

7:30 - 8:30	WELCOMING RECEPTION					
8:30 - 8:40	OPENING CEREMONY					
CHAIR	Prof. Uttandaraman Sundararaj					
8:40 - 9:35	Prof. G.W.M. Peters					
	PLENARY LECTURE: Crystallization Kinetics of Semi-Crystalline Polymers: from Processing to Properties					
LECTURE HALL	Persian Gulf Meeting Hall	Avicenna Meeting Hall	Razi Meeting Hall	Kharazmi Meeting Hall	Abu Reyhan Meeting Hall	Mollasadra Meeting Hall
SYMPOSIUM	Polymer Nanocomposites	Morphology and Microstructure Development	Rheology and Rheometry	Fibers, Films and Membranes	Bio Polymers and Polymers from Renewable Resources	Process Modeling and Simulation
CHAIR	M. Kokabi	A. R. Bhattacharyya	A. A. Yousefi	A.T. Talaie	H. Mirzadeh	M. Rafizadeh
9:40 - 10	KN-1-1 KEYNOTE LECTURE Ali Aaghar Katbab	OP-10-147 Yasser Zare, Hamid Garmabi, Farhad Sharif Nonisothermal Crystallization and Melting Behavior of PP/Nanoclay/CaCO3 Ternary Nanocomposite	OP-17-492 Sangeeta S. Metkar and Bhagwan F. Jogi Study of rheological behavior and viscometric measurement of sodium carboxy methyl cellulose (CMC)	KN-6-2 KEYNOTE LECTURE Takeshi Kikutani	KN-12-3 KEYNOTE LECTURE Bo Nyström	KN-13-4 KEYNOTE LECTURE Jalil Morshedian
10 - 10:20	Smart electrically conductive nano composites and their applications in pressure and bio sensors	OP-10-139 Reza Jahanmardi, Homa Assempour Effects of 7-hydroxycoumarin on thermal and thermo-oxidative stabilities of LLDPE	OP-17-239 Mohammad Bagher Sadeghi, Ahmad Ramazani Saadat Abadi, Vahid Taghikhani, Cyrus Ghotbi Rheological Study of Heavy Crude Oils and Their Emulsions	Modification of Melt Spinning Process for the Preparation of High-performance Fibers	Adsorption of Various Amphiphilic Polymers and Copolymers onto Planar and Curved Gold and Silver Surfaces.	Peroxide Modification of Molecular Structure of Linear Polyethylene: Rheology and Modeling
10:20 - 10:40	COFFEE BREAK					
CHAIR	M. Hemmati	J. Morshedian	A. Haghtalab	Gh. Khanbabaie	A. Kazemi	M.H. R. Ghoreyshi
10:40 - 11	OP-1-226 Hojjat Mahi Hassanabadi, Denis Rodrigue Effect of nano-particles on the recovery of polymer nano-composites in the melt state	OP-17-1007 F. Safdari Shadloo, D. Bagheri Asl, H. Nazockdast the Role of Nanoclay on Processability and Mechanical Properties of TPV Systems	OP-17-899 A. Rostami, H. Nazockdast, M. Karimi, M. N. Abdollahpur, A. Naeimabadi A comparative study on capability of rheological and thermodynamic approaches in predicting the core-shell morphology of ternary blend systems	OP-6-378 Yoshihiro Yamashita, Haruka Ano, Katsuhisa Tokumitsu and Kenji Kikuchi Characteristic of Nano fiber and application to water treatment	OP-12-266 Zeinab Karami, Payam Zahedi, Iraj Rezaeian, Parvin Mahdavian Preparation and Properties of Tetracycline Hydrochloride Loaded Electrospun PLA/PCL Nanofibers for Wound Dressing	OP-13-271 Maryam Farahi, Mahdi Salami Hosseini, Reza Yegani, Elham Shokri Simulation of polymer-diluent flow field in spinneret in fabrication of hollow fiber membrane via thermally induced phase separation method
11 - 11:20	OP-1-1020 M. Samadi Amin, A. Z. Moshfegh, A. Pourjavadi The effect of annealing environment on the growth of electrospun ZnO-CNT nanofibers	OP-10-721 R. Lesan-Khosh, R. Bagheri and S. Asgari Nanoindentation of Isotactic Polypropylene: Correlations between Hardness, Yield Stress, and Modulus on the Local and Global Scales	OP-17-930 Mahdi Abbasi, Nadereh Golshan Ebrahimi, Manfred Wilhelm Detection of Long Chain Branching Topology in Polyethylene Using Linear Viscoelasticity, LAOS and FT-Rheology Analysis	OP-6-945 A. Bigdeli, H. Nazockdast, A.S. Rashidi, M.E. Yazdanshenas The Influence of Nanoclay Partitioning on Microstructural Properties and Fibrillation Process in PP/PBT/Nanoclay Blend Nanocomposite Fibers	OP-12-566 Farzad Yousefi Gharebaghi, Azadeh Timnak, Seyed Hajir Bahrami Fabrication of a biopolymer fibrous scaffold for nerve tissue engineering	OP-13-532 Ali Haghghat Mesbahi, Morteza Sadeghi, Dariush Semnani Preliminary results of gas permeation modeling into polymeric membrane by computational intelligence
