During The Injection Molding Process	Yiyan	Peng	University of Wisconsin-Madison
					2:30 PM	0524-	Research On Residual Stresses Of Injection Molded PC Parts	Haimei	Li	Zhengzhou University
					3:00 PM	0139-	A Comparison Of Velocity To Pressure Transfer Control Strategies For Injection Molding	Arthur	Schubert	RJG Inc.
					3:30 PM	0267-	Demolding Forces And Coefficients Of Friction In Injection Molding. A New Practical Measurement Apparatus	Gerald	Berger	Polymer Competence Center Leoben
					4:00 PM	0896-	Advanced Process Control For Injection Molding Based On Cavity Pressure	Andreas	Schreiber	Institute of Plastics Processing at RWTH Aachen University (IKV)

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					4:30 PM	1002-	Experimental Determination Of The Aesthetic, Dimensional And Control Process Windows Using The Technique Of Design Of Experiments In Injection Molding.	Suhas	Kulkarni	FIMMTECH Inc.
					5:00 PM		Injection Molding Division Wine & Cheese Reception			
181B	T31	Joining of Plastics and Composites	Industrial Panel: Advances in Plastic Joining Technologies for Medical Applications	David Grewell, IOU	1:30 PM	0918-	Comparison Of Newly Developed Ultrasonic Welder To Standard Ultrasonic Welder	Miranda	Marcus	Dukane - Intelligent Assembly Solutions
					2:00 PM	0872-	Advances In Plastics Joining Technologies For The Assembly Of Medical Devices	Nitin	Phadnis	Branson Ultrasonics Corp
					2:30 PM	0877-	Infrastake - Staking At The Speed Of Light	Scott	Beute	Extol, Inc
					3:00 PM	0577-	Quasi-Simultaneous Laser Beam Welding Of Polymers In Closed Loop	Wolfgang	Horn	DILAS Diodenlaser GmbH
					3:30 PM	0989-	Maximize Ultrasonic Welding Efficiency And Safety By Minimizing Non-Productive Time And Energy Consumption	Vasko	Naumovski	Herrmann Ultrasonics
181B					4:00 PM		Business Committee Meeting			
181A	T32	Mold Making and Mold Design	Moldmaking and the Art of Computer Simulation		1:30 PM	0576-	Mold Cost Price Calculations	Jan	Spoormaker	Delft University of Technology
					2:00 PM	0464-	Using Knowledge-Based Management Technology For An Integrated Mold-Design Process	Hsuan-Liang	Lin	National Central University
					2:30 PM	0465-	Calculation And Analysis Of Mold Cost For Injection Molding Via A Mold Design Navigation System	Shia-Chung	Chen	Chung Yuan Christian University
					3:00 PM	0849-	Automatic Mold Design With Knowledge Management	Wen-Ren	Jong	Chung Yuan Christian University
					3:30 PM	0851-	Integration Of Mold Design And Mold Manufacturing	Wen-Ren	Jong	Chung Yuan Christian University
186C	T33	Nano/Micromolding	Modeling Nano/Micromolding		1:30 PM	0630-	Experimental Validation Of Viscous And Viscoelastic Simulations Of Micro Injection Molding Process	Alberto	Gava	University of Padova
					2:00 PM	0594-	Influence Of Different Process Settings Conditions On The Accuracy Of Micro Injection Molding Simulations: An Experimental Validation	Guido	Tosello	Technical University of Denmark
					2:30 PM	0920-	Computer Simulation For Flow Behavior On Micro-And Nano-Molding	Kazumi	Tada	Plamedia Corporation
					3:00 PM	0098-	Modelling Of Micromoulding	Ben	Whiteside	University of Bradford
					3:30 PM	0054-	Rheo-Optical Measurements In Micromoulding	Robert	Spares	University of Bradford
					4:00 PM	0065-	High Strain Rate Rheometry Of Polymer Melts Relevant To Micromoulding And Thin Walled Injection Moulding	Adrian	Kelly	University of Bradford
					4:30 PM	0096-	A Study on LIGA Nanofabrication for Sub-wavelength optic	Shi-Chang	Tseng	NYUST
176	T34	New Technology Forum	Plastic Microfluidics: Transformative Technology for Tomorrow		1:30 PM		Design, Fabrication and Applications of Polymer Microfluidic Biochips	L. James	Lee	NSF Nanoscale Science and Engineering Center for Affordable Nanoengineering of Polymeric Biomedical Devices, The Ohio State University
					2:00 PM		Bio-applications of Microfluidics: A Flexible Microfluidic Device To Characterize Bacterial Biofilms	Michael	Solomon	University of Michigan
					2:30 PM		Life Science and Chemistry Products Based on Microfluidic Technology: A Challenge for Plastics Manufacturers	Ivar	Meyvantsson	Bellbrook Labs, LLC
					3:00 PM		Microfluidics for Rapid Personalized Diagnostics: Are Thermoplastics the Ultimate Solution?	Michel	Dumoulin	Industrial Materials Institute, National Research Council of Canada
					3:30 PM		Polymer Laminates Integrate Unique Materials for Tailored Applications in Single-Use Microfluidic Devices	Leanna	Levine	ALine, Inc.
					4:00 PM		Liquid Jet Printing with 100 nm Resolution	John	Rogers	University of Illinois at Urbana-Champaign
					4:30 PM		The Creation and Production of Micro Molded Microfluidic Components	Stu	Kaplan	Makuta Technics, Inc.
178B	T35	Polymer Analysis	Application Driven Polymer Analysis	Harrison Yu, Thermofisher Scientific	1:30 PM	Keynote-	The Art And Science Of Polymer Reformulations	Fred	Willard	CAS-MI Laboratories
					2:00 PM	0015-	Measurement Of The Abrasion Capacity Of Flexible Foams For Finishing Crude Pottery	Nora	Restrepo Zapata	Universidad EAFIT
					2:30 PM	0006-	Thermal And Rheological Stabilities Of PE And PP Due To Repeated Processing	Rabeh	Elleithy	King Saud University

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					3:00 PM	0865--	Microfluidic Mixer For Polymer Melts	Doyoung	Moon	NIST
					3:30 PM		X-Ray Scattering Measurements Of Polymer Structure During Extrusion And Injection Molding	Wesley	Burghardt	Northwestern University
					4:00 PM		Solutions For Pet: Grafted Modifiers For Impact Strength And Nucleating Additives For Crystallization Rate	Larry	Bourland	PolyVisions
					4:30 PM	0506--	A System For Combined DSC Raman Measurements And Its Applications To Polymeric Materials	Kevin	Menard	PerkinElmer LAS
179A	T36	Polymer Analysis	Process and Measurements	Harrison Yu, Thermofisher Scientific	1:30 PM	Keynote--	Thermal And Rheological Analysis Of A Poly(Ether-Block-Amide) Copolymer And Its Biomedical Compounds	Xiaoping	Guo	St. Jude Medical (AFD), Inc.
