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Plenary lecture (PL): 45min including 5min Q/A	Keynote presentation (KN): 30 min including 5min Q/A
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Oral presentaion (OP):
20min including 5min Q/A

Monday, July 25, 2016

10:00am-05:00 pm	Committee Executive Meeting - (Only for PPS EC Members and international representatives, Room: Rhone 3, Lyon Conference Center- 50 Quai Charles de Gaulle, 69463 Lyon)
05:00pm-07:00 pm	Registration- Lyon Conference Center- 50 Quai Charles de Gaulle, 69463 Lyon
06:00pm-08:30pm	Welcoming reception : Hall of Lyon conference Center

Tuesday, July 26, 2016

07:45am-08:40 am	Registration
08:40-9:10 am	Opening Ceremony - Auditorium Lumière
	Chair : Sati Bhattacharya
09:15-10:00 am	Plenary Lecture 1: Structure development in Polymer Nanocomposites: From basic understanding to additive manufacturing, Mosto Bousmina (Euro-Mediterranean University of Fes, Morocco)- Room: Auditorium Lumière
10:00-10:45 am	Plenary Lecture 2: Industrial Applications and Needs for Aeronautic and Space Applications, Brigitte Defoort (Airbus Defence and Space, France)- Room: Auditorium Lumière
10:45-11:00 am	Coffee Break. Room: Exhibit and poster Hall-Forum 2

	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9	Session 10
Room	Rhone 1	Rhone 2	Rhone 4	Rhone 3a	Rhone 3b	Auditorium Pasteur	St Clair 1	St Clair 2	St Clair 3a	St Clair 4
11:00am: 12:50 pm	Fibers, Films, and Membranes	Polymer Blends and Alloys	Extrusion and Extrusion Processes	Nanocomposites and filled Polymers (1)	Nanocomposites and filled Polymers (2)	Biopolymers and polymers for renewable ressources	Rheology and Rheometry	Process Modelling and simulation	Reactive Processing	Special S: Biobased Plastics for materials and renewable Energy- Sponsored by NSF-PIRE
Chair	Musa Kamal	Paula Moldenaers	Jose Covas	Jana Sadhan	M. Cengiz Altan	Michel Huneault	Dimitris Vlassopoulos	Suresh Advani	Guo-Hua Hu	Ica Manas-Zloczower

11:00-11:30 am	KN-S12-751 Surface Modified Filter Media from Melt Blown Nanofibers Macosko Chris- USA	KN-S04-307 Transformation of Homocrystallite/Stereocomplex Crystallite of PLLA/PDLA Blended Filament during the Heating Process Ko Huan-Chieh, Shyr Tien-Wei - Taiwan	KN-S03-98 40 Years Of Vibration Assisted Polymer Processing: Understanding Polymer Physics as a Source of Innovations IBAR Jean Pierre- Spain	KN-S02-34 Polymer carbon nanotube composites for thermoelectric applications Pötschke Petra, Luo Jinji, Krause Beate - Germany	KN-S02-172 Optimization and Modelling of Delignification Process for Nanocrystalline Cellulose Production from Rice Husk Biomass Islam Sakinul, Kao Nhol, Bhattacharya Sati N, Gupta Rahul K - Australia	KN-S06-50 Kenaf Fiber Reinforced Biocomposites with Control Release Properties for Mulch Film Application Ching Yern Chee - Malaysia	KN-S10-21 Low-Field RheoNMR: Newly Developed Combination of Rheology and Time Domain (TD)-NMR to Correlate Mechanical Properties with Molecular Dynamics in Polymer Melts Räntzsch Volker, Özen Müriüvvet Begüm, Rätzsch Karl-Friedrich, Guthausen Gisela, Wilhelm Manfred - Germany	KN-S07-18 Extrudate Swell Of A High-Density Polyethylene Melt: Modeling Using Integral And Differential Constitutive Equations Mitsoulis Evan, Konaganti Vinod Kumar, Hatzikiriakos Savvas G.- Greece-Canada	KN-S09-6 InnoREX – European project reveals impact of microwave and ultrasound energy on polymerisation of PLA via reactive extrusion Bergmann Bjoern, Diemert Jan - Germany	KN-S20-124 Unusual crystal phase in linear aliphatic polyesters Tadjiev T, Ungar Goran- UK
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11:30-11:50 am	<p>OP-S12-7 Co-axial electrospinning of sheath-core structured chitosan/poly(lactide) nanofibers for the filtration of metal ions <u>Lee Demei, Huang Tzu-Wei, Liu Shih-Jung</u> - Taiwan</p>	<p>OP-S04-5 Blends Based on Ethylene Vinyl Acetate (EVA) and Thermoplastic Polyurethane (TPU): Exploring the Influence of Electron Beam Irradiation on Performance Properties <u>Dutta Joyeeta, Chatterjee Tuhin, Naskar Kinsuk</u> - India</p>	<p>OP-S03-55 Development of a method for a realistically and reproducible contamination of polymer melt filters. <u>Meilwes Peter, Schöppner Volker</u> - Germany</p>	<p>OP-S02-58 Carbon Nanotube- and Graphene Nanoplatelet-added PVDF/PMMA Blend-based Nanocomposites <u>Chiu Fang-Chyou, Chen Ying-Jing, Yeh Shih-Chang</u> - Taiwan</p>	<p>OP-S02-62 The Effect of 3-aminopropyltriethoxysilane on rheological and mechanical properties of polyamide 11/clay nanocomposites <u>El Mabrouk Khalil, Risite Heriarivelo, Bousmina Mostapha, Fassi-Fehri Omar</u> - Morocco</p>	<p>OP-S06-54 An Investigation between High and Low Pressure Processes for Nanocrystalline Cellulose Production from Agro-waste Biomass <u>Kao Nhol, Islam Sakinul Md., Bhattacharya Sati N., Gupta Rahul K</u> - Australia</p>	<p>OP-S10-29 Measuring the Effects of Filler Variations on Compound Viscoelastic Properties as Measured by the Capillary Rheometer and the RPA <u>Dick John S.</u> - USA</p>	<p>OP-S07-59 Analysis of pellet diameter and inorganic filler influences on the polymer melting behavior in planetary roller extruders <u>Rudloff Johannes, Lang Marieluise, Kretschmer Karsten, Heidemeyer Peter, Bastian Martin, Koch Michael</u> - Germany</p>	<p>OP-S09-117 In-situ polymerization of epoxy based thermotropic liquid crystalline polymers by reactive extrusion and its liquid crystalline behaviors <u>Seo Yongsok</u> - Korea</p>	<p>OP-S20-756 Cell Viability Of Cnc And Pbat/Cnc Bionanocomposite <u>Bellani C. E., Morelli C. L., Ferrand A., Benkirane-Jessel N., Bretas R. E. S., Branciforti Marcia-Cristina</u> - Brazil</p>
11:50-12:10 pm	<p>OP-S12-14 Development of Improved Ultra Violet Light Resistance Multilayer Films <u>Silverwood Richard James, Tabatabaei Seyed Hesamoddin, Aji Abdellah</u> - Canada</p>	<p>OP-S04-13 Enhancement of Impact Strength at Ambient and Low Temperature for Polycarbonate-based Polymer Alloy without Reduction of Flexural Modulus <u>Saito Tomotaka, Hao Yan, Sumiya Nobuhiro, Moriyama Tomokazu</u> - Japan</p>	<p>OP-S03-162 Influence of Temperature on the Contact Angle of Polymer Melts on Tool Surfaces <u>Zitzenbacher Gernot, Längauer Manuel, Huang Zefeng</u> - Austria</p>	<p>OP-S02-377 Influence of Filler Dispersion and Interfacial Resistance on Thermal Conductivity of Polypropylene/Carbon Nanotubes Systems <u>Patti Antonella, Aciermo Domenico, Russo Pietro</u> - Italy</p>	<p>OP-S02-71 Fiber Length Reduction during Shearing in Polymer Processing <u>Moritzer Elmar, Heiderich Gilmar</u> - Germany</p>	<p>OP-S06-90 Pilot scale production of thermoplastic starch/bentonite nanocomposites and their blends with polystyrene. <u>Guarás María P., Torres Nicolini Andrés, Alvarez Vera A., Ludueña Leandro N.</u> - Argentina</p>	<p>OP-S10-77 Dynamic Heterogeneity of PMMA/PVDF Blends: Composition Dependence and Role of Interphase <u>Lu Bo, Lamnawar Khalid*, Maazouz Abderrahim</u> - France</p>	<p>OP-S07-67 Investigation of the influence of material and pellet shape on the dissipation in the solids conveying zone of single-screw extruders based on the Discrete Element Method (DEM) <u>Trippe Jan, Frauke Reinders, Schöppner Volker</u> - Germany</p>	<p>OP-S09-601 Reactive Compounding of Polydimethylsiloxane-Polyurea Copolymer based Masterbatch Colorants <u>Radusch Hans-Joachim, Hübner Matthias, Röber Friedhelm, Wutzler Andre</u> - Germany</p>	<p>KN-S20-525 Reinforcing polylactide with lactic acid modified Cellulose Nanocrystals via melt blending <u>Raquez Jean-Marie, Spinella Stephen, Gross Richard, Habibi Youssef, Dubois Philippe</u> - Belgium (30min)</p>
12:10-12:30 pm	<p>OP-S12-22 Multi-layer polyelectrolyte on polymer surface for direct methanol fuel cell <u>Huang Sz-Chieh, Melody, Lue Shingiang, Jessie Jessie</u> - Taiwan</p>	<p>OP-S04-93 Development of high-performance thermoplastic PPS/PESU blends as matrices in fiber reinforced composites <u>Krooß Tim, Gurka Martin, Breuer Ulf</u> - Germany</p>	<p>OP-S03-284 How to postpone the Gross Melt Fracture in linear Polymer melt extrusion <u>Ndao Makha, Domejean Hugo, Valtier Michel, Allal Ahmed</u> - France</p>	<p>OP-S02-30 Use of Polymer Blends to Reduce Carbon Nanotube Breakage during Melt Processing <u>Grady Brian, Guo Jiayi</u> - USA</p>	<p>OP-S02-133 Investigation of Fiber Orientation and Displacement in High-Pressure Foam Injection Molding of Polystyrene/Carbon-Fiber Composites <u>Shaaeygan Wahid, Cuif Lorraine, Ameli Aboutaleb, Wang Sai, Park Chul B.</u> - Canada</p>	<p>OP-S06-106 Influence of the chemical structure of ferulic acid derivatives on the aspect ratio of hemp fibres and on the mechanical properties of biocomposites materials by Confocal Raman Imaging <u>Gallos Antoine, Beaugrand Johnny, Paës Gabriel, Allais Florent</u> - France</p>	<p>OP-S10-138 Novel Thermo-thickening Polymers for potential application in enhanced oil recovery <u>Kamal Muhammad Shahzad, Sultan Abdullah Saad</u> - SaudiArabia</p>	<p>OP-S07-789 Simulation of the Micropelletization Process using the Corotational Maxwell Model <u>Schäfer Christian, Osswald Tim A.</u> - USA</p>	<p>OP-S09-164 One-step Reactive Twin Screw Extrusion Process for Compatibilizing Polymer Blends <u>Sobkowicz Margaret, Farahanchi Azadeh, Gug Jeongin</u> - USA</p>	
12:30 -12:50 pm	<p>OP-S12-26 Synthetic fibers tailored for medical textiles <u>Hufenus Rudolf, Quandt Brit Maike, Leal A. Andrés, Hegemann Dirk</u> - Switzerland</p>	<p>OP-S04-232 Evaluation of influence of nano particles on morphology of PP/PS blends by FT-rheology from LAOS test <u>Salehiyan Reza, Lee Sumkun, Kim Minguen, Hyun Kyu</u> - Korea</p>	<p>OP-S03-96 First insight into the High Speed Extrusion of Polycarbonate <u>Pohl Max, Peter Meilwes, Schöppner Volker</u> - Germany</p>	<p>OP-S02-11 Multifunctional Nanopapers for Fiber Reinforced Polymeric Composites <u>Castro Jose M., Cabrera Eusebio, Zhao Yanan, Zhang Dan, Lee James</u> - USA</p>	<p>OP-S02-214 Influence of Graphite and SEBS Addition to Polypropylene Composites on Thermal and Electrical Conductivity and Mechanical Properties <u>Krause Beate, Cohnen Andreas, Pötschke Petra, Hickmann Thorsten, Koppler Dagmar, Proksch Bettina, Kersting T., Hopmann CH.</u> - Germany</p>		<p>OP-S07-103 Alternative Energy Source Impact on Synthesis of Poly Lactic Acid through Continuous Reactive Extruder: Reaction kinetics modeling <u>Dubey Satya Prakash, Abhyankara Hrushikesh A, Mercchante Veronica, Brighton James L, Bergmann Bjorn, Trinh Giang, David Chantal</u> - UK</p>	<p>OP-S09-774 Reactive extrusion of PLA/PC blends and composites <u>Gigante Vito G, Coltella Maria-Beatrice, Coltella, Phuong Vu than, Cinelli Patrizia, Lazzeri Andrea</u> - Italy</p>		