11:20 - 11:40	OP-1-948 G.R. Pircheraghi, H. Nazockdast, M.M. Salehi Effect of nanoclay surface modifier chemical reactivity on the morphology and the rheological properties of the PP/PA6 blend nanocomposite	OP-10-847 Zeinab Javidi, Hossein Nazockdast, Amir Rostami, Mohammad Karimi The Role of Thermodynamic Parameters and Mixing Kinetics in Determining the Morphology of Nanosilica Containing Ternary Blends: with Emphasize on Core-Shell Morphology	OP-17-999 Esmaeel Moghimi, Fatemeh Goharpey and Reza Foudazi Rheological Behavior of Immiscible Polymer Blends Stabilized by Hydrophobic Calcium Carbonate Particles	OP-6-493 Jamal Seyyed Monfared Zanjani, Mehdi Rafizadeh, Faramarz Afshar Taromi Investigation of Parameters Effects on Electrospinning of Poly(Ethylene Terephthalate) Nanofiber	OP-12-838 Solmaz Eskandarian, Mehdi Esfandyari-Manesh, Rassoul Dinarvand, Tahere Sadat Jafarzadeh Kashi Preparation of a Thermally Reversible Gelation Polymer Containing Ciprofloxacin-PLGA Nanoparticles for Local Delivery of Antibiotics	OP-13-951 Hanieh Nassiri, Hassan Arabi, Shokoufeh Hakim Modeling of Propylene Polymerization Kinetics over Heterogeneous Ziegler-Natta Catalyst
	OP-1-243 A. Nasr esfahani, A.A. Katbab	OP-10-372 Hassan Ebadi-Dehaghani, Mohammad-Hassan Vakili	OP-17-816 P. Kiani, B. Ranjbar	OP-6-185 Fatemeh Hakkak, Mehdi Rafizadeh, Ali Asghar Sarabi	OP-12-596 Diba Behnoudfar, Susan Dadbin, Masoud Frounchi	OP-13-527 V.Solouki, A.Javani, M.Rafizadeh

11:40 - 12	Piezoresistive PP/EPDM thermoplastic vulcanizate nanocomposites based on nanographite / nanoclay hybrid	A Study on the Crystallization and Thermal Conductivity of Zinc Oxide (ZnO) Nanoparticle Filled Polypropylene	The Role of Nano Silica on Rheological Properties and Morphology Development of PP/PBT Blend	Morphology and Electrochemical Properties of Electrospun Polymer Electrolyte Based on PVdF/PAN Blend for Lithium Polymer Battery: Effects of Blend Composition, Voltage and Solution Concentration	Preparation and characterization of PLA microspheres embedded within PVA hydrogels and their drug release behavior	Modeling and Simulating of Straight Section of Jet Flow in Electrospinning Process: Using Non-Newtonian Behavior
12 - 12:20	OP-1-1034 T. Samaei Yekta, M. Pouradam, S. M. Kasirha, A. A. Sarabi Effect of nanoclay on mechanical performance of epoxy siloxane hybrid coatings	OP-10-189 M. Mazidi, M. Ghias, S. Khaje Fractal Characteristics of Phase Separation Morphology	OP-17-955 S. Malmir, M. Hemmati, M.K. Razavi Aghjeh and R. Ahmadi Tehrani Application of Rheology on Evaluating of the Morphology of PA/PE/Clay Blend Nanocomposites	OP-6-354 Mohsen Gorji, A.A.A. Jeddi, A.A. Gareh Agaji The effect of electrospinning duration on some physical and mechanical properties of Polyurethane Electrospun nano web	OP-12-488 Azadehsadat Hashemi Doulabi, Hamid Mirzadeh, Mohammad Imani Biodegradable Polyethylene Glycol Fumarate/Chitosan Blend Films	OP-13-815 Amir Afshar , Mahdi Salami Hosseini The effect of different flow fields on particle size distribution (PSD) in suspensions using modified population balance/DEM
12:20 - 13:40	LUNCH					
CHAIR	Prof. G.W.M. Peters					
13:40 - 14:35	Prof. Patrick Anderson					
	PLENARY LECTURE: Analysis and Optimization of Mixing inside Intermeshing Co-Rotating Twin- Screw Extruders					
CHAIR	R. Bagheri OP-1-894	G. W. M. Peters OP-10-194	A. Ramazani Saadatabadi OP-17-813	T. Kikutani KN-6-6	B. Nyström KN-12-7	F. sharif KN-13-8