					2:00 PM	Keynote--	Traditional And Novel Uses Of Rotational Rheometers	Gregory	Kamykowski	TA Instruments
					2:30 PM	0342--	Effects Of Confinement On The Tg Of Free-Standing Polymer Films: Novel Fluorescence Studies	Soyoung	Kim	Northwestern University
					3:00 PM	1062--	Microstructural Study Of Graphite Filled Polyethylene Terephthalate Nanocomposites	Paula	Douglas	PPRC
					3:30 PM	0273--	Thermal Aging Of Crosslinked Ethylene-Vinyl Silane Copolymers	Roman	Cermak	Tomas Bata University in Zlin, Faculty of Technology
					4:00 PM	0483--	Thermal Analysis And Rheological Studies On Thermoplastic Urethanes	Lecon	Woo	L Woo Associates LLC
					4:30 PM	0875--	Thermal Behavior Of Degraded Polybutene-1	Lubomir	Benicek	Tomas Bata University in Zlin, Universite Blaise Pascal
186B	T37	Polymer Modifiers and Additives	Advances in Additives	Carlos Hinton, Toray Plastics	1:30 PM	0046--	Contribution Of Different Additives To The Yellowness Index Of Clarified Polypropylene	Ralph	Maier	Ciba Corporation
					2:00 PM	0929--	The Use Of Beta Nucleation To Improve The Impact Strength And Reduce The Warpage Of Polypropylene Caps & Closures	Philip	Jacoby	Mayzo Inc
					2:30 PM	0387--	Talc-Tpo Formulations For Low Temperature Impact Ductility	Saied	Kochesfahani	Rio Tinto Minerals
					3:00 PM	0346--	Thermoplastic Modification Using Poly-Functional Additives	Jeremy	Austin	Sartomer Co.
					3:30 PM	0871--	Poss Dispersants And Flow Aids For High Temperature Thermoplastics	Paul	Wheeler	Hybrid Plastics
					4:00 PM	0809--	Evaluation of different amine functionalized polyethylenes as compatibilizers for polyethylene nanocomposites	Saul	Valdes	CIQA
					4:30 PM	0379--	Polymer Modification With Specialty Hydrocarbon Fluids	Charlie	Lin	ExxonMobil Chemical
185D	T38	Process Monitoring & Control	Process Monitoring & Control	Russell Speight, Autodesk Australia Pty Ltd.	1:30 PM	0231--	Multivariate Robustness Measurement	David	Kazmer	UMass Lowell
					2:00 PM	0750--	On-Line Optical Monitoring Of Nanocomposite Compounding	Marion	McAfee	Queen's University of Belfast
					2:30 PM	0281--	Quality Control Of Polymer Products Through Spectral Imaging And Chemometrics Methods	Denis	Rodrigue	Laval University
					3:00 PM	0210--	In-Mold Shrinkage Monitoring Sensor For Injection Molding	Rahul	Panchal	University of Massachusetts, Lowell
					3:30 PM	1055--	Real-Time Monitoring Of Injection Moulding For Part Mass Determination	Mohammad	Umar	University of Bradford
					4:00 PM	0937--	Ultrasonic Diagnosis Of The Vibration Behavior Of Screws In A Single Screw Extruder	Zhigang	Sun	National Research Council Canada
					4:30 PM	0166--	Cost Savings Using Intelligent Process Optimization Software	Philipp	Liedl	Steinbeis Applied Systems Analysis GmbH
					5:00 PM	0815--	Advanced On-Line Gauging Solutions For Continuous Process Monitoring And Control	Tan	Srinivasan	Thermo Fisher Scientific
186A	T39	Rotational Molding	Rotomolding II	Nick Schott, University of Mass./Lowell	1:30 PM	Keynote--	The Locked Door to Industry Growth	Dru	Laws	
					2:30 PM	0169--	Pry Bars With Soft But Tough And Abrasion-Resistant Molded Tip Can Help Reduce Mold Damage During The De-Molding Process.	Yogesh	Vakharia	Consultant
					3:00 PM	0942--	The Effects Of Water Droplet Size And Velocity On Spray Cooling Of Polymers During Rotational Moulding	Swee Boon	Tan	Queen's University of Belfast
					3:30 PM	0012--	Extrusion-Assisted Direct-Foaming Rotational Molding Process	Kimberly	Christian	University of Ontario Institute of Technology
					4:00 PM	1058--	The Development Of Internal Water Cooling Techniques For The Rotational Moulding Process	Mark	McCourt	Queen's University of Belfast
					4:30 PM	Keynote--	Polyethylene Resin Innovations For Large Part Rotational Molding Applications	Anil	Saraf	LyondellBasell Industries

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
179B	T40	Thermoplastic Materials and Foams	Foam Applications	Wen Wu	1:30 PM		Outstanding Award Ceremony And Keynote			
					2:30 PM	0294-	Open-Cellled Thermoplastic Foam For Aqueous-Based Fluid Absorption	Raymond	Chu	University of Toronto
					3:00 PM	0089-	Porous Thermoplastic Composite Technology For Commercial Aircraft.	Sandra	Vos	Azdel, Inc.
					3:30 PM	0222-	Analysis And Fabrication Of Foam Dielectric Antenna Spacers	Jonathan	Colton	Georgia Institute of Technology
					4:00 PM	0520-	Effect Of Crosslinking On The Solubility Of N2 In Ethylene-Vinyl Acetate (EVA)	Nan	Chen	University of Toronto
INTERACTIVE										
Room	Session Number	Session Name			Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
187C	INT1	Composites Interactive Session			1:30 PM	0417-	AE Characteristics Of Short And Long Fiber Reinforced PP Injection Moldings	Tohru	Morii	Shonan Institute of Technology
						0204-	Study On Dispersibility Of Carbon Nanotubes In Chitosan Composites	Yeong-Tarng	Shieh	National University of Kaohsiung
						0497-	Nanocomposites Of Thermotropic Liquid Crystal Polymer With Carboxylated Multi-Wall Carbon Nanotube	Seong Hun	KIM	Hanyang University
						0936-	Fatigue Properties Of Jute Fabric Reinforced Sheet Molding Compound (SMC) Molding	Masanori	Okano	Kyoto Institute of Technology
						0101-	Structural Composites From Recycled Hdpe And Calcium Sulfite Crystallites	Vivak	Malhotra	Southern Illinois University
						0836-	High Performance Polymer Nanocomposite Blends Of PEI And PEEK	Pritesh	Patel	Zyvx Performance Materials
						0848-	Study Of The Morphology And Properties Of PP/Epoxy Blends	Jiang	Xueliang	School of Materials Science and Engineering
						0616-	Reinforcement Of Polypropylene Composite Systems: Effect Of Fillers And Compatibilizers.	Santanu	Dutta	Machino Polymers Limited
						0442-	Electrical Conductivity Of Melt Compounded Functionalized Graphene Sheets Filled Polyethylene Terephthalate Nanocomposites	Haobin	Zhang	Ningbo Institute of Material Technology & Engineering, Chinese Academy of Sciences
						0416-	Fracture Behavior Of Glass Fiber/Unsaturated Polyester Resin Laminate By Dual AE Transducer Monitoring System	Tohru	Morii	Shonan Institute of Technology
						0857-	The Role Of Grafting Degree In The Dispersion Of Guava-Like Silica/Polyacrylate Nanocomposite Particles Into Polyacrylate Matrix	Dongming	Qi	Zhejiang Sci-Tech University, Hangzhou, China
						0450-	Effect of OMMT Characteristics on Scratch Deformation Behavior of Polypropylene Ternary Nanocomposites	Seyed Ali	Monemian	University of Tehran
						0703-	Control Of Density And Modulus In Die Drawn PP Composites	Fin	Caton-Rose	University of Bradford
187C	INT2	Flexible Packaging Interactive Session			1:30 PM	0773-	Investigation of EVOH/Kaolinite Nanocomposite Films	Danielle	Froio	US Army NSRDEC
						0971-	Influence of Different Surface Treatments Over Resolution of Printed Silver Traces	Renato	Bonadiman	Nokia technology Institute
187C	INT3	Injection Molding Interactive Session			1:30 PM	0143-	Reducing Residual Stress of Polycarbonate Products by Heat Treatment	Yu Pin	Tsai	National Chiao Tung University
						0329-	Experimental and Numerical Analysis of the Flow Fronts Advancing in Micro Injection Molding Weld Line Developing Process	Lei	Xie	TU Clausthal
						0915-	Effects Of Processing Conditions On Part Moldability Of In-Mold Decoration Nylon6 Nanocomposites Molding	Pao-Lin	Su	Chung Chou Institute of Technology
						0414-	Interfacial Strength and Scratch Resistance of Metallocene PE Film Inserted PP Injection Molded Parts	Katushisa	Kitano	Sumitomo Chemical Co.