12:50 -02:00 pm Lunch Break

Tuesday, July 26, 2016

Chair : Andrew Hrymak										
02:00-02:45 pm Plenary Lecture 3: Polymers under topological constraints: a rheological journey from entanglements to nanocomposites, Vlassopoulos Dimitris (University of Crete – Greece). Room: Auditorium Lumière										
02:45-02:50 pm Room Change										
Room	Session 1 Rhone 1	Session 2 Rhone 2	Session 3 Rhone 4	Session 4 Rhone 3a	Session 5 Rhone 3b	Session 6 Auditorium Pasteur	Session 7 St Clair 1a	Session 8 St Clair 2	Session 9 St Clair 3a	Session 10 St Clair 4
02:50-06:30 pm	Fibers, Films, and Membranes	Polymer Blends and Alloys	Extrusion and Extrusion Processes	Nanocomposites and filled Polymers (1)	Nanocomposites and filled Polymers (2)	Biopolymers and polymers for renewable resources	Rheology and Rheometry	Process Modelling and simulation	Reactive Processing	Special S: Biobased Plastics for materials and renewable Energy. Sponsored by NSF-PIRE
Chair	Peters Gerrit W.M	Volker Altstaedt	Hossein Nazockdast	Mosto Bousmina	Luiz Antonio Pessan	Y. Menciloglu	Wang Shi-Qing	Toshihisa Kajiwara	Udo Wagenknecht	Ica Manas-Zloczower
02:50-03:20 pm	KN-S12-148 A Novel Fiber Processing Technology Based on Fused Deposition 3D Printing Combined with Melt Electrospinning Ko Junghyuk Ashani Vahid, Yao Selina X., Jun Martin B.G., <u>Lee Patrick C.</u> - Canada/USA		OP-S03-431 Current Achievements in Experimental and Computational Modeling of Screw Extrusion <u>Miethlinger Jürgen</u> , Pachner Sophie, Marschik Christian, Luger Hans-Jürgen, Löw-Baselli Bernhard - Austria (20min)	KN-S02-290 Effect of MWCNT and block copolymers in the structure of polypropylene/polystyrene blends <u>Sundararaj Uttandaraman</u> , Otero Navas Ivonne - Canada		KN-S06-130 Potential of protein based-biocomposites prepared with lignin-free cellulose Garrido Tania, Leceta Itsaso, Guerrero Pedro, <u>de la Caba Koro</u> - Spain	KN-S10-169 Anomalous Effect of Temperature on Rheology of Poly Lactide /Graphene Nanoplatelet Nanocomposites Kashi Sima, Gupta Rahul K, <u>Bhattacharya Sati N</u> - Australia	KN-S07-89 Investigation of the knife-over-roll coating process for Plastisols coating applications <u>Agassant Jean-François</u> , Demay Yves, Castellani Romain, Abdesselam Yamina, Peres Richard, Gourdin Diego - France	OP-S09-735 Electron induced reactive processing of polypropylene/ethylene octene copolymer blends – a new method to produce toughened polypropylene <u>Zschech Carsten</u> , Gohs Uwe, Heinrich Gert-Germany (20min)	KN-S20-564 Tuning the hydrolytic degradation rate of Poly-Lactic Acid (PLA) to more durable applications Iozzino Valentina, Askanian Haroutioun, Leroux Fabrice, Verney Vincent, <u>Pantani Roberto</u> - Italy
03:20-03:40 pm	OP-S12-25 Polyelectrolyte Complex Containing Graphene Oxide Nanofillers as Desalination Membranes Wang Yi-Chun, <u>Shih Lue Shingiang</u> - Taiwan	OP-S04-519 Inducing conductivity in immiscible PP/PS blends by a percolated polyaniline/PA filler selectively localised by interactions with the SEBS-g-MA compatibilizer Bharati Avani, Hejmady Prakhayat, Cardinaels Ruth, Won Seo Jin, <u>Moldenaers Paula</u> - Belgium	OP-S03-131 Experimental and Theoretical Study on Starve Fed Single Screw Extrusion of Polymer Blends Wilczyński Krzysztof J., Nastaj Andrzej, Lewandowski Adrian, <u>Wilczyński Krzysztof</u> - Poland	OP-S02-110 Polymer Composites with Zeolites <u>Szostak Marek</u> , Walczak Rozalia - Poland	OP-S02-167 Development of piezoelectric properties in PVDF: Effect of particle concentration and stretching variable <u>Jahan Nusrat</u> , Aji Abdellah, <u>Mighri Frej</u> , Rodrigue Denis - Canada	OP-S06-144 Modeling approach for the degradation mechanisms of PLA resulting from processing <u>Dängen Matthias</u> , Keller Stefan, Koch Michael - Germany	OP-S10-474 Slip and Roughness at the Interface between Polymeric Liquids during Capillary Flow - <u>Sukumaran Sathish K.</u> , Komuro Ryohei, Takuya Ito, Sugimoto Masataka, Koyama Kiyohito - Japan	OP-S07-128 Cavity Dependence of Core Penetration in Co-Injection Multi-Cavity Molding <u>Huang Chao-Tsai</u> , Hsu Chih-Chung, Chang Rong-Yeu, Tseng Shi-Chang - Taiwan	OP-S09-279 The interplay between molecular dynamics and reaction kinetics during curing reactions <u>Schawe Jürgen E.K.</u> - Switzerland	KN-S20-752 Recent advances in nanocellulose-based materials Habibi Youssef-Luxembourg (30min)
03:40-04:00 pm	OP-S12-69 Structural Characterization By X-ray Scattering Of PET Film By Near Melting Point Stretching Tanimura Aya, Horinouchi Kazuhito, Inagaki Jun, Funaki Kenichi, Shimizu Toshiyuki, Numata Yukihiro, <u>Ito Katsuya</u> - Japan	OP-S04-181 Influence of the selective functionalization of halloysite on the morphology and the rheology of co-continuous polystyrene/polyamide 11 blends <u>Sahnoune Mohamed</u> , Taguet Aurélie, Otazaghine Belkacem, Kaci Mustapha, Lopez-Cuesta José Marie-France	OP-S03-81 Opportunities and challenges of profile extrusion dies produced by additive manufacturing processes Hopmann Christian, <u>Yesildag Nafi</u> , Windeck Christian, Bremen Sebastian, Wissenbach Konrad, Merkt Simon - Germany	OP-S02-113 Effect of unfunctionalized and HNO3-functionalized multiwall carbon nanotubes on the mechanical and electrical properties of co-continuous polymeric systems <u>Mighri Frej</u> , Nafaa Athmouni, Elkoun Saïd - Canada	OP-S02-140 Effect of OMMT on fire resistance of EVA-based ceramifying composites Gong Xinhao, Shen Yucai, <u>Wang Tingwei</u> - China	OP-S06-136 Compatibilizing Effects of Itaconic Anhydride on Blends between Poly(lactic acid) and Novatein Thermoplastic Protein <u>Walallavita Anuradha Sammanie</u> , Verbeek Casparus Johannes Reinhard, Lay Mark Christopher - NewZealand	OP-S10-171 Effect of the wave length and the intensity of UV LED on UV-curable LSR Tae Joon-sung, Yim Kyung-gyu, Kwak Jae B., Gim Jin-su, <u>Rhee Byung-ohk</u> - Korea	OP-S07-265 Multiphase and Multiscale Approaches for Modeling the injection of textured molds <u>Laure Patrice</u> , Nakhoul Rebecca, Silva Luisa, Vincent Michel - France	OP-S09-522 Preparation of Long Chain Branched Polypropylene by the Silane-grafting Reactive Extrusion and its Foaming Behavior Yao Zhen, Xu Lin-jie, Qiu Shaolong, Li Yan, <u>CAO Kun</u> - China	

04:00-04:20 pm	<p>OP-S12-76 Polymer Structure Effects on Crystallization and Properties in Polypropylene Film Casting <u>Gahleitner Markus</u>, Mileva Daniela, Gloger Dietrich, Tranchida Davide, Androsch René - Austria/Germany</p>	<p>OP-S04-197 Effects of Reactive Polymer as Modifier on Impact Strength and Hydrolytic Stability of PC/ABS Blend <u>Nishino Kohhei</u>, Shindo Yuichi, Takayama Tetsuo, Ito Hiroshi- Japan</p>	<p>OP-S03-422 Experimental Investigation of the Mixing Quality of High-Performance Screws <u>Luger Hans-Jürgen</u>, Marschik Christian, Gillhofer René, Grubauer Markus, Miethlinger Jürgen- Austria</p>	<p>OP-S02-122 Projecting very long-term non-Fickian moisture absorption behavior based on short-term data <u>Grace Landon</u> - USA</p>	<p>OP-S02-142 The Processing of Functional Polymer Nanocomposites <u>Deng Hua</u>, Du Rongni, Fan Mingfeng, Fu Qiang - China</p>	<p>OP-S06-123 Development of bio-based polyamides: films extrusion and composites preparation with natural fillers <u>Frache Alberto</u>, Battezzore Daniele, Peduto Nicolangelo, De Sio Anna- Italy</p>	<p>OP-S10-639 Structural and multi-scale magnetorheological investigation of simple magnetic fluids and nanocomposites biopolymer based networks <u>Ponton Alain</u> - France</p>	<p>OP-S07-145 Multi-scale simulations of polymer melt flow in a contraction and expansion channel <u>Taniguchi Takashi</u>, Harada Kohei - Japan</p>	<p>OP-S09-441 An engineering approach to improve the prediction of melt flow behaviour for injection moulded rubber parts <u>Amine El Sayed Achraf</u> - Netherlands</p>	<p>OP-S20-44 Processability and Mechanical Properties of Biobased Epoxy Resin Systems for Wind Turbine Blades Yue Liang, Maiorana Anthony, Patel Ammar, Gross Richard A., <u>Manas-Zloczower Ica</u> - USA</p>
04:20-04:40 pm	<p>OP-S12-115 The Development of the Polyamide Filament Knitted Fabrics with Antimosquito, Anti UV, and Cooling Functions Using Chemical Synthesis Method <u>Chin Chih-Ping</u>, <u>Liu Jen-Yung</u>, Cheng Kou-Bin, Chang Jing-Tang, Huang FU-Liang- Taiwan</p>	<p>OP-S04-779 Novel Strategy for Compatibilization of Immiscible Ternary Polymer Blends and Its Morphology Development <u>Wang Dong</u>- China</p>	<p>OP-S03-83 Groove Geometry and Bulk Material Properties Impacting on Pressure Build-up in Single Screw Extruders <u>Düngen Matthias</u>, Müller Michael, Koch Michael - Germany</p>	<p>OP-S02-127 Can Inorganic Nanotubes Replace Carbon Nanotubes in Polymer Nanocomposites? <u>Kenig Samuel</u>, Dodiuk Hanna, Tenne Reshef - Israel</p>	<p>OP-S02-146 Effects of Graphene/sulfur particles on thermal and crystallization of High density polyethylene (HDPE) Jena Kishore Kumar, <u>Alhassan Saeed M</u> - UAE</p>	<p>OP-S06-151 Relationship between Crystallization and Thermal Property of Injection-molded Poly(L-lactic acid) under the Coexistence of Carbon Nanotubes and Shear Flow Xie Xu-Long, Zhong Gan-Ji, <u>Li Zhong-Ming</u>- China</p>	<p>OP-S10-268 Pressure-Drop And Kinematics Of Flow Through An Axisymmetric Contraction-Expansion Geometry <u>Manero Octavio</u>- Mexico</p>	<p>OP-S07-160 A semi-mechanistic model for polyurethane cure thermokinetics : Application to a natural rubber based thermoset Tran Thi Kieu Nhung, Colomines Gaël, Nourry Arnaud, Pilard Jean François, Deterre Rémi, <u>Leroy Eric</u> - France</p>	<p>OP-S09-277 Properties of gamma-Irradiated PP/PE blends obtained by reactive processing. <u>Massardier Valerie</u>, Fel Elie, Khrouz Lhoussain, Bonneviot Laurent, Cassagnau Philippe- France</p>	

04:40-04:50 pm **Coffee Break. Room: Exhibit and poster Hall- Forum 2**

04:50-05:10 pm	<p>OP-S12-147 The effect of additives on high temperature water retention, mechanical and thermal stability of polymer composites. <u>Agrawal Bhawana</u>, Porada Monika Willert - Germany</p>	<p>OP-S04-580 Production of PBT/PC particle systems by wet grinding <u>Schmidt Jochen</u>, Romeis Stefan, Wirth Karl-Ernst, Peukert Wolfgang - Germany</p>	<p>OP-S03-527 A novel extrusion process using a special static mixer die and on-line ultrasound simultaneously <u>Sanchez-Olivares Guadalupe</u>, Sanchez-Solis Antonio, Calderas Fausto, Medina-Torres Luis, Manero Octavio-Mexico</p>	<p>OP-S02-152 Influence of artificial aging on the thermal conductivity of graphite and ceramic filled compounds <u>Mieth Florian</u>, Heim Hans-Peter, Sauer Viola - Germany</p>	<p>OP-S02-233 Impact of Synthesis Temperature on Structure of Carbon Nanotubes and Morphological and Electrical Characterization of Their Polymeric Nanocomposites <u>Arijmand Mohammad</u>, Mirkhani Seyyed Alireza, Krause Beate, Pötschke Petra, Sundararaj Uttandaraman- Canada</p>	<p>KN-S06-646 The impact of the development of mesomorph phase on physical performance of PLA nanocomposites <u>Lafleur Pierre G</u>, Karami Shervin - Canada (30min)</p>	<p>OP-S10-350 Quantification Of Volume Defects Encountered During The Extrusion Of Rubber Compounds Jugo Vilorina Miren, Domejean Hugo, Valtier Michel, <u>Vergnes Bruno</u> - France</p>	<p>OP-S07-223 Evaluation of Fiber Orientation Prediction for automotive applications <u>Keck Armin</u> - Germany</p>		
05:10-05:30pm	<p>OP-S12-281 Electrospinning of Poly(N-vinylcaprolactam)/polycaprolactone blend for Drug Delivery Applications <u>Sta Marwa</u>, aguiar Grazielle De Jesus, Medeiros Simone de Fátima, dos Santos Amilton, Demarquette Nicole - Canada/Brazil</p>	<p>OP-S04-621 Mixing of Polar and Non-Polar Molten Olefinic Co-polymer with Polar Liquids in Conditions of Very Low Viscosity Ratio: Shear Dominated Flows <u>Kevin Verilhac</u>, Desse Melinda, Fenouillot Françoise, Carrot Christian - France</p>	<p>OP-S03-512 Study of the Rheological Behavior of Polypropylene/Polyethylene Extruded Mixture Using an Instrumented Die <u>El Hajj Sleiman Ghinwa</u>, Belhabib Sofiane, Petit Isabelle, Allanic Nadine, Deterre Rémi - France</p>	<p>OP-S02-166 Determination of the optimum coupling agent content for composites based on hemp and high density polyethylene Kavianiboroujeni Azam, Cloutier Alain, <u>Rodrigue Denis</u> - Canada</p>	<p>OP-S02-228 Influence of Nanoclay on Mechanical Properties of Glass Fiber Reinforced Polypropylene Composites <u>Sousa Jose Alexandrino</u> - Brazil</p>		<p>OP-S10-426 Elongational rheology of glass-fiber and natural-fiber reinforced polypropylenes with a novel online rheometer <u>Luger Hans-Jürgen</u>, Köpplmayr Thomas, Sobczak Lukas, Haider Andreas, Miethlinger Jürgen- Austria</p>	<p>OP-S07-230 Erosion In Extruder Flow: A Numerical And Analytical Study <u>Kaufman Miron</u>, Fodor Petru S. - USA</p>	<p>KN-S09-739 The use of a reactive compatibilizer-tracer to probe reactive polymer blending processes JI Wei-Yun, ZHANG Cai-Liang, <u>HU Guo-Hua</u>, Feng Lian-Fang, Hoppe Sandrine- France (30min)</p>	<p>KN-S20- 619 Biobased materials for optoelectronics Singer Kenneth, Gross Richard, <u>Dawson Nathan</u>, Maiorana Anthony, Liu Fei, Spinella Stephen, McMaster Michael, Peters Kyle, Ibrahim Mohammad, Mekala Shekar- USA (30min)</p>