						0439-	Visualization study on the filling process of PS/Sc-CO2 during microcellular injection molding	Wang	JianKang	Zhuhai College of Jilin University
						0837-	Development of an Automated Runner-Valve System for the Filling Balance in Multi-Cavity Molds	Byung-Ohk	Rhee	Ajou University
						0533-	Production cycle time optimization and part quality improvement using novel cooling channels in plastic injection moulding	Abul	Saifullah	Swinburne University of Technology
						0625-	Compression Induced Solidification (CIS) – an injection molding strategy for high precision parts	Natalie	Rudolph	Lehrstuhl fuer Kunststofftechnik

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
						0356-	Simulation and Analysis of Injection Molded Bipolar Plates for Fuel Cell	Sheng-Jye	Hwang	National Cheng Kung University
						0869-	Effect Of Molding Parameters And Orientation On The Properties And Skin-Core Structure Of Polypropylene Plaques	Sobeida	Villarroel	Universidad Simon Bolivar
						0457-	Verification and Simulation of Melt Flow Behavior in Ultra High-Speed Injection Molding	Shia-Chung	Chen	Chung Yuan Christian University
						0525-	Study of Processing Parameters on Part Warpage of In-Mold Roller Injection Molding	Hui-Li	Chen	Far East University
						0458-	Application of Ultra High Speed Injection Molding to Secure Digital (SD) Card Housing	Hsin-Shu	Peng	Chung Yuan Christian University
						0910-	Research On Dynamic Injection Molding For Metal Powder Green Part	Bin	Liu	National Engineering Research Center of Novel Equipment for Polymer Processing; South China University of Technology
						0951-	Enzymatically and chemically modified abaca fibre for PP composites	Abdullah	Mamun	Material Engineering
						0970-	Flow Front Analysis Of TIR Lens Of LEDS With Injection Molding	Chao-Chang	Chen	National Taiwan University of Science and Technology
						1009-	Standard for Energy Rating with Resin Dryers and Classification of Dry Air Quality	Sonny	Morneault	Wittmann Battenfeld Inc.
						0933-	Enhanced Resin for Metal Insert Molding Applications	Nicolas	Sunderland	Bayer MaterialScience
						0979-	Improvement of impact properties of recycled Poly(ethylene terephthalate) (PET) injection moldings	Yuki	Makata	Kyoto Institute of Technology
						0583-	Development of rapid mold heating/cooling technology to improve the surface defects of injection molded parts	Baeg-Soon	Cha	Korea Institute of Industrial Technology
						0648-	Film Insert Injection Molding Technology For Automotive Plastic Part With Multi-Cavity Mold System	Sunghee	Lee	KITECH (Korea Institution of Industrial Technology)
187C	INT4	Plastic Pipe and Fittings Interactive Session			1:30 PM	0164-	Numerical simulation of the failure behavior of PE pressure pipes with additional loads	Gerald	Pinter	University Leoben
						0159-	Lifetime Prediction Of Polyethylene Pipes Based On An Accelerated Extrapolation Concept For Creep Crack Growth With Fatigue Tests On Cracked Round Bar Specimens	Andreas	Frank	Polymer Competence Center Leoben
187C	INT5	Polymer Modifiers and Additives Interactive Session			1:30 PM	0061-	Study on antiblocking masterbatches for LDPE plant	Shengxian	Cao	Daqing Petrochemical Research Center
						0808-	Anomalous Mechanical Anisotropy Of Beta-Form Polypropylene Obtained By T-Die Processing	Masayuki	Yamaguchi	Japan Advanced Institute of Science and Technology
						0674-	Conventional Processing and Rheology of Nanocomposites ABS/montmorillonite	Saul	Sanchez	Centro de Investigacion en Materiales Avanzados
						0125-	A New Mechanism For Flame Retarded, Non-Halogen Wire And Cable Compounds	Julie	Lin	JLS Chemical Inc.
						0870-	A Comparison Of Blown And Cast HDPE Film Using Expandable Microsphere Technology	Sarah	Schirmer	US Army NSRDEC
187C	INT6	Thermoforming Interactive Session			1:30 PM	0818-	Plug Material And Sheet Temperature Effect Over The Force Penetration Curves Under Biaxial Deformation	Rosa	Morales	Universidad Simon Bolivar
187C	INT7	Thermoplastic Materials and Foams Interactive Session			1:30 PM	0795-	The Effect Of Vibration On Cell Morphology Of PC Foam	Mingyi	Wang	South China University of Technology
187C	INT 8	Mold Making and Mold Design			1:30 PM	0026-	Advantages Of The Use of Removable Plates In Order To Improve The Functionality Of Standard Injection Molds	María	Candal	Universidad Simon Bolivar
						0868-	Design And Evaluation Of An Interbody Fusion Cage Mold	Vanessa	Picón	Universidad Simon Bolivar
WEDNESDAY June 24th										
Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
181B	W1	Alloys and Blends	Characterization of Performance Enhancement in Various Polymer Blends	Amit Kulkarni, SABIC Innovative Plastics	9:00 AM	0406-	Mechanical Properties Of Modified Starch Filled Poly(L-Lactic Acid)	Jiwen	Wang	Ningbo Institute of Material Technology and Engineering, Chinese Academy of Sciences

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					9:30 AM	0790-	Preparation And Properties Of Dynamically Cured Pp/Mah-G-Sebs/Epoxy Blend	Jiang	Xueliang	School of Materials Science and Engineering
					10:00 AM	0757-	Characterization Of Polyethylene Blends In Consideration Of Epe Foaming	Amir Hossein	Behravesh	Tarbiat Modares University
					10:30 AM	0005-	A Novel Miniature Mixing Device	Martin	Sentmanat	Xpansion Instruments
179A	W2	Plastics in Building and Construction joint with Thermoplastic Materials and Foams	Recent Foams Developments for Building and Construction		9:00 AM	0424-	Foaming Of Glass Fibre Reinforced Wood Plastic Composites	Ghaus	Rizvi	UOIT
					9:30 AM	0129-	Foaming Process And Damping Capacity Of Bell Structure	Minoru	Shimbo	Kanazawa Institute of Technology
					10:00 AM	0691-	Comparison Of Different Extrusion Foaming Techniques Using CO2 And Water As Co-Blowing Agents	Shu-Kai	Yeh	The Ohio State University
					10:30 AM	0472-	Ps Foams Blown From Hfc-134a/Hfc-32 Blends: Processing Behavior	Michel	Champagne	National Research Council Canada
					11:00 AM	0688-	Trends In Research On Polymer Foams	Holger	Ruckdaschel	BASF SE
180	W3	Composites	Composite Applications	Jim Griffing, Boeing - Material and Process Technology	9:00 AM	0146-	Use Of Composite Materials In A Hydrofoil On A High-Speed, Ultra Low-Wake Passenger Ferry	Nikki	Larson	WWU
					9:30 AM	1076-	Overview, Safe Work Practice, Quality Control And Application Of Fiber Reinforced Polymer (Frp) Strengthening Systems	Adam	Allan	Fibrwrap Construction Inc
					10:00 AM	0304-	Heat Transfer Studies On Epoxy Based Sandwich Structural Composites For Wind Blade	Zhi-Qi	Cai	The Ohio State University
					10:30 AM	0993-	Rapid Prototyping And Tooling Techniques For Pultrusion	Sandeep	Vennam	Institute for Advanced Learning and Research
					11:00 AM	0880-	Influence Of Polypyrrole On Electrical Conductivity Of Injection-Thermoplastic-Composite Bipolar Plates	Rungsima	Yeetsorn	University of Waterloo
					11:30 AM	0468-	Advanced Aerospace Composites Using An Aromatic Thermosetting Copolyester Matrix – Improved Thermal Fatigue	Zeba Farheen	Abdul Samad	University of Illinois at Urbana-Champaign
181A	W4	Composites	Nanocomposites - Other	Dale Grove, Johns Manville Technical Center	9:00 AM	0161-	Effect Of Carbon Nano Fibers On The Permeability Of Fiber Reinforced Polymeric Nanocomposites	Yunior	Hioe	The Ohio State University
					9:30 AM	0226-	Effect Of Alumina Nanoparticles On The Properties Of Low-Viscosity Cyanate Ester Adhesives For Composite Repair	Wilber	Lio	Iowa State University, Ames Laboratory
					10:00 AM	0357-	Bisphenol E Cyanate Ester Nanocomposites With Low Coefficient Of Thermal Expansion	Prashanth	Badrinarayanan	Iowa State University
					10:30 AM	0943-	Impact Resistance And Raman Characterization Of Al2O3/ZnO Poly(Methyl Methacrylate) Nanocomposites	Richard	Lehman	Rutgers University
					11:00 AM	1018-	Novel Methods Of Incorporating Nanoparticles Into Fiber Preforms	Dante	Guerra	The Ohio State University
					11:30 AM	0440-	Morphological/Physical Characteristics Of Melt-Spun Pet/Mwcnt Nanocomposite Fibers	Saeedeh	Mazinani	Ecole Polytechnique de Montreal
179B	W5	Decorating and Assembly	Decoration and Assembly	Paul Uglum, Delphi Electronics & Safety	9:30 AM	0992-	Infrastake - Energy Where You Need It, Not Where You Don't	Scott	Beute	Extol, Inc
					10:00 AM	0916-	Optical Coating Applications For Consumer And Industrial Polymer Displays	Dan	Fiore	North American Coating Laboratories
					10:30 AM	0135-	Beyond The Bling: Pvd/Coating Systems That Provide Novel Opportunities	Paul	Mills	Fusion UV Systems
					11:00 AM	0041-	Laser Welding Using Infrared Absorbing Films	William	Cawley	Gentex Corp.
					11:30 AM		Adhesion Promotion Using Flame Plasma Surface Treatment--A Viable & Green Alternative To Conventional Methods	Joseph	Digiacomio	Flynn Burenr Corp
178A	W6	Engineering Properties and Structure joint with Flexible Packaging	Flexible Packaging	Eric Moskala, Eastman Chemical; Jeffrey Gillmor, Kodak	9:00 AM	0336-	Structure And Properties Of Mdo Stretched Films Of A Random Co-Polypropylene And Linear Polypropylene Blend.	Abdellah	Aji	Ecole Polytechnique de Montreal
					9:30 AM	0840-	High-Performance-Tie-Layer Resins In Flexible Packaging Applications: Structure-Performance Relationships	Chun	Lee	LyondellBasell Industries
					10:00 AM	0348-	Effect Of Process Conditions On The Crystal Structure And Properties Of Polypropylene Cast Films	Seyed Hesamoddin	Tabatabaei	Ecole Polytechnique de Montreal
					10:30 AM	0337-	Effect Of Machine Direction Orientation Conditions On Structure And Properties Of Hdpe Films	Abdellah	Aji	Ecole Polytechnique de Montreal

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					11:00 AM	1037-	Processing And Structure-Property Relationships Of Mirel(tm) Poly (Hydroxy Butanoic Acid) Copolymer Blown Films	Rajendra	Krishnaswamy	Metabolix, Inc. (Telles)
					11:30 AM	0183-	The Effects Of Comonomer Distribution Profile On The Blown Film Properties Of Single Site Catalyzed Polyethylenes	Alan (XiaoChuan)	Wang	NOVA Chemicals
185A	W7	Extrusion	Extrusion Modeling	Joe Golba	9:00 AM	Modeling Tutorial 1	Modeling For Industrial Applications			
					9:30 AM	Modeling Tutorial 2	Modeling For Fundamental Understanding			
					10:00 AM	0640-	Estimation Of Temperature Increase In Zsk-90 Co-Rotating Twin-Screw Extruder Using Mesh Partitioning Technique	Mahesh	Gupta	Michigan Technological University, Plastic Flow, LLC
					10:30 AM	0556-	Calculation Of The Flow Into The Mixing Elements Of A Twin Screw Extruder Using A Full 3D Simulation Based On An Immersed Domain Method	Chantal	David	SC consultants
					11:00 AM	0565-	Modelling Of Coupling Between Specific Energy And Viscosity During Twin Screw Extrusion Of Starchy Products	Chantal	David	SC consultants
					11:30 AM	0039-	Rheological Performance Of Viscoelastic Polymeric Melts In Cylindrical Channels Of Extruders	Hossein	Hosseini	University of Tabriz
185BC	W8	Extrusion	New Extrusion Technology and Applications	Tim Womer	9:00 AM	Keynote	Polymer Processing Applied To New Application Areas	Costas	Gogos	New Jersey Institute of Technology
					9:30 AM	0392-	Review Paper: Processing Aspects Of Hot Melt Extrusion In Pharmaceutical Applications	Costas	Gogos	New Jersey Institute of Technology
					10:00 AM	0049-	Prediction Of Mass Transport Of Solvent / Polymer Systems In High Volume Kneader Reactors At Finite Solvent Concentrations	Daniel	Witte	LIST AG
					10:30 AM	0894-	Koax-S-Truder – A New Flexible And High Efficient Plasticizing Concept	Marcel	Grossmann	University of Duisburg-Essen
					11:00 AM	0957-	Effect Of Layer Sequencing On The Interfacial Stability Of Coextruded Multilayered Films Incorporating Ballistic Resistant Materials	Wade	DePolo	Institute for Advanced Learning and Research
					11:30 AM	0516-	Experimental Analysis Of The Underwater Pelletizing System For Producing Pellets	Kun-Chang	Lin	Far East University
181C	W9	Failure Analysis and Prevention	Plastic Failure Analysis 2	Todd Menna, Packer Engineering	9:00 AM	0007-	Using Melt Flow Index To Characterize Some Rheological Properties Of Polyethylenes And Polypropylenes. A Sequel	Rabeh	Elleithy	King Saud University
					9:30 AM	0366-	Stress Analysis Of 2-D And 3-D Pin-Joined Composite Laminate Plates Using Radial Basis Functions Method	Rodrigo	Orozco	University of Wisconsin-Madison
					10:00 AM	0798-	Failure Analysis Of A Plastic Slide Valve Assembly	AHAMED	SHABEER	Bodycote Testing Group
					10:30 AM	0919-	Effect Of Annealing On Failure Behavior Of A Transparent Nylon Under High Speed Impact	John	Song	US Army Natick RDEC
					11:00 AM	0147-	Designing For Diverse Loading Conditions And Predictable Failure In A Composite Hydrofoil	Nikki	Larson	WWU
184A	W10	Injection Molding	Computer Simulation II	Jason Williams, Penn State Erie, The Behrend College	9:00 AM	0114-	A Study Of Thermally And Flow Induced Residual Stresses In Injection Molding	Chao-Tsai	Huang	CoreTech System (Moldex3D) Co., Ltd
					9:30 AM	0532-	Warpage Management Using Three-Dimensional Thickness Control Method In Injection Molding	Chao-Tsai	Huang	CoreTech System (Moldex3D) Co., Ltd
					10:00 AM	0827-	CAE Simulation And Experimental Investigation On Warp Of An Injection Moded Part	Shijun	Ni	Lexmark International Inc.