05:30-05:50 pm	<p>OP-S12-200 Visualization of pillar-shaped fiber bundle in model needle-punched nonwoven fabric by X-ray micro computed tomography Ishikawa Tatsuya, Kim KyoungHou, <u>Ohkoshi Yutaka</u> - Japan</p>	<p>OP-S04-334 Synthesis of Poly(ethylene terephthalate-co-naphthalene) to Achievement the Hot Fill Properties Abbasi Atiyeh, Sheikh Nejad Moghadam Abdollah, Amir Aslani Saba Reza, <u>Keshavarzian Ali</u> - Iran</p>	<p>OP-S03-452 Solids Conveying in Lab Scale Smooth Barrel Single Screw Extruders Regarding the Material Parameters' Dependence on Pressure, Temperature and Velocity <u>Kneidinger Christian</u>, Schuschnigg Stefan, Längauer Manuel, Zitzenbacher Gernot, Miethlinger Jürgen- Austria</p>	<p>OP-S02-184 The role of process induced platelet orientation in layered flame retardants Knorr Roland, Leuteritz Andreas, Boldt Regine, Kühnert Ines, Wang DeYi, <u>Wagenknecht Udo</u> - Germany</p>	<p>OP-S02-227 Crystalline Nanocellulose in Biodegradable Polyester nanocomposites prepared by in situ polymerization Clarke Ashley, Vasileiou Alexandros A, <u>Kontopoulou Marianna</u> - Canada</p>	<p>OP-S06-156 Effects of POSS nanoparticles on the properties of PLA/TPU Blends <u>Tuccar Kilic Nilay</u>, Can Buse Nur, Kodal Mehmet, Ozkoc Guralp - Turkey</p>	<p>OP-S10-153 Rheological analysis of 3D printability of alginate hydrogel Li Huijun, <u>Li Lin</u> - Singapore</p>	<p>OP-S07-241 Enhanced Shrinkage Prediction Considering Cooling Rate Effects on PVT <u>Costa Franco S</u>, Cook Peter S, Zuo Zhihao- Australia</p>	<p>OP-S09-548 Using a concept of reactive compatibilizer-tracer to probe mixing performances of a twin screw extruder for reactive compatibilizing blending processes Ji Weiyun, Feng Lianfang, Gu Xueping, <u>Zhang Caijiang</u>, Hu Guohua-China/France</p>	<p>OP-S20-173 Chemically modified natural fiber reinforced corn starch matrix based green composites – Evaluation of thermal, morphological and mechanical properties <u>Singha Amar Singh</u> - India</p>
05:50-06:10 pm	<p>OP-S12-273 Preparation of PBI/Reduced-Graphene Oxide Composite Membranes by blending Method for Alkaline Direct Alcohol Fuel Cells Chang Hong-Ming, <u>Lue Shing-jiang</u> - Taiwan</p>	<p>OP-S04-636 A rheological and morphological study on flame retarded PP/EVA blends and its nanocomposites Razavi Aghjeh Masoud, Jafari Seyed Hassan, <u>Khonakdar Hossein Ali</u> - Iran/Germany</p>	<p>OP-S03-488 Flow balancing in profile extrusion dies: a novel simplified methodology <u>ICarneiro O. S.</u>, Rajkumar A., Ferrás L. L., Fernandes C., Becker M., Nóbrega J. M. - Germany</p>	<p>OP-S02-211 How can the localization of nanoparticles (silica nanospheres or kaolin nanoplatelets) into PS/PA6 blends influence the final properties? <u>Taguet Aurélie</u>, Otazaghine Belkacem - France</p>	<p>OP-S02-261 Chemical Modification of Graphite Oxide Sheets and Their Uses in Polyisoprene-based Nanocomposites <u>Pazat Alice</u>, Beyou Emmanuel, Barrès Claire, Bruno Florence, Janin Claude - France</p>	<p>OP-S06-775 Opportunities and issues in extruding biodegradable polyester blends for packaging <u>Coltellia Maria-Beatrice</u>, Mallegni Norma Mallegni, Cinelli Patrizia, Kazem Fehria Seyed Mohammad, Gigante Vito Gigante, Aliotta Laura, Lazzeri Andrea- Italy</p>		<p>OP-S07-141 Application of the Least Square Finite Element Method in the Interface Tracking of a Two-Phase Flow <u>Mostafaiyan Mehdi</u>, Wiessner Sven, Heinrich Gert - Germany</p>	<p>OP-S09-109 Reactive Extrusion of Sol-Gel Silica as Fire Retardant Additive In Ethylene-Vinyl Acetate Copolymer (EVA) Composites <u>Battegazzore Daniele</u>, Lavaselli Matteo, Frache Alberto, Li D, He J, Yang R - Italy/China</p>	
06:10-06:30 pm	<p>OP-S12-243 Analysis on crystallization behavior of oriented poly(ethylene terephthalate) fibers and films Shibata Seiji, <u>Takarada Wataru</u>, Kikutani Takeshi - Japan</p>	<p>OP-S04-470 Morphology-rheology relationship in thermoplastic starch/ polylactic acid blends Esmaili Mohsen, <u>Pircheraghi Gholamreza</u> *, Bagheri Reza- Iran</p>	<p>OP-S03-226 Existence of a critical thickness in coextruded multilayer films Bironneau Adrien, Guinault Alain, Regnier Gilles, Miquelard-Garnier Guillaume, <u>Sollogoub Cyrille</u> France</p>		<p>OP-S02-12 Elaboration and characterization of nanostructured polyurethane rigid foams within the inclusion of oMMT: impact and fire proof behavior <u>Safidine Zitouni</u>, Mahmoud Yasmine- Algeria</p>			<p>OP-S07-256 Two phases model for highly suspended viscous flow and 3D simulation <u>Francois Guillaume</u>, Ville Laurence, Gallier Stany - France</p>	<p>OP-S09-542 Surface modification of bakelite particles: enhancement of their performance as a filler <u>Bernardeau Fabien</u>, Perrin Didier, Caro Anne-Sophie, Benezet Jean-Charles, Jenny Patrick- France</p>	

6:30-8:00 pm

Poster Session-Part 1 (Symposia 1-10):Exhibit and poster Hall-Forum 2

Wednesday, July 27, 2016

Chair : Phil Coates										
08:00-08:45 am	Plenary Lecture 4: Access to new properties compromise : polyolefins-based solutions are still in the race, Olivier Lhost- Total group. Room: Auditorium Lumière									
08:45-08:50 am	Room Change									
Room	St Clair 5 Session 1	Rhone 2 Session 2	Rhone 4 Session 3	Rhone 3a Session 4	Rhone 3b Session 5	Auditorium Pasteur Session 6	St Clair 1a Session 7	St Clair 2 Session 8	St Clair 3a Session 9	St Clair 4 Session 10
08:50 am- 12:35 pm	Blow Molding, Thermoforming and Rotomolding	Mixing and compounding	Extrusion and Extrusion Processes	Nanocomposites and filled Polymers (1)	Nanocomposites and filled Polymers (2)	Biopolymers and polymers for renewable resources	Rheology and Rheometry	Process Modelling and simulation	Reactive Processing & High Performance Composite Processing	Special S: Microtechnology and smart materials
Chair	Marianna Kontopoulou	Sugimoto Masataka	Cakmak Mukerrem	Abdellah Aji	Bruno Vergnes	Giuseppe Titomanlio	Joao Maia	Evan Mitsoulis	Ito Hiroshi	Patrick C. Lee
08:50-09:20 am	KN-S01-394 Particle Sintering from Rotational Molding To Additive Manufacturing <u>John Vlachopoulos</u> - Canada	KN-S14- 66 The Zsk At 60: A Retrospective Of Technology Development With A View To The Future And Growth Of Non-Traditional Applications <u>Andersen Paul</u> - USA	KN-S03-39 Experimental measurements of pressure, temperature and residence time in a co-kneader: effect of melt viscosity. <u>Carrot Christian, Raveyre Claude, Monchatre Benjamin</u> - France	KN-S02-43 Modeling the Percolation Behavior in Bulk and Foam Polymers with Carbon Nanofillers <u>Maxian Ondrej, Pedrazzoli Diego, Manas-Zloczower Ica</u> - USA	KN-S02-312 Microinjection molding of polystyrene/multi-walled carbon nanotubes nanocomposites <u>Zhou Shengtai, Hrymak Andrew, Kamal Musa</u> - Canada	KN-S06-331 Innovative renewable systems based on aliphatic-aromatic polyurethanes from different biomass. <u>Averous Luc</u> -France	KN-S10-229 Modification of rheological responses under elongational flow <u>Yamaguchi Masayuki</u> - Japan	KN-S07-532 Simulation of thermoplastic prepreg thermoforming based on a visco-hyperelastic model <u>Guzman-Maldonado eduardo, Hamila Nahiene, Boisse Philippe</u> - France	KN-S09-772 New Understanding on the formation of phase structure of Thermoplastic Vulcanizate (TPV) During Dynamic Vulcanization <u>Tian Ming, Wu Hanguang, Ning Nanying, Tian Hongchi, Wu Youping, Zhang Liqun</u> - China	KN-S19-587 Characterization of Origami Shape Memory Metamaterials (SMMM) Made of Bio Compatible Polymers <u>Kshad Mohamed Ali, Naguib Hani</u> - Canada
09:20-09:40 am	OP-S01-9 Optimization Of The IR-Heating Phase In Thermoforming Of Thermoplastic Sheets: Characterization And Modelling <u>Buffel Bart, Van Mieghem Bart, Van Bael Albert, Desplentere Frederik</u> - Belgium	OP-S14-38 Scale up of Polypropylene/Carbon Nanotubes Nanocomposites: Dispersion Improvement by Means of Simulation Software <u>Roca-Blay Luis, Galindo-Galiana Begoña</u> - Spain	OP-S03-549 Synthesis and Tribological Investigation of PVD Hard Coatings deposited via Hybrid dcMS/HPPMS for Application in Plastics Processing <u>Bobzin Kirsten, Brögelmann Tobias, Kruppe Nathan C., Naderi Mona</u> - Germany	OP-S02-249 Viscosity amplification in dilute suspensions of non-spherical particles in a non-Newtonian matrix fluid <u>Domurath Jan, Saphiannikova Marina, Ausias Gilles, Férec Julien, Heinrich Gert</u> - Germany	OP-S02-311 Low Viscosity Processing To Form Electrically Conductive Epoxy Resin Composites Using Novel Hybrid Cnt-Coated Silica Particles <u>Wilkinson Arthur</u> - UK	OP-S06-161 Innovative Phosphate-Free Alternatives for Silicate Resins Applied in Sewer Rehabilitation <u>Kopietz Mark, Grishchuk Sergiy, Wetzal Bernd</u> - Germany	OP-S10-637 Effect of the addition of organoclay on the morphology and rheological behavior of PMMA/PS blends <u>Genoyer Julie, Yee Marcio, Soulestin Jérémie, Demarquette Nicole</u> - France	OP-S07-291 Numerical Simulation And Validation Of The Shrink Process Of Plastic Films In Packaging Applications <u>Klein Daniel, Zimmer Johannes, Stommel Markus</u> - Germany	OP-S09-763 Micro compounding for reliable screening of reactive extrusion (REX) processes <u>Scholten Boudewijn J.R., Looijens Ton, Ozkoc Guralp-</u> Netherlands/Turkey	OP-S19-61 Crystalline Supramolecular Interaction of crystalline side chain and its application <u>Nakano Ryoko, Maeda Ai, Obuchi Hideaki, Tateishi Yukiko, Kanazawa Yuri, Sekiguchi Hiroshi, Yao Shigeru</u> - Japan