					10:30 AM	0634-	Evaluation Of Gate Geometry And Processing Variables Effects On Gate Freezing Time By CFD Method	Milad	Mehranpour	Azad University Science and Research branch
					11:00 AM	0847-	A Quantitative Comparison And Validation Of Computer Aided Engineering Softwares (CAE) Simulating The Injection Molding Process	Brendan	Zarechian	UMass Lowell
					11:30 AM	0898-	Modelling The Non-Linear Viscoelastic And Locally Distributed Material Behaviour Of Semi-Crystalline Thermoplastics	Markus	Brinkmann	Institute of Plastics Processing at RWTH Aachen University (IKV)
184BC	W11	Injection Molding	Clean Room Molding and Injection Screw Considerations	Pat Gorton, Energizer	9:00 AM	Keynote	Characterizing The Clean Room Compatibility Of Medical Injection Molding Machines	Mark	Bolton	
					9:30 AM	0963-	Electrification Of Hot Runner Systems For Cleanroom Environments	Denis	Babin	Mold-Masters Limited
					10:00 AM	0816-	Elimination Of Defects From Injection Molded Polystyrene Parts Via Screw Modifications	Mark	Spalding	The Dow Chemical Company

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					10:30 AM	0787-	The Effect Of Screw Design On The Quality Of Injection Molding Products	Samuel	Kenig	Shenkar College
					11:00 AM	0788-	An Evaluation Of Different Injection Molding Screw Designs And Their Effect On Mixing Quality Using An In-Line Melt Camera (I.M.C)	Luke	Miller	Xaloy
					11:30 AM	0885-	Simulation Of Screws For Injection Molding	Jiri	Vicek	Compuplast Intl., Inc.
184D	W12	Injection Molding	Mold Temperature Control	Lih-Sheng Turng, University of Wisconsin - Madison	9:00 AM	0906-	Investigation Of Laser-Assisted Moulding Of Micro-And Nanostructures	Fritz	Klaiber	Institute of Plastics Processing at RWTH Aachen University (IKV)
					9:30 AM	0534-	Establishment And Analyses Of Rapid Mold Surface Temperature Control Using Gas-Assisted Heating	Shia-Chung	Chen	Chung Yuan Christian University
					10:00 AM	0257-	Thermal Feature Of Variotherm Mold In Injection Molding Processes	Yan-Chen	Chiu	CoreTech (Moldex3D) System Co., Ltd.
					10:30 AM	0548-	Improve Cooling Effect Of Injection Molding By Pulsed-Cooling Method	I-Sheng	Hsieh	CoreTech (Moldex3D) System Co., Ltd.
					11:00 AM	0162-	Predicting The Cycle Time In Injection Molding As A Function Of The Frozen Layer Thickness	Jose	Castro	The Ohio State University
					11:30 AM	0650-	Effect Of Copper Alloy Mold Tooling On Cycle Time And Product Quality	Adrian	Kelly	University of Bradford
185D	W13	Medical Plastics	Measurements, Manufacturing, Medical Plastics	Henk Blom, Baxter Healthcare	9:00 AM	0248-	Validation Of Crystallinity Measurements Of Medical Grade Peek Using Specular Reflectance FTIR-Microscopy	David	Jaekel	Drexel University
					9:30 AM	0950-	Non-Isothermal Crystallization Of Plla/Swcnt Composites	Jose-Ramon	Sarasua	University of the Basque Country
					10:00 AM	0500-	A New Flexible Manufacturing Process For Tailoring Release Rates In Controlled Release Drug Delivery Systems	David	Zumbrunnen	Clemson University
					10:30 AM	0974-	Simulation Driven Medical Package Development	Hossam	Metwally	ANSYS Inc.
					11:00 AM	1030-	Using Correlation Technology To Demonstrate Compliance With The FDA's ISO 13485 And ISO 14971	Steve	Tuszynski	Algoryx, Inc.
					11:30 AM		MPD Business Meeting			
					12:00 PM		MPD Technical Meeting			
187A	W14	Mold Making and Mold Design	New Advances in Moldmaking		9:00 AM	Tutorial	New Mold/Tool Steel-Beyond P20---How to increase Productivity and Profits from the Toolmaker to the Molder	Mike	Buckley	International Mold Steel, Inc.
					9:30 AM	0296-	Increase Profits Through Simplified Mold Designs Using Collapsing Cores	Alan	Hickok	Progressive Components
					10:00 AM	0106-	Uniform Mold Cavity Venting Is Far More Critical To Balance Fill Of Multi-Cavity Molds Than Any Other Single Item	Terry	Schwenk	Process & Design Technologies LLC.
					10:30 AM	0109-	New Patented Device For Checking Injection Mold Vents	Terry	Schwenk	Process & Design Technologies LLC.
					11:00 AM	1017-	Improving Mold Designs With Corrective Action Analyses	Steven	Johnson	ToolingDocs LLC
					11:30 AM	1031-	Take Press Settings Out Of Mold-Making	Steve	Tuszynski	Algoryx, Inc.
186C	W15	Nano/Micromolding	Process Control and Monitoring in Nano/Micro Injection Molding		9:00 AM	0062-	Ultrasonic Monitoring Of Micromoulding	Elaine	Brown	University of Bradford
					9:30 AM	0057-	High Speed Thermal Imaging Of Micromoulding	Robert	Spares	University of Bradford
					10:00 AM	0055-	An Inline Measurement System For Micro-Features And Structured Surfaces.	Ben	Whiteside	University of Bradford
					10:30 AM	0066-	Detailed Characterisation Of Micromoulded Products	Tim	Gough	University of Bradford
					11:00 AM	0591-	Process Validation Of The Injection Molding Of Polymer Microfluidic Systems	Guido	Tosello	Technical University of Denmark
					11:30 AM	0519-	The Effects of Metal Particle size and Distributions on Dimensional Accuracy for Micro Parts in Micro Metal Injection Molding	Kenji	Okubo	Taisei-kogyo Co., Ltd
182	W16	Plastics Educators	Plastics Educators	Prof. Stephen Driscoll, UMASS Lowell	9:00 AM	0355-	New Thermal Analysis Software Is Intuitive And Easy To Use In An Academic Setting.	Andrew	Salamon	PerkinElmer
					9:30 AM	0704-	Teaching Mold Design: From Concept To Creation	Stephen	Johnston	Univ. Mass. Lowell
					10:00 AM	0137-	Rebuilding A Plastic Engineering Career In Your Fourth Decade	James	Gavin	GF Consulting, LLC
182					10:30 AM		Plastics Educators SIG Annual Meeting			
178B	W17	Plastics Environmental	Environmental Plastics, Advances in Polymer Processing and Recycling of Polymers		9:00 AM	0398-	Investigation Of Processability Of Zein Based Plastics And Composites	Gowrishankar	Srinivasan	Iowa State University

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					9:30 AM	0035-	Characterization Of Virgin-Rpet Composites	Keith	Vorst	California Polytechnic State University
					10:00 AM	0829-	Measurement Of Released Airborne Particle Levels During Twin-Screw Compounding	Syed	Ashter	McMaster University
					10:30 AM	0991-	X-Ray Fluorescence Spectroscopy (Xrf) As A Public Health Screening Tool For The Presence Of Hazardous Chemicals In Plastics	Jeff	Gearhart	Ecology Center
					11:00 AM	0494-	Postconsumer Hdpe/Agave Fibre Composites Coated With Chitosan Used For Removal Of Heavy Metals	Vazquez	Milton	Universidad de Guadalajara
					11:30 AM	0998-	Mechanical Properties of Recycled Post-Consumer Product with Complex Construction	Mary Elizabeth	Moriarty	University Of Massachusetts - Lowell
					12:00 PM		Plastics Environmental Division Board Meeting			
186A	W18	Polymer Analysis	Nanotechnology II	Sanjiv Bhatt, Entegris Research Group	9:00 AM		Metrology For Carbon Nanotubes (Cnt) And Its Polymer Composites	Sanjiv	Bhatt	Entegris, Inc
					10:00 AM	0765-	Graphene/Polymer Nanocomposites	Christopher	Macosko	University of Minnesota
					11:00 AM	1001-	Flame Retardance Of Acrylonitrile Butadiene Styrene-Layer Double Hydroxide Nanocomposites	Sunny	Ogbomo	University of North Texas
					11:30 AM	0265-	Studies Of The Melting Behaviour Of Polypropylene Nanocomposites Using X-Ray Diffraction	Michael	Feuchter	University of Leoben
186B	W19	REACH Session			9:00 AM		This session will provide an overview of the food-law regulatory systems for the U.S., Europe, and Asia, including recent legislative developments in China. The similarities and differences of the systems will be addressed, as will current issues involving plastics and plastic products.			