09:40-10:00 am	<p>OP-S01-736 Investigation of Halloysite as Reinforcement for Polyethylenes in Rotational Moulding <u>Höfler Günther</u>, Lin Richard J.T., Jayaraman Krishnan - NewZealand</p>	<p>OP-S14-191 Investigating the Impact of Operating Conditions on the Extent of Additive Mixing in Thermoplastic Polymer System Stratiychuk-<u>Dear Dmytro</u>, Looney Kieran, Oliver Paul, Blackburn Stuart, Simmons Mark- UK</p>	<p>OP-S03-543 A Novel Grooved Single Screw Extruder Design <u>Miethlinger Jürgen</u>, <u>Marschik Christian</u> - Austria</p>	<p>OP-S02-276 The Properties of Polyethylene Nanocomposites Incorporating Cellulose Nano Crystals (CNC) <u>Kamal Musa R.</u>, Abdallah Wissam, Tan Victor - Canada</p>	<p>OP-S02-364 Localization of MWCNTs in EOC/COC blends Hosseinpour Ali, Katbab Aliasghar, Mehranpour Milad, <u>Nazockdast Hossein</u>, Ghiassinejad Sina - Iran</p>	<p>OP-S06-165 Aqueous Latexes of Biobased Copolyesters for Paper Coating <u>Sobkowicz Margaret</u>, Emery Kyla, Tan Bin - USA</p>	<p>OP-S10-496 A New Device for Measuring Shear Viscosity of Rubbers on a Rubber Injection Molding Machine <u>Fasching Michael</u>, <u>Friesenbichler Walter</u>, <u>Leitner Eduard</u>, Berger Gerald- Austria</p>	<p>OP-S07-305 A macroscopic model for predicting flow induced orientation of fibers in viscoelastic fluids <u>Borzacchiello Domenico</u>, Abisset-Chavanne Emmanuelle, Chinesta Francisco, Keunings Roland- France</p>	<p>OP-S09-272 Carbonyl hydrosilylation reaction in polymer processing conditions: Toward PBT/PMHS crosslinking and compatibilization <u>LI Jingping</u>, CASSAGNAU Philippe, BOUNOR-LEGARE VERONIQUE- France</p>	<p>OP-S19-63 Silver Miniwires Grids Made by co-Electrospinning for Transparent Conductive Applications <u>Claracq Jerome</u>, Bashir Mubasher, de Graaf Michael, Joo Jake - USA</p>
10:00-10:20 am	<p>OP-S01-94 Infrared Radiation applied to Blow Molding and thermoforming <u>Schmidt Fabrice Mario</u> , Le Maoutl Yannick - France</p>	<p>OP-S14-245 Effect of Compounding Method on Rheological, Thermal and Mechanical Behavior of Blast Furnace Slag Filled Polystyrene Compounds <u>Mostafa Abdelhamid</u>, Pacher Gernot, Lucyshyn Thomas, Holzer Clemens, Flachberger Helmut, Krischey Elke, Fritz Bertram, Laske Stephan- Austria</p>	<p>OP-S03-668 Facile route to fabricate polymeric materials with alternating multilayer structure: toward high performances <u>Guo Shaoyun</u>, Shen Jiabin China</p>	<p>OP-S02-346 Rheological and electrical properties of SEBS/MWCNT nanocomposites <u>Silva de Lima Carlos Alberto</u>, Amurin Leice G, David Eric, Demarquette Nicole R - Canada</p>	<p>OP-S02-296 Polystyrene functionalized multi-walled carbon nanotubes for SEBS nanocomposites with improved conductivity <u>Santos João Paulo Ferreira</u>, Terzic Ivan, Loos Katja, Bretas Rosario Elida Suman - Brazil</p>	<p>OP-S06-231 Functionalisation of wood particles, cellulose and hemicellulose using reactive extrusion <u>Gaugler Marc</u>, Vaidya Alankar A, Smith Dawn A- NewZealand</p>	<p>OP-S10-732 Rheological characterization of macromolecular colloidal gels as simulant of bronchial mucus <u>Lafforgue Olivier</u>, Poncet Sébastien, Seysniecq Isabelle, Favier Julien - France</p>	<p>OP-S07-308 Phase-field models for partially miscible systems <u>Park Jang Min</u> - SouthKorea</p>	<p>OP-S09-728 Elucidation of complexes structures created by reactive extrusion through coupling rheology, DOSY NMR and SEC analysis <u>Lucas Antoine</u>, Bounor-Legaré Véronique, Cassagnau Philippe, Boisson Fernande, Crépet Agnès, Martin Gregory, Vanhille Aurélie- France</p>	<p>OP-S19-325 Curing and demolding behavior in R2R UV nanoimprint process <u>Taki Kentaro</u>, Kondo Shunsuke, Ito Hiroshi - Japan</p>
10:20-10:35 am Coffee Break. Room: Exhibit and poster Hall-Forum 2										
10:35-10:55 am		<p>OP-S14-500 Processing and properties of PLA-HA nanocomposites: the effect of particle morphology and dispersants <u>Tomeczynska Magdalena M.</u>, Choong Gabriel Y. H., Ward Michael, Canciani Alessia, Walton Kirsty, De Focatiis Davide S. A., Grant David M., Irvine Derek J., Parsons Andrew J. - UK</p>	<p>OP-S03-685 Turnkey Extrusion Lines for Highly-Filled Compounds: Compounding of CaCo3 Formulations <u>Kretz Richard</u>, Thummert Michael Germany</p>	<p>OP-S02-347 Simultaneous toughening and reinforcement in melt-processed polycarbonate-graphene composites with extremely low graphene loading <u>Wang Jianfeng</u>, <u>Wu Hong</u>, Guo Shaoyun - China</p>		<p>OP-S06-179 Influence of Process Route on the Property Profile of Polymer Based Intravaginal Drug Delivery Systems <u>Engenreich Karin</u>, Schrank Simone, Koscher Gerold, Roblegg Eva, Laske Stephan, Khinast Johannes - Austria</p>	<p>OP-S10-294 Low Frequency Region as a Finger print to Trace Droplet Deformation <u>Hajiraissi Roozbeh</u>, Jahani Yousef- Germany</p>	<p>OP-S07-356 Modelling of solid phase deformation <u>Spencer Paul</u>, Caton-Rose Fin, Sweeney John, Coates Phil - UK</p>	<p>OP-S17-755 In-situ monitoring of T-RTM process: Rheokinetic investigation of polyamide 6 matrix using Rheology, Dielectric analysis and FTIR Spectroscopy <u>Dkier Mohamed</u>, Lamnawar Khalid, Maazouz Abderrahim- France</p>	<p>OP-S19-107 Micro-FDM Process Capability And Comparison With Micro-Injection Molding <u>Basile Vito</u>, <u>Pagano Claudia</u>, Fassi Irene - Italy</p>
10:55-11:15 am	<p>OP-S01-553 Understanding the role of a flow modifier additive in polyethylene/carbon nanotubes-based formulations for the manufacturing by rotational molding of electrically dissipative parts at reduced CNT content <u>Lison Valérie</u>, Rul Alicia, Hurtgen Marie, De Villepin Cédric, Claes Michaël - Belgium</p>	<p>OP-S14-367 Thermal Diffusivity Behaviour Of The High Density Polyethylene With The Addition Of Pigmentation Masterbatches <u>Castro Landinez Juan Felipe</u>, <u>Medina Jorge Alberto</u> - Colombia</p>	<p>OP-S03-702 Numerical Investigation of Geometrical Changes in the Cooling Configuration for Improving the Output of High Capacity Blown Film Extrusion Lines <u>Neubert Benedikt Paul August</u>, Wortberg Johannes Karl - Germany</p>	<p>OP-S02-359 Surfactant Mediated Synthesis of Polyaniline/Montmorillonite Clay Nanocomposites and Their Characterization <u>Upadhyaya Madhab</u>, Kakati Dilip Kumar - India</p>	<p>OP-S02-407 Mechanical and Thermal Properties of Poly(Lactic Acid) with Cellulose Nanofiber Modified by Bisphenol fluorene diglycidyl ether (BPFGE) <u>Tokumitsu Katsuhisa</u>, Terakura Kosuke, Yamada Masahiro, Sugimoto Masayuki - Japan</p>	<p>OP-S06-186 Effects of Particle Characteristics on Mechanical Properties of Wood Plastic Composites <u>Sälzer Philipp</u>, Feldmann Maik, Heim Hans-Peter - Germany</p>	<p>OP-S10-503 Rheological modification of Novatein Thermoplastic Protein <u>Uitto Jussi</u>, Verbeek Johan, Lay Mark - NewZealand</p>	<p>OP-S07-416 Modeling and Optimization of Melt Filtration Systems in Polymer Recycling <u>Pachner Sophie</u>, Aigner Michael, Miethlinger Jürgen - Austria</p>	<p>OP-S17-402 Engineering Properties and Structure of Reactive Molded Polymers and Its Fiber Reinforced Composites <u>Suenaga Hiroto</u>, Ishigami Akira, Taki Kentaro, Inoue Takashi, <u>Ito Hiroshi</u> - Japan</p>	<p>OP-S19-340 One-pot Route for Patterned Growth of Graphene from Selectively Crosslinked Polystyrene <u>Park Beomjin</u>, <u>Kim Jin Kon</u> - Korea</p>

11:15-11:35 am	<p>OP-S01-19 Numerical Simulation of the Shaping of a Flask through the Injection Blow Moulding Single Stage Process <u>Biglione Jordan</u>, Bereaux Yves, Charmeau Jean-Yves - France</p>	<p>OP-S14- 387 Compression properties of the inorganic filler-thermoplastic composites <u>SANO Yukinori</u>, TANAKA Tatsuya, BETSUDAN Midori - Japan</p>	<p>OP-S03-707 Melt-Mixing by Pitched-Tip Kneading Disks in a Twin-Screw Extruder- Experimental Verification - <u>Kajiwara Toshihisa</u>, Nakayama Yasuya, Takemitsu Hiroki, Esaki Satoshi, Takeuchi Takahide, KImura Koichi, Tomiyama Hideki- Japan</p>	<p>OP-S02-361 Effect of shear flow induced Nano orientation on the crystallization kinetics of polypropylene/MWCNT Nano composites Alimoradi Younes, <u>Nazockdast Hossein</u>, Javadi Azizeh - Iran</p>	<p>OP-S02-414 Effect of modified graphene oxide on the thermal conductivity of epoxy composites <u>Shen Yucui</u>, Zhang Yuwei, Shi Kunxiang, Wang Tingwei - China</p>	<p>OP-S06-209 Crystallization of PLA: overall kinetics and morphology development <u>REFAA Zakariaa</u>, Boutaous Mhamed, XIN Shihe - France</p>	<p>OP-S10-451 Rheological Properties Of Highly Filled Ferrite/Polypropylene In The Molten State <u>Rueda Martha Margarita</u>, Fulchiron René, Prebe Arnaud, Martin Grégory, Cassagnau Ph- France</p>	<p>OP-S07-440 Crystallization Study Under Processing Conditions: High Cooling Rate And High Pressure <u>Pignon Baptiste</u>, Boyard Nicolas, Sobotka Vincent, Delaunay Didier- France</p>	<p>OP-S09-771 Improving the actuated performance of graphene/dielectric elastomers composites by using some new methods <u>Ning Nanying</u>, Ma Qin, Liu Suting, Zan Xiaoqing, Tian Ming, Zhang Liqun - China</p>	
11:35-11:55 am	<p>OP-S01-628 Effect of Molecular Weight Distribution on the Thermal and Physical-Mechanical Properties of High Density Polyethylene Blow Molding Grade Afzali Kamal, <u>Keshavarzian Ali</u> - Iran</p>	<p>OP-S14- 415 Modelling Mechanical Properties of Glass and Basalt Fiber Filled Thermoplastics <u>Bruchmueller Matthias</u>, Koch Michael, Geis Julius, Schneidmadel Stefan- Germany</p>	<p>OP-S03-730 Die build-up issues in extrusion Tailor made fuoropolymers as useful and efficient processing aids <u>Angrall Florent</u>, Devisme Samuel, BEAUME François - France</p>	<p>OP-S02-339 AC Electrical Conductivity, Shielding Effectiveness and viscoelastic characteristics of Nanocomposites based on RTV Silicon Rubber and Nano Graphite Sheets/Carbon Black hybrid system Jevdi Javad, <u>Katbab Ali Asghar</u> - Iran</p>	<p>OP-S02-434 Nitrogen Doped Carbon Nanotube/Polyvinylidene Fluoride Nanocomposites: Synthesis, Morphology, Rheology, and Electrical Properties <u>Sundararaj Uttandaraman</u>, Arjmand Mohammad, Sadeghi Soheil - Canada</p>	<p>OP-S06-258 Cellulose-xyloglucan composite film processing using ionic liquids as co-solvents Bendaoud Amine, Maigret Jean-Eudes, <u>Leroy Eric</u>, Cathala Bernard, Lourdin Denis - France</p>	<p>OP-S10-471 Determination of the rheological behavior from highly filled phenolic injection molding compounds <u>Scheffler Thomas</u>- Germany</p>	<p>OP-S07-466 Effect of crystallization on PEEK bearing components Schaake <u>Richard Pieter</u>, Fan Jiying, Weigand Jeremy Joseph, Williams Jason Louis, Rhoades Alicyn Marie - Netherlands</p>	<p>OP-S09-676 Adhesion development and water ageing resistance in multilayer pipes for sanitary and hot water transport <u>Rondin Jerome</u>- France</p>	
11:55am-12:15 pm		<p>OP-S14- 423 Influence of metal composition in Zn/Mg LDH flame retardant polypropylene nanocomposites <u>Leuteritz Andreas</u>, Spörer Yvonne, Wang De-Yi, Kuehnert Ines - Germany</p>			<p>OP-S02-428 Effect of Stearic Acid on the yield stress and relative viscosity – from low filler content to highly filled zirconia suspensions. <u>Auscher Marie-Camille</u>, Cassagnau Philippe, Fulchiron René, Périé Thomas - France</p>	<p>OP-S06-262 Chemo-enzymatic synthesis and polymerizations of bio-based bisphenols derived from lignin: an access to novel 100% renewable antioxidants and alternating aromatic/aliphatic polymers <u>Allais Florent</u> - Fance</p>		<p>OP-S07-493 Characterization of the constitutive behaviour of aPET in the stretch blow moulding process <u>Yan Shiyong</u>, Menary Gary, Nixon James - UK</p>	<p>OP-S09-768 Insitu Polymerization of Lauro lactam towards Polyamide 12: Investigating the Effect of Catalyst And Activator faridi rad Farzaneh, <u>Ahmadi Shervin</u>, Barmar Mohammad - Iran</p>	
12:15-12:35 pm								<p>OP-S07-499 Experimental Study of Polymer Degassing in an Agitator Vessel <u>Hirschfeld Stefan</u>, Wunsch Olaf-Germany</p>		
12:35 -02:00 pm Lunch Break. PPS business meeting in Room 3- (Only PPS members/delegate Room: Salon Pasteur)										

Wednesday, July 27, 2016

Chair : Chris Macosko										
02:00-02:45 pm	Plenary Lecture 5: From wall slip, extrusion instabilities to melt fracture: can nonlinear rheology of entangled polymers be useful to polymer processing? Wang Shi-Qing (U. of Akron- USA).									
02:45-03:00 pm	Presentation of the coming international and regional PPS conferences. Room: Auditorium Lumière									
03:00-03:05 pm	Room Change									
Room	St Clair 5 Session 1	Rhone 2 Session 2	Rhone 1 Session 3	Rhone 3a Session 4	Rhone 3b Session 5	Auditorium Pasteur Session 6	Rhone 4 Session 7	St Clair 2 Session 8	St Clair 1a Session 9	St Clair 3a Session 10
03:05-05:50 pm	Blow Molding, Thermoforming and Rotomolding	Mixing and compounding	Injection Molding and Molds	Nanocomposites and filled Polymers	Polymer Foams and Lightweight structures	Biopolymers and polymers for renewable resources	Morphology and Structure Development	Process Modelling and simulation	Rheology and Rheometry	Special S: High Performance Composite Processing
Chair	John Vlachopoulos	Manfred Wilhelm	Shih-Jung Liu	Holzer Clemens H.	Chul Park	Ica Manas-Zloczower	Kinsuk Naskar	Tim Osswald	Yamaguchi Masayuki	Brigitte Defoort
03:05-03:35 pm	KN-S01-764 Towards Cellular Plastic Composites Blown With Physical Blowing Agents In Rotational Molding <u>Pop-Iliev Remon</u> Canada	KN-S14- 611 Extensional Mixing Elements for Twin-Screw Extrusion: Computational and Experimental Validation For Liquid-Liquid and Liquid-Solid Systems <u>Maia Joao</u> , Carson Sidney, Covas Jose - USA/Portugal	KN-S13-250 Design And Simulation Of Conformal Cooling Channels In SLM Produced Injection Molds: Effects On Process And Product Quality <u>Six Wim</u> , Appermont Raf, Desplentere Frederik, De Keyzer Jozefien, Van Bael Albert - Belgium	KN-S02-373 Modification of filler as an effective way to enhance properties of epoxy composites used in electrical devices <u>Rybak Andrzej</u> - Poland	KN-S05-528 Open Cell Aerogel Foams <u>Gu Senlong</u> , <u>Jana Sadhan C.</u> USA	KN-S06-716 Design, preparation and properties of bio-based elastomer composites <u>Zhang Liqun</u> - China	KN-S15-482 Enhancing the conductivity of carbon nanotube filled blends by tuning their phase separated morphology with a random or block copolymer <u>Cardinaels Ruth</u> , Bharati Avani, Seo Jin Won, Wübbenhorst Michael, Moldenaers Paula- Netherlands	KN-S07-649 Simulation of Long Fiber Orientation during Injection Molding in the Presence of Fiber Breakage <u>Baird Donald</u> , Chen Hongyu, Lambert Greg- USA	KN-S10-540 In-process rheo-optical characterization of polymer systems at constant extrusion conditions <u>Teixeira Paulo F</u> , Hilliou Loic, <u>Covas Jose A</u> - Portugal	KN-S17-770 Manufacturing of CFRP with Epoxy and Polyurethane Systems in HP- RTM Process and Investigation of the Matrix Influence on the Laminate Properties <u>Felix Behnisch</u> , <u>Timo Huber</u> , <u>Rosenberg Philipp</u> , <u>Weidenmann Kay André</u> , <u>Henning Frank</u> - Germany
03:35-03:55 pm	OP-S01-246 Modelling and Prototyping of the Centrifugal Casting Process of Paraffin-Based Thermoplastic Polymers <u>Masato Davide</u> , <u>Lucchetta Giovanni</u> Italy	OP-S14- 506 Modelling and Optimization of the Cavity Transfer Mixer <u>Grosso Giovanna</u> , Hulsen Martien A., Fard Arash Sarhangi, Overend Andrew, Anderson Patrick D. Netherlands	OP-S13-52 Study on the Fiber Breakage History through a Barrier Structure Screw in Injection Molding <u>Huang Chao-Tsai</u> , Tseng Huan-Chang, Chang Rong-Yeu, Hwang Sheng-Jye - Taiwan	OP-S02-478 Microcapsules of Poly(methyl methacrylate) Containing Epoxy Resin and Multi-Walled Carbon Nanotubes <u>Icduygu Mehmet Galip</u> , <u>Asilturk Meltem</u> , <u>M. Cengiz Altan</u> - USA	OP-S05-514 Artificial Aging and Failure Modes of TPU-Metal Hybrid Composites <u>Puentes Parodi Jaime Alejandro</u> , <u>Kuehnert Ines</u> , <u>Leuteritz Andreas</u> - Germany	OP-S06-267 Molecular insight on the interaction between PLLA and a self-assemble nucleating agent: the mechanism of the crystallization enhancement and the control of the crystalline morphology <u>Li Chunhai</u> - China	OP-S15-591 Use of Antimicrobial Miscanthus x giganteus stem fragment-reinforced polypropylene composites. Influence of a compatibilizer on the isothermal crystallization kinetics parallel <u>Patrick Navard</u> , Girones Jordi, Freire Lionel, Haudin Jean-Marc- France	OP-S07-530 Modeling Devolatilization in Single-Screw and Multi-Screw Extruders <u>Marschik Christian</u> , Löw-Baselli Bernhard, Miethlinger Jürgen - Austria	OP-S10-217 Processability and rheological properties of extensively recycled high density polyethylene (HDPE) <u>Oblak Pavel</u> , <u>Gutierrez Joamin Gonzalez</u> , <u>Zupančič Barbara</u> , <u>Aulova Alexandra</u> , <u>Emri Igor</u> - Slovenia	OP-S17-84 Compression moulding of LFT components with increased quality by variothermal mould technology <u>Hopmann Christian</u> , <u>Beste Christian</u> , <u>Boettcher Arne</u> , <u>Fischer Kai</u> - Germany
03:55-04:15 pm	OP-S01-541 Identification of the temperature-dependent relation between thermo-optical properties and morphology of semi-crystalline thermoplastics for thermoforming process <u>Boztepe Sinan</u> , De Almeida Olivier, Le Maoult Yannick, Schmidt Fabrice France	OP-S14- 517 An Investigation on Dispersion State of Graphene in Polypropylene/Graphite Nanocomposite with Extensional Flow Mixing <u>Matsumoto Koki</u> , Nakade Yoji, Sugimoto Keita, Tanaka Tatsuya- Japan	OP-S13-119 Modular Technological Inserts for Injection Molding Machines <u>Schneider Dorothea</u> , <u>Schüpbach Kurt</u> , <u>Reichert Volker</u> - Germany	OP-S02-481 Improvement of the Mechanical and Electrical Properties of Technical Thermoplastics by Utilizing 2nd Generation Layered Silicates <u>Altstädt Volker</u> , <u>Breu Josef</u> - Germany	OP-S05-552 A new understand on the formation mechanism of bimodal polymer foams by a two-step depressurization process <u>Li Cong</u> , <u>Feng Lianfang</u> , <u>Gu Xueping</u> , <u>Zhang Cailiang</u> , <u>Hu Guohua</u> - China/France	OP-S06-292 Properties And Processing Of Pla/Ether-Amide Copolymer Blends <u>Heuzey Marie-Claude</u> , <u>Huneault Michel</u> , <u>Jauzein Thibault Henri</u> - Canada	OP-S15-212 Study of poly (lactic acid casting film process: structure-process relationship <u>Houichi Hikmet</u> -France/Tunisia	OP-S07-602 Numerical simulation of the filling phase in the micro injection molding process for a three dimensional micro gear. <u>Karim Saidi</u> , <u>Elotmani Rabie</u> , <u>Monkade Mohamed</u> , <u>Kandoussi Khalid</u> , <u>Chhiti Younes</u> , <u>Amrani Hicham</u> -Morocco	OP-S10-788 Humidity Controlled Rheology for the Study of Polymers <u>Führer Roman</u> , <u>Läger Jörg</u> , <u>Arnold Gunther</u> - Germany	OP-S17-777 Mechanical, electrical, dielectric and thermal property of Polyvinylidene fluoride (PVDF)/Conducting Carbon Black (CCB) and Poly(vinylidene fluoride-cohexafluoropropylene) (PVDF-HFP)/(CCB) composites <u>Ram Ranvijai</u> , <u>Khastgir Dipak</u> - India

OP-S01-218 Effect of PET moisture content during ISBM bottle formation <u>Nixon James</u> UK	OP-S14-563 A New Sample Preparation Method to Investigate Melting Phenomena within a Partly Filled Melting Zone Of Co-Rotating Twin Screw Extruders Schar Kim Jacqueline, Westhues Tobias, <u>Frauke Reinders</u> , Schöppner Volker- Germany	OP-S13-125 Simulation of the Influence of Thermal Properties of the Mould Steel on the Injection Moulding Process <u>Holzer Clemens H.</u> , Lucyshyn Thomas, Des Enffans d'Avernas Lara-Vanessa- Austria	OP-S02-529 Functionally gradient polyvinyl alcohol based nano-hydroxyapatite loaded material for osteochondral defect treatment <u>Ryabenkova Yulia</u> , Pattinson Andrew, Coates Phil, Twigg Peter - UK	OP-S05-665 Icrocellular Foaming of Silicone with CO2 <u>Métivier Thibaud</u> , Cassagnau Philippe, Vanhille Aurélie, Forest Charlène, Martin Gregory - France	OP-S06-293 A New Biobased Polyol That Can Be An Alternative To Castor Oil In Polymer Formulations Omonov Tolibjon S., Kharraz Ereddad, Grushcow Jack, <u>Curtis Jonathan</u> - Canada	OP-S15-357 Numerical And Morphological Studies Of Polymer Micro Gear In Micro Injection Molding Process <u>Rabie El Otmani</u> , Kamal Musa, Derdouri Salim, Boutaous Mhamed - Morocco	OP-S07-571 Assessing A Completely Digital Component Design Of Short Glass Fibre Reinforced Composite Injection Mouldings <u>Caton-Rose Fin</u> , Hine Peter-UK	OP-S10-438 In Situ Conductivity Measurement During Extensional Deformation Of HIPS Filled With Carbon Nanotubes <u>Marcourt Marjorie</u> , Fulchiron René, Cassagnau Philippe, Rousseaux Dimitri, Lhost Olivier- France	OP-S17-551 Analysis of the State of Tension at the Bonding Area Between Components of a Full Thermoplastic Hybrid Composite <u>Giusti Ruggero</u> , Lucchetta Giovanni - Italy
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04:15-04:35 pm

04:35-04:50 pm Coffee Break. Room: Exhibit and poster Hall-Forum 2

OP-S13-100 Melt Processed and Self-reinforced Ultrahigh Molecular Weight Polyethylene Used for Total Joint Replacement Huang Yan-Fei, <u>Xu Jia-Zhuang</u> , Li Zhong-Ming - China	OP-S02-681 Effect of Carbon Nano Tube (CNT) on PA/PE base Shape memory alloy <u>Mehranpour Milad</u> , Mohammadi Seyed Ali, Ghasemi Ismail - Iran	OP-S05-761 Effects of saturation temperature/pressure on melting behavior and cell structure of expanded polyethylene bead <u>Guo Peng</u> , Xu Yaohui, Lu Mingfu, Zhang Shijun- China	OP-S06-368 Blends Based on Branched Biodegradable Functional Polymers with Controlled Macromolecular Design and Functionality <u>Belkhir Kedafi</u> , Jegat Corinne, Taha Mohamed- France	OP-S15-630 Confined Crystallization of PLLA in Nanolayered Films Nassar Samira Fernandes, <u>Stoclet Gregory</u> , Guinault Alain, Sollogoub Cyrille, Delpouve Nicolas, Domenek Sandra - France	OP-S17-332 Some New Results in Optimal Fluid Infiltration in a Flexible Permeable Substrate Moving Past a Rigid Cylinder Polychronopoulos <u>Nickolas D.</u> , Papathanasiou T. D. - Greece
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04:50-05:10pm

OP-S13-518 Assembly injection molding of hard-soft material composites: Processing and adhesive strength test <u>Kuehnert Ines</u> , Zimmermann Martin - Germany	OP-S05-427 Preparation and Properties of Low Density Polyethylene-Activated Carbon Composite foams Jariyakun Kotchaporn, Pomrawan Thongchai, <u>Aussawasathien Darunee</u> , Hrimchum Kittipong, Yeetsorn Rungsima, Prissanaroon-Ouajai Walaiporn - Thailand	OP-S06-351 Modelling Of The Fiber Morphology Changes During The Preparation Of Polypropylene-Lignocellulosic Fiber Composites By Twin Screw Extrusion Berzin Françoise, Beaugrand Johnny, Dobosz Simon, di Giuseppe Erika, <u>Vergnes Bruno</u> - France	OP-S15-335 Structural recovery mechanism of multi-walled carbon nanotube in a simple shear flow Ghiassinejad Sina, Ranjbar Behnaz, Katbab Ali Asghar, Hosseinpour Ali, <u>Nazockdast Hossein</u> - Iran	OP-S17-188 Preparation and Selective Laser Sintering of PA11/TiBaO3 Piezoelectric Composite Powders <u>Chen Ning</u> , Qi Fangwei, Wang Qi - China
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05:10-05:30 pm

OP-S13-765 Design and Fabrication of Injection Mold Using Gypsum <u>Lin Chung-Chih</u> , Lee Bean-Yin, Chen Jenn-Yih, Lee Guo-How - Taiwan	OP-S05-557 Effect of processing conditions on the cell morphology distribution in foamed injection molded PLA samples Volpe Valentina, De Filitto Martina, Klofacova Vera, De Santis Felice, <u>Pantani Roberto</u> Italy/ Czech	OP-S06-384 Shape memory performances of thermoplastic polyurethane/polycaprolactone multilayer materials Zheng Yu, <u>Shen Jiabin</u> , Guo Shaoyun - China
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05:30-05:50 pm

05:50-08:00 pm Free time for visit of Lyon - Cf. Social Program

Banquet Party , Brasserie George , 30, Cours de Verdun, 69002 LYON Perrache. 08:00pm-11:00pm

Thursday, July 28, 2016

Chair : Ica Manas-Zloczower									
Plenary Lecture 6 : (Morand Lambla Award Pleanary Lecture): Dynamically Cross-linked Thermoplastic Elastomers: Pros and Cons of Various Cross-linking Routes-(Kinsuk Naskar-India Room: Auditorium Lumière)									
Room Change									
Room	Rhone 1	Rhone 2	St Clair 1a	Rhone 3a	Rhone 3b	Auditorium Pasteur	St Clair 2	Rhone 4	St Clair 3a
	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9
08:00-08:45 am									
08:45-08:50 am									
08:50-12:35 pm	Injection Molding and Molds	Elastomers and Thermoplastic elastomers	Fibers, Films, and Membranes	Nanocomposites and filled Polymers	Process Modelling and simulation	Biopolymers and polymers for renewable resources	Special S: Recycling, Plastic Solutions for Eco-Conception	Morphology and Structure Development	Special S: Additive Manufacturing for Plastic components
Chair	Avraam I. Isayev	Liqun Zhang	Takeshi Kikutani	Samuel Kenig	Jean-François Agassant	Luc Avérous	Kim Ragaert	Eric Baer	Manfred Schmidt
08:50-09:20 am	<p>KN-S13-448 PEEK crystallisation phases analysis in microinjection moulding <u>Tuinea-Bobe Cristina Luminita, Xia Hesheng, Liu Yan, Whiteside Ben R, Coates Phil D, Fei Guoxia - UK</u></p>	<p>KN-S11-520 Improved dispersion of carbon black in rubber compounds for manufacturing low rolling resistance tires <u>Jana Sadhan C., Raut Prasad, Swanson Nicole, Pugh Coleen - USA</u></p>	<p>KN-S12-15 PVOH Based Barrier Coatings: A Matter of Interface Silverwood Richard James, Ballen Claudia Yaneth, Tabatabaei Seyed Hesamoddin, <u>Ajji Abdellah - Canada</u></p>	<p>KN-S02-750 Toughening Polymers with Functionalize Graphene Oxide <u>Macosko Chris - USA</u></p>	<p>KN-S07-669 Process Modeling of Flow and Heat Transfer in Thermoset Pultrusion <u>Simacek Pavel, Sas Hatice, Advani Suresh - USA</u></p>		<p>KN-S16-196 Decrosslinking Of Peroxide Crosslinked Hdpe Using Ultrasonic Twin Screw Extrusion: Simulation And Experiment <u>Isavev Avraam I. -USA</u></p>	<p>KN-S15-97 Measuring and Modelling Multiple Phases & Multiple Morphologies in Isotactic Polypropylene <u>Peters Gerrit W.M., Roozemond Peter- Netherlands,</u></p>	<p>KN-S18-269 Crosslinking of Laser Sintered Polyamide 12 and Polyethylene Parts <u>Wegner Andreas - Germany</u></p>
09:20-09:40 am	<p>OP-S13-158 Characterization of the Welding of Thermoplastic Sheathing of Offshore Pipelines <u>Aris-Brosou Margaux, Agassant Jean-François, Billon Noëlle, Vincent Michel, Hoffmann Philippe, Popineau Sylvain - France</u></p>	<p>OP-S11-31 Secondary Crystallization and Aging in Ethylene-Based Carboxylic Acid Ionomers <u>Grady Brian- USA</u></p>	<p>OP-S12-282 Hydrophilization of electrospun mats by blending with amphiphilic PEO-PPO-PEO copolymers <u>Kurusu Rafael, Demarquette Nicole - Canada</u></p>	<p>OP-S02-629 Properties of polymer /CNC nanocomposites <u>Carreau Pierre J - Canada</u></p>	<p>OP-S07-633 3D Viscoelastic Flow with Free and Moving Boundaries Using a Stabilized Finite Element Method <u>Rao Rekha R, Hariprasad Daniel, Ortiz Weston, Secor Robert, Schunk P. Randall- USA</u></p>	<p>OP-S06-459 Reinforcement of Thermoplastic Protein Using Polymorphs of Titanium dioxide <u>Verbeek Johan, Khanna Jai, Bier Jim - NewZealand</u></p>	<p>OP-S16-134 Green composite materials with enhanced stiffness and impact resistance <u>Oguz Oguzhan, Menciloglu Yusuf Ziya- Turkey</u></p>	<p>OP-S15-60 Structure construction of amorphous polymer at long time region and their mechanical properties. Oda Naoto, Nakano Ryoko, Sekiguchi Hiroshi, <u>Yao Shigeru- Japan</u></p>	<p>OP-S18-20 Nanomanufacturing Processes for Printed Polymer Structures <u>Mead Joey, Barry Carol - USA</u></p>