181B	W20	Alloys and Blends	Compatibilization, morphology development and characterization of polymer blends	Srinivas Sripurapu, SABIC Innovative Plastics	1:30 PM	0695-	Effect Of Organically Modified Montmorillonite On Morphology And Rheology Of Ps/Pmma Blends.	Mai	Ha	University of Houston
					2:00 PM	0170-	Why Gradient Copolymers Make Better Compatibilizers Of Immiscible Polymer Blends Than Block Copolymers: Determining Critical Micelle Concentrations Of Copolymer In Homopolymer	Robert	Sandoval	Northwestern University
					2:30 PM	0567-	The Study Of Pc/Pmma Blend With Organically Modified Montmorillonite	Seung kyu	Lee	Sogang University
					3:00 PM	0953-	Effect Of Compatibilization On Crystallization Of Rpet/Rpp/CaCO3 Blend	Yew Wei	Leong	Kyoto Institute of Technology
					3:30 PM	0627-	Selective Localization And Migration Of Multiwalled Carbon Nanotubes In Blends Of Polycarbonate And Poly-Styrene-Acrylonitrile	Andreas	Goldel	Leibniz Institute of Polymer Research Dresden
					4:00 PM	0493-	Mechanical Properties Of Pcl/Tps Blown Films	Ramirez-Arreola	Danie	Universidad de Guadalajara
					4:30 PM	0390-	Enhanced Copolymerization Of Pen/Pet Blends During Ultrasonically-Aided Extrusion	Kaan	Gunes	The University of Akron
181A	W22	Composites	Natural Composites	Klaus F. Gleich, Johns Manville Technical Center	1:30 PM	0384-	Green Composites from a Conjugated Soybean Oil Resin Using Corn Stover as a Natural Fiber Reinforcement	Daniel	Pfister	Iowa State University
					2:00 PM	0100-	Effects Of Hannebachite Additive On The Mechanical Behavior Of Phenolic-Natural Fiber Composites	Vivak	Malhotra	Southern Illinois University
					2:30 PM	0374-	Studies On The Use Of Polybutene As A Matrix For Wood Plastic Composite	Laurent	Matuana	Michigan State University
					3:00 PM	0580-	The Influence Of Moisture Content On The Mechanical Properties Of Wood And Natural Fibre Reinforced Composites	Christoph	Burgstaller	TCKT - Transfercenter for Plastics Technology
					3:30 PM	0913-	Modification And Characterizations Of Cellulose Microfibril By Atom Transfer Radical Polymerization For Biocomposites	Huining	Xiao	University of New Brunswick
					4:00 PM	0923-	Processing And Mechanical Properties Of Jute Fabric Reinforced SMC Moldings	Masanori	Okano	Kyoto Institute of Technology
					4:30 PM	0925-	Durability Of Natural Fiber Sheet Molding Compound (Eco-SMC)	Makoto	Sarata	Advanced Software Technology & Mechatronics Research Institute of Kyoto
179B	W23	Decorating and Assembly	Decorating and Assembly	Rory Wolf, Enercon Industries Corporation	1:30 PM	0341-	Considerations For Producing High Quality Plated Plastic Components	Mike	Barnstead	MacDermid
					2:00 PM	0044-	Surface Modification Of Inks, Coatings And Adhesives – The Interfacial Effects	Rory	Wolf	Enercon Industries Corporation
					2:30 PM	0181-	Join The Jet Set — Developments In The Use Of Uv Ink Jet For Industrial Decorating	Matthew	Ellison	Hexion Specialty Chemicals

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					3:00 PM	1023-	Impact Of Flexible Automation On In-Mold Labeling	Anna	Liberg	ABB
					3:30 PM	0144-	Innovative Pvd Technology - Sustainable Metallization Processing With Advanced Functionalities For Plastic Surfaces	Ruediger	Schaefer	Hartec Anlagenbau GmbH
179B					4:00 PM		Decorating And Assembly Division Board Meeting			
179A	W24	Engineering Properties and Structure	Crystalline Polymers	Jingshen Wu, Hong Kong University of Science and Technology; Robert Li, City University of Hong Kong	1:30 PM	Keynote	Chemical Reinforcement Of High Performance Polymers For Armor Applications	Duane	Simonson	Naval Research Laboratory
					2:30 PM	0874-	Hyperelastic Modeling Of Enhanced Mechanical Properties Of Electrospun Poly(ϵ -Caprolactone) Fibers	Xiaofan	Wei	University of Akron
					3:00 PM	0835-	Effects Of Property Modifiers On The Degradation Characteristics Of Poly(lactic Acid)	Marino	Xanthos	NJ Institute of Technology
					3:30 PM	0864-	Study Of Take-Up Velocity In Enhancing Tensile Properties Of Aligned Electrospun Nylon 6 Fibers	Shing-Chung	Wong	University of Akron
					4:00 PM	0671-	A Study Of Crystallization Kinetics Of Poly(3-Hydroxybutyrate-Co-3-Hydroxyvalerate)/Zn-Al Layered Double Hydroxide (Ldh) Stearate Nanocomposites	Koffi	Dagnon	University of North Texas
					4:30 PM	0593-	Recrystallization Of Polypropylene Homo- And Impact Copolymer From The Non-Crystalline Mesomorphic To The Crystalline Phase	Ralf	Kleppinger	DSM Research
					5:00 PM	0676-	A Study Of Mechanical Properties Of Polyhydroxyalkonates (Phas) Coated On Kraft Paper	Sandeep	Manandhar	University of North Texas
					5:30 PM	0751-	Enhancing The Gas Barrier Properties Of Poly(lactic Acid) By Means Of Electrospun Ultrathin Zein Fibers	Jose	Lagaron	IATA-CSIC
185A	W25	Engineering Properties and Structure joint with Alloys and Blends	Engineering Properties and Structure joint with Alloys and Blends		1:30 PM	0495-	Mechanical Properties Of Injection Molded Pcl/Tps Nanocomposite Blends	Ruben	Gonzalez-Nunez	Universidad de Guadalajara
					2:00 PM	0921-	Elastic Recovery Behavior Of Three Layer Film Structures Comprised Of Tpo And Various Ethylene Copolymers	Christopher	Shelley	LyondellBasell
					2:30 PM	0383-	Impact Modified High Modulus Pc/Abs Blends: Automotive And Non-Automotive Applications	Amit	Kulkarni	SABIC Innovative Plastics
					3:00 PM	0611-	Crashworthiness Analysis Of Polypropylene Composite Used For Designing Automotive Bumpers	Abhijit	Baruah	Machino Polymers Limited
					3:30 PM	0479-	The Morphology And Mechanical Properties Of Tpu/Pp Tpe From Extruded And Injection-Molded Samples	Costas	Tzoganakis	University of Waterloo
					4:00 PM	0388-	Ultrasonically-Aided Extrusion Of Pen/Lcp Blends	Kaan	Gunes	The University of Akron
					4:30 PM	1024-	A Thermally Mendable Bricks And Mortar Thermoplastic/Thermoset Blend	Patrick	Mather	Syracuse University