09:40-10:00 am	OP-S13-178 Molecular Orientation and Residual Stresses Impact on Optical Properties of Plastic Lenses Koch Michael, Schneidmadel Stefan , Qin Xiang - Germany	OP-S11-104 Structure- Property Relationship in Ethylene Octene Copolymer (EOC) - Polydimethyl Siloxane (PDMS) based TPEs for cable insulation applications R Padmanabhan , Naskar Kinsuk, Nando Golok- India	OP-S12-297 Multi-scale simulation for melt spinning process - Analysis of entanglement and orientation Sato Takeshi , Taniguchi Takashi - Japan	OP-S02-592 Electrical Conductivity and Crystallization Behavior of Polypropylene in the Presence of Supercritical Carbon Dioxide and Multiwalled Carbon Nanotubes Kazemi Yasamin, Kakroodi Adel Ramezani, Wang Sai, Ameli Aboutaleb, Filleter Tobin, Park Chul B - Canada	OP-S07-696 Experimental characterisation and identification of elastic-viscoplastic polymer properties used in hot embossing process CHENG Gang, Barrière Thierry , Gelin Jean-Claude, Sahli Mohamed- France	OP-S06-120 The effects of morphological manipulations on the characteristics of polylactic acid (PLA)/nanofibrillar nylon-6 blends Ramezani Kakroodi Adel , Kazemi Yasamin, Ding Weidan, Ameli Aboutaleb, Park Chul - Canada/USA	OP-S16-202 Graphene nanosheets: a promising multifunctional antioxidant to improve the thermo-oxidative stability of isotactic polypropylene Li Guangxian , Huang Yajiang, Yang Junlong, Liu Shixiang, Zhao Jincan - China	OP-S15-408 Linear and Branched Polybutylene Succinate Blends for Packaging Applications: From Rheological Behavior to Functional Properties of Films Bourg Violette , Jenny Patrick, Le Moigne Nicolas , Guillard Valérie, Bergeret Anne - France	OP-S18-23 Quality Improvement of FDM Parts by Parameter Optimization Knoop Frederick , Kloke Agnes, Schoepner Volker - Germany
	OP-S13-195 Unusual Tiger-striped Flow Mark Patterns Appeared in Injection Moldings of Polypropylene/Talc Compounds Maeda Shuichi - Japan	OP-S11-740 A comparison of melt and solution mixing on the dispersion of carbon nanotubes in a styrene-isoprene-styrene block copolymer Santos João Paulo Ferreira , Melo Guilherme Henrique França, Nascimento Cassia, Bretas Rosario Elida Suman - Brazil	OP-S12-306 Structure and properties of melt-spun fibers of polyethylene blended with cellulose fibers Sekiguchi Yuta, Takarada Wataru, Kikutani Takeshi - Japan	OP-S02-594 Dielectric Properties of PC/PVDF/MWCNT nanocomposites: Effect of Nanoparticle Localization Ahmadi Hamid, Hosseini Seyed mohammad, Javadi Azizeh , Nazockdast Hossein - Iran	OP-S07-704 Prediction of Cross-Sectional Shape at Die Exit on Film Casting Process by Viscoelastic Flow Simulation Tanoue Shuichi , Uematsu Hideyuki, Iemoto Yoshiyuki- Japan	OP-S06-566 Synthesis of thermoreversible and biodegradable polyglycolic-acid-based networks Mhiri Sirine , Mignard Nathalie, Abidi Majdi, Abid Souhir, Taha Mohamed - France/Tunisia	OP-S16-257 Manufacturing and characterization of thermoplastic composite of hemp shives and recycled expanded polystyrene Almusawi Aqil Mousa , Lachat Remy, Atcholi Kokou Esso, Tie Bi Salima - France	OP-S15-278 SECA: A novel method to use the crystallization behavior for investigation of the thermal short time stability of semicrystalline polymers Schawe Jürgen E.K. - Switzerland	OP-S18-91 FDM Bond Strength: Experiments and Simulations Based on Healing Models Coogan Timothy J. , Kazmer David - USA

10:20-10:35 am **Coffee Break. Room: Exhibit and poster Hall-Forum 2**

10:35-10:55 am	OP-S13-240 Taking into account normal stresses during simulation of thermoplastic injection molding Bakharev Alexander , Ray Shishir, Costa Franco, Astbury David, Speight Russell- Australia	OP-S11-420 The Adhesion of LSR Polycarbonate Composites after Various Secondary Treatment Processes Rüppel Annette , Hartung Michael, Giesen Ralf-Urs, Heim Hans-Peter- Germany	OP-S12-502 Melt spinning of modified PP and PP/EOC blends prepared by continuous electron induced reactive processing Al Rahhal Samer, Brüning Harald , Gohs Uwe, Heinrich Gert - Germany	OP-S02-603 Melt mixing functionalized graphite nanoplates into PC/SAN blends Paiva Maria C , Cunha Eunice P, Voigt Oliver, Liebscher Marco, Simon Frank, Pionteck Jurgen, Pötschke Petra- Germany	OP-S07-718 Modeling and characterization of Bush aircraft tire ELIAS-BIREMBAUX L. Hélène , Arif Nadia, ROSU Iulian, LEBON Frédéric-France	OP-S06-644 Cellulose aerogels and cryogels: structure-properties correlations Buchtová Nela, Bouvard Jean-Luc, Pradille Christophe, Budtova Tatiana - France	OP-S16-388 Adsorption Mechanisms of Emulsified Crude Oil Droplets onto Hydrophilic Open-Cell Polymer Foams Cherukupally Pavani , Hinestroza Juan P, Farnood Ramin, Bilton Amy M, Park Chul B - Canada	KN-S15-608 Orientation of nanolayers and crystalline lamellae in blown films of PP-clay nanocomposites Ren Weijie , Jayaraman Krishnamurthy - USA (30min)	OP-S18-176 Insights into the development of a short fiber reinforced polypropylene for laser sintering Kleijnen Rob , Sesseg Jens, Schmid Manfred, Wegener Konrad- Switzerland
	OP-S13-248 Effects of different mould coatings on polymer filling flow in thin-wall injection moulding Sorgato Marco , Masato Davide, Lucchetta Giovanni - Italy	OP-S11-193 Characterization of the Temperature Profile during Dosing of Different Rubber Compounds under Steady State Conditions by Means of a Specially Designed Screw Test Stand Kerschbaumer Roman Christopher , Lechner Bernhard, Friesenbichler Walter- Austria	OP-S12-559 A new process to convert proton exchange membranes into high performances and reliable hybrid membranes for fuel cell Cosas Fernandes Joao Paulo, Gonon Laurent , Mareau Vincent, Mendil-Jakani Hakima - France	OP-S02-609 Multiwalled Carbon Nanotubes Based Polypropylene Composites: Role of Interfacial Interaction Bhattacharyya Arup R. , Parija Suchitra - Australia	OP-S07-616 A Computational Study of the Rheology and Structure of Surfactant or Co-Polymer Covered Droplets Maia Joao , Boromand Arman- USA	OP-S06-627 Modification of Isolated Microcrystalline Cellulose from Sugarcane Bagasse to Water-Soluble Sulfonated Cellulose Manuspiya Hathaikarn , Thiangtham Satita- Thailand	OP-S16-742 Recycled plastic boxes of automotive batteries: effect of the reprocessing number on the mechanical properties Tavares Beatriz, FRESSATO DAYANNY C. F., Leão Alcides L, Chaves Marcia R.M. - Brazil		OP-S18-254 Viscoelastic modelling of gas pore collapse during polymer sintering Alig Ingo , Wohlgemuth Florian - Germany

10:55-11:15 am

11:15-11:35 am	<p>OP-S13-417 The Influence of Polymer Viscoelasticity on the Optical Features during an Optical Lens Development <u>Lin Gwo-Geng - Chao-Tsai Huang</u> Taiwan</p>	<p>OP-S11-310 The Effect of Lipid Absorption on the Mechanical Properties of Poly(Styrene-Block-Isobutylene-Block-Styrene) For Use In Biomedical Applications <u>Damley-Strnad Alexandra</u>, Fittipaldi Mauro, Morales Brigitte, Grace Landon - USA</p>	<p>OP-S12-510 Design of nanoscale polymeric building blocks for high efficiency separation processes <u>Jana Sadhan C.</u>, Kim Sung Jun C., Gu Senlong C., Rajgarhia Stuti C. USA</p>	<p>OP-S02-622 Effect of different mineral fillers on rheological and mechanical properties of Poly(lactide/Poly(methyl methacrylate) blends <u>Gonzalez Mauricio</u>, Shahbikian Shant, <u>Huneault Michel A</u> - Canada</p>	<p>OP-S07-614 Evaluation of Melt Cooling Prediction and Determination of HTC Values for Microinjection Moulding <u>Babenko Maksims</u>- UK</p>	<p>OP-S06-640 Synthesis of new drug-phosphorus dendrimer conjugates and their evaluation as anticancer agents <u>El Kazzouli Saïd</u>, El Brahmî Nabil, Mignani Serge, Cresteil Thierry, Bousmina Mosto, Majoral Jean-Pierre- Morocco</p>	<p>OP-S15-304 Enhanced thermal conductivity of oriented boron nitride/polymer composites prepared through multistage stretching extrusion <u>Zhang Xiaomeng</u>, Zhang Jiajia, Wu Hong, Guo Shaoyun- China</p>	<p>OP-S18-338 Screening methodology for the identification of new polymers for Laser Sintering <u>Verbelen Leander</u>, Van Puyvelde Peter- Belgium</p>
11:35am-11:55 am	<p>OP-S13-421 The Influence of the Process Parameters in Multi-Component Injection Molding on the Composite Adhesion of the Material Combination PA6 with Self-Adhesive Liquid Silicone Rubber (LSR) <u>Hartung Michael</u>, Heim Hans-Peter, Giesen Ralf-Urs - Germany</p>	<p>OP-S11-437 Impact Of Fillers/Matrix Coupling On Rheological Behavior Of Silica/Rubber Nanocomposites <u>Yrieix Marie</u>, Majesté Jean-Charles, Doméjean Hugo, Valtier Michel - France</p>		<p>OP-S02-612 Reinforcing a Poly(ethylene oxide) using Nanocrystalline Cellulose : dispersion of the filler in a melt process <u>Gassiot-Talabot Alix</u>, Desse Melinda, Sanchez Jean-Yves, Carrot Christian - France</p>	<p>OP-S07-252 On The Numerical Thermo-rheological-kinetical modeling Of Fibre-reinforced Composites <u>Salazar Betancourt Luis Fernando</u>, Laure Patrice, Silva Luisa, Sager Mustafa - France</p>	<p>OP-S06-365 Preparation and Characterization of PLA-grafted-TiO /PLA Nanocomposite Films with Enhanced Microstructure, Photodegradability and Antibacterial Properties, for Food Packaging Applications <u>Rabiei Tabriz Kamand</u>, Katbab Ali Asghar- Iran</p>	<p>OP-S15-92 The Effect of Injection Moulding Temperature on PET Particles/Fibrils in PP/PET Blends and MFCs <u>Kuzmanovic Maja</u>, Delva Laurens, Ragaert Kim, Cardon Ludwig- Belgium</p>	<p>OP-S18-631 Highly filled self-assembled nanocomposites containing Layered Double Hydroxides (LDH) nanoparticles Larocca Nelson Marcos, <u>Pessan Luiz Antonio</u> - Brazil</p>
11:55-12:15 pm	<p>OP-S13-259 Morphology and electrical properties of injection-molded PP carbon-based nanocomposites <u>Zaccone Marta</u>, Armentano Ilaria, Cesano Federico, Scarano Domenica, Cravanzola Sara, Frache Alberto, Monti Marco- Italy</p>			<p>OP-S02-577 Twin-screw extrusion of Cellulose NanoCrystals (CNC) and poly(ethylene) after dispersion of CNC in poly(ethylene glycol) : Effects of PEO/CNC content on rheological, mechanical and thermal properties of these ternary blends. <u>Sliwa Fabien</u>, <u>Leonardi Frédéric</u>, Mercader Célia, Andre Sandrine, Charman Maxime- France</p>	<p>OP-S07-85 Novel Approach for Modeling the Dynamics of Fiber Breakage in Polymer Matrix Composites during Capillary Extrusion <u>Sporleder Federico</u>, Carella José M., Dorao Carlos A., <u>Lidueña Leandro N.</u> - Argentina</p>	<p>OP-S06-546 Enhanced gas barrier properties due to confinement of PLLA obtained by the nanolayer coextrusion process <u>Fernandes Nassar Samira</u>, Delpouve Nicolas, Guinault Alain, Sollogoub Cyrille, Domenek Sandra - France</p>	<p>OP-S15-618 Fatigue crack propagation behavior of simultaneously toughened and electrically conductive epoxy composites <u>Bakis Gökhan</u>, Brückner Alexander, Zeiler Rico, Deutges Holger, Altstädt Volker- Germany</p>	
12:15-12:35 pm	<p>OP-S13-424 Investigation of the two-dimensional shape of caverns viewed in the context of electroplating quality demands using image analysis <u>Siepmann Jens Peter</u>, Wortberg Johannes, Heinzler Felix Alexander- Germany</p>							