178A	W26	Engineering Properties and Structure joint with Flexible Packaging	Flexible Packaging II	Wayne Moras, Pactiv; Paul Zervas, Kraft	1:30 PM	0197-	The Relationship Between Tubular Low-Density Polyethylene (Ldpe) Blown-Film Optics And Molecular Structure	Mehmet	Demirors	Dow
					2:00 PM	0854-	Imparting Permanent Antistat Properties To Multilayer Films	David	Walsh	DuPont
					2:30 PM	0964-	Effect Of Heat Sealing Pressure On Properties Of Heat-Sealed Oriented Polypropylene/Cast Polypropylene (Opp/Cpp) Film	Kazushi	Yamada	Kyoto Institute of Technology
					3:00 PM	0966-	Mechanical Properties Of Heat-Sealed Part In Environment-Friendly Film	Kazushi	Yamada	Kyoto Institute of Technology
					3:30 PM	0230-	Abrasion Testing Of Packaging Films	Alan	Jaenecke	Taber Industries
					4:00 PM	0187-	Investigation On The Tear Property Of Polyethylene Blown Films At Variable Angles	Byoung-Ho	Choi	Korea University
					4:30 PM	0955-	Effect Of Hairline Crack On The Toughness Of Polyethylene Terephthalate	Yew Wei	Leong	Kyoto Institute of Technology
184D	W27	Engineering Properties and Structure	Polymer Analysis	Luyi Sun, Total Petrochemicals; Richard Bopp, NatureWorks	1:30 PM	0922-	Improvement Of The Mechanical Properties Of Thermoplastic Foams Through Modification Of The Foam Structure	Laura	Florez	Institute of Plastics Processing at RWTH Aachen University (IKV)
					2:00 PM	0858-	New Perspective On Heat Deflection Temperature Of Glassy Polycarbonate	XY	Li	Bayer MaterialScience
					2:30 PM	0531-	The Generation Of The Ptfе Porous Structure Induced By Uniaxial Stretching Process With Asymmetric Heating Operation	Ping	Hsu	Chung Yuan Christian University, Chung Yuan Christian University

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
					3:00 PM	0644-	Effect Of Triacetyl Cellulose Film Surface Hydration On The Adhesion Strength To Polyvinyl Alcohol (Pva) Film	Ho-Jong	Kang	Dankook University
					3:30 PM	0412-	Flammability Of Fr-Pp Based Sandwich Injection Moldings	Makoto	Seino	Calp Corporation
					4:00 PM	0747-	Determination Of Pvt Property Of Asymmetric Ps/CO2 Drop At High Temperature And Pressure	Yao Gai	Li	University of Toronto
					4:30 PM	0245-	Dimensionless Durometry And ASTM D2240	Adam	Mix	University of Wisconsin-Madison
184A	W28	Injection Molding	Material Properties	Erik Foltz, The Madison Group	1:30 PM	0641-	Influence Of Injection Molding Parameters On The Electrical Resistivity Of Polycarbonate Filled With Multi-Walled Carbon Nanotubes	Tobias	Villmow	Leibniz Institute of Polymer Research Dresden
					2:00 PM	0977-	Determination Of Material Property Changes Due To Combining Flow Fronts	Brian	Young	Penn State Behrend
					2:30 PM	0628-	Morphology Development Of Polypropylene/Polyamide 6 Blend Molded By Water-Assisted Injection Molding	Han-Xiong	Huang	South China University of Technology
					3:00 PM	0456-	Effect Of Processing Conditions On Mechanical Properties Of Ultra High Speed Injection Molded Abs Parts	Hsin-Shu	Peng	Far East University
					3:30 PM	0102-	Dynamic Property Of The Frozen-Layer And Its Effects On Warpage In Injection Molded Parts	Yuing	Chang	LiteOn Technology Co., Ltd.
					4:00 PM	0770-	Evaluation Of Molecular Orientation Of Weldline By Polarized Laser-Raman Spectroscopy	Koji	Yamada	OMTRI
					4:30 PM	0480-	Influence Of Mechanically Blended Investment Casting Wax Formulations On Quality Of Injection Moulded Parts	Oludolapo	Shobanjo	University of Birmingham, Rolls Royce Plc
184BC	W29	Injection Molding	Process Control II	Mike Yurkewicz, The Plastics Technology Center	1:30 PM	0789-	A Nonlinear Model-Based Predictive Controller For Injection Speed	Ma'moun	Abu-Ayyad	Penn State University
					2:00 PM	1011-	Improved Fault Detection Approach For Injection Molding	Dan	Hazen	MKS Instruments
					2:30 PM	0229-	Efficacy Of Saturated Design Of Experiments In Multivariate Process Characterization	David	Kazmer	UMass Lowell
					3:00 PM	0948-	Part Weight Control Via Model Free Optimization For Injection Molding	Xiang	Kong	System engineering
					3:30 PM	0467-	Study On Packing Effects On The Part Shrinkage Molded By External Gas-Assisted Injection Molding Process	Shia-Chung	Chen	Chung Yuan Christian University
					4:00 PM	0892-	Iterative Learning Control Of Mold-Open Position In Injection Molding	MO	Shengyong	Hong Kong University of Science and Technology
185D	W30	Medical Plastics	Development of Materials for Medical Applications	Robert Braido, Visionary Consulting LLC	1:30 PM	0909-	Development Of An Active Agent Carrying, Biodegradable Implant For The Intravesical Therapy Of The Overactive Bladder Syndrome	Ina	Michaelis	Institute of Plastics Processing at RWTH Aachen University (IKV)
					2:00 PM	0956-	Improving The Compatibility Of Poly(E-Caprolactone)/Poly(Vinyl Alcohol) Blends	E.	Meaurio	University of the Basque Country
					2:30 PM	0058-	Nonwoven Pet Fiber Structures For Vascular Grafts Applications	Martin	Bureau	National Research Council Canada
					3:00 PM	0320-	Radiation Sterilization Of Polycarbonate-Polyester-carbonate Copolymers	Jon	Malinoski	SABIC Innovative Plastics
					3:30 PM	0237-	Bio-Functional Characterization Of Electrospun Silk Models	Scott	Wharram	University of Massachusetts Lowell
					4:00 PM	0060-	Ha-Coated Carbon Fiber Composite For Hip Replacement With Improved Osseointegration	Martin	Bureau	National Research Council Canada
					4:30 PM	0473-	Soft Polyurethane Foams As Cartilage Replacement: Processing Behavior And Biocompatibility	Michel	Champagne	National Research Council Canada
187A	W31	Mold Making and Mold Design	Innovations in Hot Runner Technology		1:30 PM	0132-	Study on the In-Mold Punching of the Thermoplastic Injection Molding	Yu Pin	Tsai	National Chiao Tung University
					2:00 PM	0523-	Plate Actuated Hot Runner Valve Gates For Improved Part Quality And Molding Process Consistency	Martin	Baumann	Husky Injection Molding Systems, Inc.