12:35 -02:00 pm

Lunch Break- Joint IPP & PPP Board meeting (Only for IPP and PPP Board members, Room: St Clair 3b)

Thursday, July 28, 2016

Chair: Pierre Carreau									
02:00-02:45 pm	Plenary Lecture 7: Miniaturization is a trend but how does it affect the morphology development in immiscible polymer blends during shear flow? Paula Moldenaers (KU Leuven, Belgium) Room: Auditorium Lumière								
02:45-02:50 pm	Room Change								
Room	Rhone 1	Rhone 2	St Clair 1a	Rhone 3a	Rhone 3b	Auditorium Pasteur	St Clair 2	Rhone 4	St Clair 3a
	Session 1	Session 2	Session 3	Session 4	Session 5	Session 6	Session 7	Session 8	Session 9
02:50-06:40 pm	Injection Molding and Molds	Elastomers and Thermoplastic elastomers	Fibers, Films, and Membranes	Nanocomposites and filled Polymers	Polymer Foams and Lightweight structures	Biopolymers and polymers for renewable resources	Special S: Recycling, Plastic Solutions for Eco-Conception	Morphology and Structure Development (Special honoring session of J-M Haudin)	Special S: Additive Manufacturing for Plastic components
Chair	Andrew Hrymak	Uttandaraman Sundararaj	Olivier Lhost	Rahul Gupta	Chris Macosko	Etienne Fleury	Hani Naguib	Roberto Pantani	Qi Wang
02:50-03:10 pm	<p>OP-S13-483 Induction Heating Simulation And Validation For The Plastic Injection Molding Process <u>Kietzmann Clinton</u>, Rigoni Guillaume, Chen Lu, Quilliet Stéphane - Australia</p>	<p>KN-S11-4 Novel Super TPV Based on XNBR Rubber and Polyamide 12 Chatterjee Tuhin, Wiessner Sven, Heinrich Gert, <u>Naskar Kinsuk</u>- India (30min)</p>	<p>KN-S02-289 Polypropylene/Organoclay Based Nanocomposites: Determination of optimal conditions for dispersion Normand Guillaume, Peuvrel-Disdier Edith, <u>Vergnes Bruno</u> - France (30min)</p>	<p>KN-S05-48 The Effect of Melt/Gas Mixture Compressibility on the Cell-Nucleation Behaviors in High-Pressure Foam Injection Molding <u>Shaayegan Vahid</u>, Wang Guilong, <u>Park Chul B.</u> - Canada (30min)</p>	<p>KN-S06-288 Reactive extrusion of poly (lactic acid): Effect of coagent type on the rheological and thermal properties Tiwary Praphulla, Dawidziuk Karolina, Najafi Naqi, <u>Kontopoulou Marianna</u> - Canada (30min)</p>	<p>KN-S16-222 Design from Recycling: Identifying applications for recycled polymers <u>Ragaert Kim</u>, Hubo Sara, Van Damme Nicolas, Veelaert Lore, De Meester Steven, Du Bois Els- Belgium (30min)</p>	<p><i>Chairman introduction of the honoring session</i> KN-S15-454 Morphology and Structure Development during Injection molding with fast mold temperature evolution Speranza Vito, Liparoti Sara, Pantani Roberto, <u>Titomanlio Giuseppe</u> - Italy (30 min)</p>	<p>KN-S18-484 SLS 3D printing of Thermoplastic Polyurethane Carbon Nanotubes Nanocomposites <u>Xia Hesheng</u> - China ((30 min)</p>	
03:10-03:30 pm	<p>OP-S13-468 Investigation of Nanoparticles Emitted When Injection Molding Neat and Additive-filled Polypropylene and Polycarbonate Theriault Matthew, Yoeuth Suzanne, Matar Jessica, Martin John , Bello Dhimiter, <u>Barry Carol</u>- USA</p>								

03:30-03:50 pm	OP-S13-485 Complex Injection Moulded Components - Bridging the Knowledge Gap <u>Meyer Tino</u> , Sherratt Paul, Haworth Barry, Harland Andy, Holmes Chris, Lucas Tim - UK	OP-S11-447 Comparison of filler network related reinforcement contributions in different rubber composites for tire treads <u>Mujtaba Anas</u> , Nagaraja Sriharish Malebennur, Beiner Mario - Germany	OP-S12-507 Effect of Blending High and Low Stereo-regularity Components on Crystallization and Melting Behaviors in the Polypropylene Fibers Kawai Kouya, Takarada Wataru, <u>Kikutani Takeshi</u> - Japan	OP-S02-651 Bio-Based Epoxy Clay Nanocomposites <u>Rigail-Cedeño Andres F</u> , <u>Schmidt Daniel F</u> - USA	OP-S05-28 Reducing Thermal Radiative Conductivity of Polymeric Foams using Expanded Graphite <u>Tran Minh-Phuong</u> , Park Chul, Detrembleur Christophe, Thomassin Jean-Michel, Gong Pengjian, Buahom Piyapong, Saniei Mehdi, Kenig Samuel, Lee Seung-Eon Canada/Belgium/Israel/Korea	OP-S06-656 Use of Antimicrobial Methylcellulose Films During Storage of Salami <u>Turhan Kamile Nazan</u> , Erol Ece - Turkey	OP-S16-270 Efficiency of recycling post-consumer plastic packages and their recycle properties <u>Thoden van Velzen Ulphard</u> , Jansen Michael, Brouwer Marieke, Feil Alexander, Molenveld Karin, Pretz Thomas- Germany	OP-S15-690 Increase of UHMW-PE crystallinity with the addition of naphthenic oil and silica in PE-membranes for battery separator application <u>Toquet Fabien</u> , Cassagnau Philippe, Schlegel Brice, Guy Laurent, Fulchiron René - France	OP-S18-449 Relationships between ABS Copolymer Composition, Filament Quality and 3D Printing Performance in FDM Process <u>Baumann Stéphanie</u> , Eisenträger Frank, Niessner Norbert, Meiners Josef, Schmidt Hans-Werner, Bastian Martin - Germany
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03:50-04:10 pm	OP-S13-457 Effects of Fast Mold Temperature Evolution on Micro Features Replication Quality during Injection Molding Liparoti Sara, Calaan Matteo, Speranza Vito, Tosello Guido, Pantani Roberto, Hansen N. H. , <u>Titomanlio Giuseppe</u> - Italy	OP-S11-469 Novel Silicone Thermoplastic Elastomers With Tailored Permeation Properties <u>Riess Gisbert</u> , Berger Katrin, Kern Wolfgang - Austria	OP-S12-722 Fibrillation mechanism of PLA/PVA blend along the spinline <u>Tran Nguyen Hoai An</u> , Brünig Harald, Auf der Landwehr Maria, Heinrich Gert Germany	OP-S02-557 New insights to produce by tubing extrusion electrically conductive multi-layer fuel lines based on polyamide 612/carbon nanotubes formulations <u>Lison Valérie</u> , Hurtgen Marie, Rul Alicia , De Villepin Cédric, Claes Michaël -Belgium	OP-S05-187 Hysteresis Measurements as a tool to monitor the non-linear mechanical deformation behavior of bead foams during fatigue loading <u>Keller Jan-Hendrik</u> , Altstaedt Volker Germany	OP-S06-723 Biodegradable polyesters reinforced with eucalyptus fiber: effect of reactive agents- Nanthananon Phornwalan, <u>Suttiruengwong Supakij</u> , Seadan Manus, Pivsa-Art Sommai, Hiroyuki Hamada - Thailande/Japan	OP-S16-327 The effect of the compatibilizer SEBS-g-GMA on the blend PP-PET: virgin and recycled materials, Van Kets Karen, <u>Van Damme Nicolas</u> , Delva Laurens, Ragaert Kim - Belgium	OP-S15-754 DMBS-Induced Nucleation Of Isotactic Polypropylene Under High Pressure In Isothermal And Non-Isothermal Conditions Sowinskia Przemyslaw, Piorkowska Ewa, <u>Boyer Severine</u> , Haudin Jean-Marc - France	OP-S18-464 Influence of Temperature on the Flowability of Polymer Powders in Laser Sintering <u>Van den Eynde Michael</u> , Verbelen Leander, Van Puyvelde Peter- Belgium
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04:10-04:30 pm **Coffee Break. Room: Exhibit and poster Hall**

04:30-04:50pm	OP-S13-473 Injection Molding of Micro and Nanostructured Surfaces From Liquid Silicone Rubber De Jesus Vega Marisely, Mead Joey, <u>Barry Carol</u> - USA	OP-S11-498 Influence of Environmental Conditions on Adhesion of Thermoplastic - Liquid Silicone Rubber - Combinations Baumgart Christin, Marl Svenja, <u>Altstädt Volker</u> - Germany	OP-S12-632 Foaming of PC/PMMA membranes with CO2 and ethanol as co-solvent Almeida Ronaldo José, Sene Tarcisio Sanson, <u>Pessan Luiz Antonio</u> - Brazil	OP-S02-701 Melt-mixing preparation and characterization of polycarbonate / boron nitride nanotube nanocomposites <u>Derdouri Abdessalem</u> , Martinez-Rubi Yadienka, Simard Benoit - Canada	OP-S05-242 Physical foam extrusion of polyolefin/cycloolefin copolymer blends <u>Walluch Matthias</u> , Uray Anna, Holzer Clemens, Langecker Günter Rüdiger- Austria	OP-S06-711 The Chitosan Degradation by Ozonator Process to Produce Oligomer Chitosan <u>Savitri Emma</u> , Purwanto Edy - Indonesia	OP-S15-606 Influence of a dispersed elastomeric phase on the orientation of hot-drawn Poly(ethylene Terephthalate) <u>Bourg Violette</u> , Saffar Amir, Aji Abdellah- Canada	OP-S18-465 SLS surfaces: new insights <u>Vetterli Marc</u> , Wegener Konrad, Schmid Manfred - Switzerland
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04:50-05:20 pm	OP-S13-494 Advanced Fiber Orientation Prediction for High Filler Content Short-fiber/Thermoplastic Composites <u>Nguyen Thi Thanh Binh</u> , Yokoyama Atsushi, Hamanaka Senji, Yamashita Katsuhisa, Nonomura Chisato- Japan	OP-S11-578 Relationship between Morphology, Mechanical and Electrical Properties in Structured Elastomers <u>BOITEUX Gisele</u> , Salaeh Subhan Salaeh, Nakason Chaeron, Gain Olivier, Cassagnau Philippe - France	OP-S12-634 Electrospinning of PVAaq solutions with ZnO nanoparticles and antibacterial properties of the electrospun mats <u>Sugimoto Masataka</u> - Japan	OP-S02-713 The rheological and thermal conductivity study on PA/COC blend filled by Boron Nitride Ghahramani Nikoo , Seyed Esfahani Seyed Armin, Mehranpour Milad, <u>Nazockdast Hossein</u> - Iran	OP-S05-244 Welding quality in polymer bead foams: in situ SEM study <u>Gensel Julia</u> , Pawelski Christin, Altstädt Volker Germany	OP-S06-684 Orthogonal synthesis of hyper-branched macromolecular microspheres by fusing classical and onion-peel phosphorus-based dendritic units <u>Katir Nadia</u> -Morocco	OP-S15-576 Thermo-optical characterization of polyester fiber in real time via quantitative cross-polarized optical microscopy Bicalho Luciana Assumpção, Silva Jorge Manoel Jardim, <u>Canevarolo Sebastião Vicente</u> , Brazil	OP-S18-533 New opportunities offered by Freeformer 3D printing process <u>Sébastien Charlon</u> , Soulestin Jeremie, Lacrampe Marie-France, Krawczak Patricia - France
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	<p>OP-S13-515 Micro Injection Molding: Investigation of Interfacial Fracture Behavior Fischer Matthieu, <u>Kuehnert Ines</u> - Germany</p>	<p>OP-S11-678 The Role of Non-planar rings in the hard segments of Polyurethanes: a Multi-scale Investigation <u>Zhang Ruoyu</u>, Zhang Lisheng, Xu Wei, Liu Wei, Zhu Jin - China</p>	<p>OP-S12-753 Aqueous suspensions of graphite nanoplates and polyurethane for films and coatings <u>Paiva Maria C.</u>, Cunha Eunice P., Fernandes Bruna M., Duarte Fernando M. - Portugal</p>	<p>OP-S02-673 How to efficiently Enhance the Thermal Conductivity of Poly(vinylidene fluoride)-based Composites? <u>Wang Yong</u> - China</p>	<p>OP-S05-264 Visual Observation of One-shot Chemical Foaming Process by X-ray Transmission Imaging <u>Tateishi Junichiro</u>, Taniguchi Norihiko, Nishiwaki Tsuyoshi, Sukumaran Sathish K, Sugimoto Masataka - Japan</p>	<p>OP-S06-695 Mechanical and durability properties of soft PVC plasticized by cardanol derivatives Maffezzoli Alfonso, Ferrari Francesca, Velardi Rosario , <u>Greco Antonio</u> Italy</p>		<p>OP-S15-759 Effect of flax fabrics chemical extraction treatments and processing conditions on the microstructure of flax fabrics reinforced thermoset biocomposites <u>Bergeret Anne</u>, Fernandez J. Acera, Testoni G. Apolinario, Le Moigne N., Corn S., Leger R., Ienny P., Haudin J.M., Le Duc A., Lozachmeur M., Bono P.- France</p>	<p>OP-S18-274 Effect of Particle Size on the Properties of Highly-Filled Polymers for Fused Filament Fabrication <u>Kukla Christian</u>, Duretek Ivica, Schuschnigg Stephan, Gonzalez-Gutierrez Joamin, Holzer Clemens - Austria</p>
<p>05:20-05:40 pm</p>									
<p>05:40-06:00 pm</p>	<p>OP-S13-495 Influence of Processing Conditions and Filler Type and on the Crystallinity of PLA Compounds <u>Pacher Gernot Alois</u>, Hutterer Thomas, Berger Gerald Roman, Friesenbichler Walter - Austria</p>	<p>OP-S11-159 Fatigue Behavior of Natural Rubber/ Organoclay Nanocomposites under Uniaxial Cyclic Deformation: Role of Interfacial Compatibilization and Strain Amplitude ebrahimi ali, <u>Katbab Ali Asghar</u>, nazokdast hossein, katbab puya- Iran</p>	<p>OP-S12-336 Extended Additives Performance in Polyethylene Thin Films <u>Rosen-Kligvasser Jasmine</u>, Suckeveriene Ran, Tchoudakov Roza, Narkis Moshe - Israel</p>	<p>OP-S02-731 Effects of dispersant concentration and solution pH on the dispersion of non-covalently modified graphene in aqueous medium: A molecular dynamics simulation study Kulkarni Aditya, Mukhopadhyay Nabaneeta, <u>Bhattacharyya Arup</u>, Panwar Ajay Singh - India</p>	<p>OP-S05-413 Foaming behavior of Novatein and blends with polyethylene compatibilised by maleic anhydride <u>Gavin Chanelle</u>, Lay Mark C., Verbeek Casparus J.R - NewZealand</p>	<p>OP-S06-700 Mechanical Properties of PLA/PCL blend extruded tubes for the bioresorbable stent application <u>Bhati Pooja</u>, Bhatnagar Naresh - India</p>		<p>OP-S15-475 Modeling of the packing stage for semi-crystalline polymers: PVT data and no-flow criteria <u>Vincent Michel</u>, Hondros Vassilis, Haudin Jean-Marc, Ville Laurence, Francois Guillaume- France</p>	<p>OP-S18-360 Investigation of the laser sintering process from the melt side <u>Jarry Thomas</u>, Barrès Claire, Charneau Jean-Yves- France</p>
<p>06:00-06:20 pm</p>	<p>OP-S13-105 Experimental Investigations on the Fibre Length Degradation in Injection Moulds - Moritzer Elmar, <u>Martin Yannick</u> - Germany</p>		<p>OP-S02-747 Coupled electrical-mechanical investigations on polymer composite materials: anisotropy in the conductivity evolution upon mechanical stretching <u>Sergei Anatoli</u>, David Laurent, Boiteux Gisèle, Xu Weiqing - France</p>	<p>OP-S05-445 Simulation of interacting bubbles with multilevel adaptive local refinement <u>Mitriias Christos</u>, Hulsen Martien A., Anderson Patrick D- Netherlands</p>	<p>OP-S06-780 The sol-gel transition and scaling laws for κ-carrageenan in aqueous solution Liu Sijun, <u>Li Lin</u> - Singapore</p>		<p>OP-S15-660 (Education talk) Commercial Plastics: Tertiary Level Education Requirements <u>Edmonds Neil</u>, Plimmer Peter N, McKee John - NewZealand</p>		
<p>06:20-06:40 pm</p>	<p>OP-S13-556 Comparison of mechanical and dimensional properties of polymeric microneedle arrays manufactured by micro-Injection moulding and ultrasound moulding <u>Nair Karthik Jayan</u>, Whiteside Benjamin, Babenko Maksims, Grant Collin , Coates Phil - UK</p>		<p>OP-S02-657 Nanocomposites based on poly(styrene-b-(ethylene-co-butylene)-b-styrene) triblock copolymer and carbon nanotube-graphene nanoplatelet hybrids: Rheological and electrical study Heydarnejad Moghadam Mohammad , Goharpey Fatemeh, <u>Nazockdast Hosein</u>, Kazem Farahzadi Setareh - Iran</p>						

6:30-8:00 pm

Poster Session- Part 2 (Symposia 10-20): Exposition/Forum Posters - Forum 2

Friday, July 29, 2016

Chair : Bhattacharya Sati N.									
08:00-08:45 am	Plenary Lecture 8 (James L. White Innovation Award): New Polymeric Nanolayered Systems by Continuous Co-extrusion – Forced Assembly. Eric Baer (CWRU University, USA). Room : Auditorium Pasteur								
08:45-08:50 am	Room Change								
Room	Rhone 1 Session 1	Rhone 2 Session 2	Rhone 3b Session 3	St Clair 5 Session 4	St Clair 1 Session 5	St Clair 2 Session 6	Rhone 4 Session 7	St Clair 3a Session 8	
08:50-11:30 am	Injection Molding and Molds (1)	Injection Molding and Molds (2)	Polymer Foams and Lightweight structures		Special S: Microtechnology and smart materials	Biopolymers and polymers for renewable resources	Special S: Recycling, Plastic Solutions for Eco-Conception	Process Monitoring, Control and sensors	Special S: Additive Manufacturing for Plastic components
Chair	Pierre G. Lafleur	Michel Vincent	Pierre Carreau		Jin Kon Kim	Yves Grohens	Donald Baird	Didier Delaunay	Hans-J. Radsch
08:50-09:10 am	KN-S13-625 Predicting the fountain flow instability Smit Tim M, Hulsen Martien A, Anderson Patrick D - Netherlands (30min)		KN-S05-333 A New Foam Injection Molding Technology - Use Non-Supercritical Fluids as Physical Blowing Agents- Wang Long, Ohshima Masahiro, Asaoka Fumiya, Yamamoto Satoshi, Goto Hideto, Yusa Atsushi - Japan (30min)		KN-S19-672 Large-Scale R2r Fabrication Of Piezoresistive Films (Ni/Pdms) With Enhanced Through Thickness Electrical And Thermal Properties By Applying A Magnetic Field Cakmak Mukerrem, Chen Yuwei - USA (30min)		KN-S16-406 Recycling Waste Polymer Materials by Solid-State Shear Milling Technology Wang Qi, Bai Shibing, Sun Fasen, Yang Shuangqiao - China (30min)	KN-S08-271 Neck profile geometries in solid phase processing of polymers: indicators of molecular features Coates Phil, Caton-Rose Phil, Spencer Paul, Vgenopoulos Dimitris, Thompson Glen- UK (30min)	KN-S18-590 Simulation of Selective Laser Melting process for thermoplastic powder Regnier Gilles JP- France (30min)
09:10-09:30am					OP-S06-715 Processing of Cassava Pulp to Glucose and Oligosaccharides by Sonication Process Lusiani Cucuk Evi, Ningrum Eva Oktavia, Trisanti Prida Novarita, Sumarno Sumarno- Indonesia				

09:30-09:50 am	<p>OP-S13-572 Fibre Dispersion and Fibre Length Distribution in Long Glass Fibre Reinforced PP Injection Mouldings <u>Gilson Millan-John</u>, Caton-Rose Phillip, Whiteside Ben, Kelly Adrian - UK</p>	<p>KN-S13-677 Experimental Studies and Numerical Simulation of the Foam Injection Molding Process using Gas-counter Pressure Shaayegan Vahid, <u>Park Chul B.</u>, Costa Franco, Han Sejin - Canada (30 min)</p>	<p>OP-S05-467 Natural Unidirectional Sheet Processes for Fibre Reinforced Bioplastics <u>Quali Ahmed-Amine</u>, Rinberg Roman, Nendel Wolfgang, Kroll Lothar, Siegel Carolin, Buchelt Beate, Wagenführ Andre, John Rico, Trommler Katja, Schreiter Katja, Spange Stefan - Germany</p>		<p>OP-S19-472 Compression screws for the fixation of small bones and bone fragments using biocompatible, bioresorbable, body-temperature reverting, plasticised shape memory polymers <u>Thomson Brian</u>, Thompson Glen, Vgenopoulos Dimitris, Nair Karthik , Duncan John, Howell Ken , Martyn Michael, Coates Phillip - UK</p>	<p>OP-S06-734 Electrospun Core-Shell Nanofibers based on Thermoplastic Urethane elastomer and Gelatin: evaluation of cell behavior <u>Jafaie Mahsa</u>, Ali Asghar Katbab - Iran</p>	<p>OP-S16-593 A New Continuous Extensional Flow Mixer for Compounding and Recycling of Complex Polymer Blends <u>Mani Skander</u> - France</p>	<p>OP-S08-175 Compensating viscosity fluctuations in injection moulding Hopmann Christian, <u>Theunissen Matthias</u>, Heinisch Julian- Germany</p>	<p>OP-S18-545 The Influence of PLA Composite Filaments on Molding Product made by Three-dimensional Printing <u>Araki Kunihiro</u>, Hamabe Goshi, Date Keishi, Tanaka Tatsuya - Japan</p>
09:50-10:10 am	<p>OP-S13-698 Knowledge based approach for an automatic rheological optimization of injection molded parts <u>Porsch Alexander</u>, Andrae René, Wortberg Johannes, Koehler Peter - Germany</p>		<p>OP-S05-486 Preparation and characterization of conductive foams based on PBS/carbon nanofibers composites Cafiero Livia, Oliviero Marica, Landi Giovanni, <u>Sorrentino Luigi</u>, Sorrentino Andrea - Italy</p>		<p>OP-S19-585 Conducting polymer hydrogels (CPHs) for electronic skin applications Khalili Nazanin, <u>Naguib Hani</u> , Kwon Roy - Canada</p>	<p>OP-S06-727 Mechanical and Rheological properties of different plasticized poly(lactic acid) grades filled with Talc - Seesorn Janjira , <u>Suttiruangwong Supakij</u>, Seadan Manus, YONG Kok Wee - Thailand/Singapore</p>	<p>OP-S16-623 Upcycling of POM for Catch Springs by Using the Rec2TecPart Process <u>Holzer Clemens H.</u>, Katschnig Matthias, Purgleitner Bianca, Hornitschek Birgit, Höllebauer Andreas, Link Jürgen, Offenberger Ewald, Hierzenberger Peter, Brzezowsky Klaus , Wind Christian , Dobiasovsky Regina, Ruhaltinger Otmar, Ramsl Martin, Daucher Monika - Austria</p>	<p>OP-S08-224 An Approach to Non-Destructive Testing of Aged Polymers <u>Gilmar Heiderich</u>, Moritzer Elmar, Huettner Matthias, Henning Bernd, Webersen Manuel - Germany</p>	<p>OP-S18-560 Multi-Layered Infill Structures in FDM of thermoplastics Hebda <u>Michael James</u>, Caton-Rose Phillip, Whiteside Ben, Coates Phillip - UK</p>
10:10-10:30 am	<p>OP-S13-620 Replication of hierarchical textured surfaces by injection molding: Global approach for the optimization of the replication quality <u>Larochette Mathieu</u>, Brulez Anne-Catherine, Benayoun Stéphane, Vera Julie - France</p>	<p>OP-S13-743 Morphology and mechanical properties of micro-injection molded polymer products Wang Shiwei, <u>Li Qian</u>, Shen Changyu, HU Guohua - France</p>	<p>OP-S05-489 Foaming of model linear and branched polystyrenes Abbasi Mahdi, Faust Lorenz, Riazi Kamran, <u>Wilhelm Manfred</u> - Germany</p>	<p>OP-S19-565 Recovery behaviour of polymers; investigating the influence of material type and processing conditions via micro-injection moulding and die-drawing. <u>Vgenopoulos Dimitrios</u>, Nair Karthik Jayan, Caton-Rose Phil, Whiteside Ben Richard , Coates Phillip David - UK</p>	<p>OP-S06-714 Combination of sonication and hydrothermal for depolymerization of cellulose in ionic liquid pressurized with CO2 and N2 <u>Sumarno Sumarno</u>, Mayangsari Novi Eka, Trisanti Prida Novarita - Indonesia</p>	<p>OP-S16-670 Fabrication of advanced recycling process considered from the perspective of the physical degradation <u>Tominaga Aya</u>, Sekiguchi Hiroshi, Nakano Ryoko, Yao Shigeru, Takatori Eiichi - Japan</p>	<p>OP-S08-235 Online Estimation of Permeability in Resin Transfer Molding Using Parallel-Plate Capacitor Chiu Tzu-Heng, <u>Yao Yuan</u>, Wang Kai-Hong, Qi Wei - Taiwan/China</p>	<p>OP-S18-573 New approaches towards production of polymer powders for selective laser beam melting of polymers <u>Schmidt Jochen</u>, Sachs Marius, Fanselow Stephanie, Wirth Karl-Ernst, Peukert Wolfgang - Germany</p>	

10:30-10:50 am

Coffee Break. Room: Exhibit and poster Hall

10:50-11:10 am

OP-S13-726
Measurement of Fiber Orientation Distribution in Injection-molded Composites with High Filler Content Hamanaka Senji, Yamashita Katsuhisa, Nonomura Chisato, Nguyen Thi Thanh Binh, Yokoyama Atsushi - Japan

OP-S13-588
Designing and producing joining partners for a multi-material design by injection molding Pohl Markus, Stommel Markus - Germany

OP-S05-635
Depressurization and Warpage in Polyurethane Foams Long Kevin N, Roberts Christine Cardinal, Mondy Lisa A, Rao Rekha R - USA

OP-S19-569
Ultrasonic injection moulding: morphology and mechanical properties Whiteside Ben, Babenko Maksims, Tuinea-Bobe Cristina, Brown Elaine, Coates Phil - UK

OP-S06-776
Fabrication of Multiple-Layered Vascular Scaffolds by Hybrid Electrospinning, Braiding, and Thermally Induced Phase Separation Methods - Mia Hao-Yang Mia, Jing Xin, Yu Emily, Peng Xiang-Fang, Turng Lih-Sheng - China

OP-S08-783
Swelling And Drying Process In Ionic Hydrogels For Low And High pH Using Fluorescence Technique AKTAS Demet - Turkey

OP-S18-699
Process Monitoring by Thermography during Fused Deposition Modeling Traxler Gerhard, Koepplmayr Thomas - Austria

11:10-11:30 am

OP-S13-655
Adhesion In Overmolding Applications Khataavkar Vinayak, Seitz Michelle, Bulters Markus - Netherlands

OP-S05-461
Laser Transmission Welding of Foamed Thermoplastic Injection Moulded Parts Hopmann Christian, Kreimeier Suveni, Schoengart Maximilian - Germany

OP-S19-693
Hybrid core shell electrospun nanofibers of poly(vinylidene fluoride)/polyaniline with barium titanate and nitrogen doped carbon nanotubes Santos João Paulo Ferreira, Melo Guilherme Henrique França, Arjmand Mohammad, Sundararaj Uttandaraman, Bretas Rosario Elida Suman - Canada

OP-S06-767
Guar gum/poly(ionic liquid)/ionic liquid hybrid ionogels: rheology, morphology and ionic transport Zhang Biao, Serghei Anatoli, Sudre Guillaume, Bernard Julien, Fleury Etienne, Charlot Aurélie - France

OP-S08-558
On the exploitation of optical signal from Raman spectroscopy for in situ monitoring macro and molecular parameters of emulsion polymerizations Dropsit Elise, Chapron David, Bourson Patrice, Hoppe Sandrine, Durand Alain - France

OP-S18-251
3D Printing Of Maize Protein By Fused Deposition Modeling Chaunier Laurent, Leroy Eric, Della Valle Guy, Dalgalarondo Michèle, Bakan Bénédicte, Marion Didier, Madec Baptiste, Lourdin Denis - France

11:30-11:50 am

OP-S05-504
Double percolation effect on electric and thermal conductivity of the carbon foams derived from phenolic resin and mesophase pitch Go Eun Park, Song Seung A, Kim Seong Su - Korea

11:50-12:10 pm

Closing Ceremony: Auditorium Pasteur