					2:30 PM		Taking standard to a new level: Development of a New Mold Base Stainless Steel	Patricia	Miller	Bohler-Uddeholm
					3:00 PM	1044-	Advancements In Stack Molding Technology	Martin	Baumann	Husky Injection Molding Systems, Inc
					3:30 PM	0988-	Opportunities For Improved Profitability In Pet Molding Using Advanced Hot Runner Technologies	Bruce	Catoen	Mold-Masters Limited
					4:00 PM	0615-	Optimization Of Hot Runner System Geometry For LGF Reinforced Thermoplastics	Alessandro	Cellere	University of Padova
187A					4:30 PM		Moldmaking & Mold Design Division Business Meeting			

Room	Session Number	Session Name	Session Title	Moderator	Presentation Start Time	Paper/Presentation Number	Presentation Title	Presenter First Name	Presenter Last Name	Presenter Affiliation
186C	W32	Nano/Micromolding	Applications for Nano/Micro Molding		1:30 PM	0686-	Integration In Design And Manufacturing Of Moulded Polymer Micro Devices	Pieter	Bolt	TNO Science & Industry
					2:00 PM	0812-	Two Component Micro Injection Molding For Mid Fabrication	Aminul	Islam	Technical University of Denmark
					2:30 PM	1027-	New Process Chains For Replicating Micro And Nano Structured Surfaces With Bio-Mimetic Applications	Steffen	Scholz	Cardiff University
					3:00 PM	0762-	The Injection Molding Of Nanostructured Polystyrene Templates To Investigate The Control Of Mesenchymal Cell Differentiation	John	Coulter	Lehigh University
					3:30 PM	0716-	The Effect Of Residual Stresses On Protein G Adhesion	Nicholas	George	University of Massachusetts Lowell
					4:00 PM	0566-	Development Of Plastic Dental Brackets By Microinjection: Mechanical And Reological Simulation, Prototypes Production By Micromilling And Production By Microinjection	Sabino	Azcarate	Tekniker
					4:30 PM	0466-	Three-Dimensional Nano Imprint Lithography Using Photo-Curable Resin.	Jun	Taniguchi	Tokyo University of Science
176	W33	New Technology Forum	Funding New Technologies: Insights from VCs, Institutional Investors, and Investment Funds		1:30 PM	Panel Discussion	Is your company looking to raise money in 2009 or beyond? Are you curious about the trends venture capitalists and other institutional investors see for the plastics and polymer industry? What companies are getting funded and why are they raising funds? How can you position your business for a successful fundraising campaign? The New Technology Forum will host a panel of venture capitalists, institutional investors, and investment managers to talk about trends in funding technology companies. Understand the process for fundraising, hot industries or sectors, and how to target funding sources. The panel will also provide time for questions and answers, and the opportunity to network with the panelists. Better understand the market and improve your chances to raise funds in 2009.			
186A	W34	Polymer Analysis	Application Driven Polymer Analysis II	Harrison Yu, Thermofisher Scientific	1:30 PM		Time Evolution Of Interface Shape In Cocontinuous Blends Studied By 3D Image Analysis	Christopher	Macosko	University of Minnesota
					2:30 PM	0179-	Dsc Fast Cooling Rates And Improved Precision Temperature Control Enable Precise Isothermal Crystallization Studies	Andrew	Salamon	PerkinElmer
					3:00 PM	0689-	Thermal And Mechanical Properties Of Novel Photo Crosslinkable Polymeric Networks Based On Unsaturated Polyesters	Nima	Mohtaram	Iran Polymer and Petrochemical Institute
					3:30 PM	0126-	Plastic Formula Confirmation Through Analytical Chemistry	G. Fred	Willard	CAS-MI Laboratories
					4:00 PM	0334-	Anisotropic Thermal Conduction In Polymers Subjected To Uniaxial Elongations	David	Venerus	Illinois Institute of Technology
186B	W35	Polymer Analysis	Application Driven Polymer Analysis III	Harrison Yu, Thermofisher Scientific	1:30 PM		Polymer Electrolyte Membranes For Fuel Cell Applications: Challenges And Opportunities	Vijay	Ramani	Illinois Institute of Technology
					2:30 PM	0517-	Applications Of Combined Tga And Gc/MS To Polymers And Polymer Additives	Kevin	Menard	PerkinElmer LAS
					3:30 PM	0985-	Improvement Of Intrinsic Viscosity Of Recycled Pet By Radio Frequency Heating	Minoru	Ogasahara	Kyoto Institute of Technology, Itswa Co. Ltd.
					4:00 PM	0145-	Diluent Effect Of The Poly(Ethylene-Alt-Propylene) Block Upon The Polyethylene Block Thermal Fractionation Of Pe-Block-Pep Diblock Copolymers	Arnaldo	Lorenzo	Universidad Simón Bolívar
					4:30 PM	0150-	Thermal Fractionation By SSA As An Approach For The Identification Of Binary Pe Blends	Johan	Sanchez	Universidad Simon Bolivar
					5:00 PM	0159-	Lifetime Prediction Of Polyethylene Pipes Based On An Accelerated Extrapolation Concept For Creep Crack Growth With Fatigue Tests On Cracked Round Bar Specimens	Andreas	Frank	Polymer Competence Center Leoben
181C	W36	Radiation Processing of Polymers	Radiation Processing of Polymers	David Kerluke, Sterigenics Advanced Applications	1:30 PM		Industrial Electron Beam Processing - Equipment	Marshall R.	Cieland	IBA Industrial, Inc.,
					2:30 PM	Keynote	Industrial Electron Beam Processing Of Polymers	Anthony	Berejka	Lonicorp
					3:30 PM	Keynote	Application Of Electron Beam Irradiation To Reduce Time-Dependent Creep Properties Of High Density Polyethylene	Bill	Crilley	E-BEAM Services, Inc.

<u>Room</u>	<u>Session Number</u>	<u>Session Name</u>	<u>Session Title</u>	<u>Moderator</u>	<u>Presentation Start Time</u>	<u>Paper/Presentation Number</u>	<u>Presentation Title</u>	<u>Presenter First Name</u>	<u>Presenter Last Name</u>	<u>Presenter Affiliation</u>
					4:00 PM	0833-	Dual-Cure Low-Temperature And Electron Beam-Curable Resins	William	Griffith	Oak Ridge National Laboratory
187B	W37	Thermoset	Thermoset	Scott Trail, Hull Industries	1:30 PM	0251-	Effect Of Carbon Nanofibers On The Reaction Kinetics Of Wind Blade Vinyl Ester System	Siva	Movva	The Ohio State University
					2:00 PM	0386-	Photoinitiators For Uv Led Curing Of Acrylate Thin Films	Yong	Lu	New Jersey Institute Of Technology
					2:30 PM	0504-	Use Of UV-DSC And DMA To Study The Photocuring Of Materials	Kevin	Menard	Perkin Elmer Las
					3:00 PM	0014-	Morphological And Mechanical Characteristics Of Rigid Polyurethane Foams	Nora Catalina	Restrepo Zapata	Universidad Eafit
					3:30 PM	0582-	Cure Kinetics Of Thermoset Based Mortars For Bonded Anchors In Civil Engineering	Gerrit	Hülder	University Of Erlangen-Nuremberg
					4:00 PM	1020-	Effect Of Sonication On Properties Of Nanoclay And Vinyl Ester Nanocomposites	Xue	Sha	Pittsburg State University