14:40 - 15	A. Mozaffari, A.A.Katbab, H. Nazockdast Study of static and dynamic ozone resistivity and microstructure of Styrene-Butadiene-Rubber (SBR)/ organoclay/ EPDM-g-MAH nanocomposites	R. Mehrabi Kooshki, I. Ghasemi, M. Karrabi, H. Azizi Morphology and Dynamic Viscoelastic Properties of PC/PBT/Nanocomposites	Abbas Sheikh, Farhad Sharif Application of CONNFESSIT approach to study temperature effect on flow behavior of dilute polymer solutions	KEYNOTE LECTURE A.T. Talaie	KEYNOTE LECTURE E. Vasheghani	KEYNOTE LECTURE Mir Hamid Reza Ghoreishi
15 - 15:20	OP-1-218 Abdolhossein Fereidoon, Lia Mottahedin, M. Mohammad Zamani The Effect of Carbon Nanotube Aspect Ratio on Reinforcement Efficiency in Nanocomposites	OP-10-146 Yasser Zare, Hamid Garmabi Prediction of Tensile Modulus of PP/Nanoclay/CaCO3 Ternary Nanocomposite	OP-17-888 Masood Khabazian Esfahani, Nadereh Golshan Ebrahim, Mahdi Abbasi, Mahdi Nadali The Effects of Miscibility on the Dynamic and Uniaxial Viscosity ofHDPE/LDPE Blends	Adding intelligence to smart polymeric films and membranes by a simple Artificial intelligence integration: A Novel mechatronics/Chmetronics Polymeric approach	Recent developments in production of polyhydroxyalkanoates	Non-Isothermal Simulation of Polymeric Fluids Flow and Residence Time Distribution in Co-rotating Twin Screw Extruders
15:20 - 15:40	OP-1-680 Babak Kaffashi, Sepideh Azarmgin Thermal stability and flame retardancy of synthesized halloysite nanotubes (HNT)/ethylene propylene diene monomer (EPDM) nanocomposites	OP-10-798 S. N. Sheikholeslami, H.Shirali, N. Heidarzadeh, M. Rafizadeh, F. A. Taromi Effect of Glycol Length on the Thermal Properties of Polyesters: PET, PTT, PBT Case Studies	OP-17-896 Mahdi Nadali, Nadereh Golshan Ebrahimi, Mahdi Abbasi, Masood Khabazian Esfahani Uniaxial Extensional Behavior of Ziegler-atta High Density Polyethylenes	OP-6-640 Raziyeh Mohammadpour, Mehdi Rafizadeh Study of Electrospinning Process: Effect of Viscosity on Morphology of Electrospun PAN/ MWNTs Nanofibers	OP-12-178 Hossein Izadi Vasafi, Gity Mir Mohamad Sadeghi, Hamid Garmabi Investigation of Effective Reaction Parameters on the Molecular Weight of Hydroxylated Polylactic Acid (PLA-OH) by HNMR Spectroscopy	OP-13-523 Mojtaba Bagheri-Jaghargh, Mir Hamid Reza Ghoreishi, Ghasem Naderi, Sedigheh Soltani Flow simulation of fiber reinforced rubber compounds through axisymmetric dies in extrusion process
15:40 - 16	COFFEE BREAK					
CHAIR	M. K. Razavi	H. Garmabi	N. Golshanebrahimi - F. Goharpey	M. Johari	E. Vasheghani	M. Parvazinia
16 - 16:20	OP-1-368 Ali Sharif-pakdaman, Jalil Morshedian, Yousef Jahani Morphological study of polyamide-6/silane-grafted-high density polyethylene/nanoclay ternary nanocomposites	OP-10-57 SamanMahdavi, Mostafa Rezaei Fracture behavior and morphology of PMMA-organoclay nanocomposite bone cement	OP-17-954 M. Sharif, M.K. Razavi Aghjeh, M.A. Moieni and M. Salami Hosseini Linear and Nonlinear Viscoelastic Properties of PE/ PP/ PS Ternary Blends	OP-6-341 Sepehr Talebian, Maryam Hatami, Saeed Bazgir Fabrication of Silica Nanofibers via Electrospinning/Post Thermal Treatment	OP-12-914 Erfan Dashtimoghdam Characterization of a novel in-situ gelling thermosensitive composite hydrogel based on chitosan and poly (vinyl pyrrolidone)	OP-13-444 M. Ghatarband, M. Ghiass Dynamic Modeling of Spinodal Decomposition Phase Separation Kinetics in Asymmetric Polymer Blends
16:20 - 16:40	OP-1-715 Ahmad Allahbakhsh, Farhad Sharif, Saeedeh Mazinani, Mohammad reza Kalae, Mohsen Moazzami Gudarzi Enhanced mechanical and rheological properties of EPDM/graphite oxide nanosheet nanocomposite	OP-10-818 S. Roshanravan, H. Garmabi, M. Fashi Investigation on nano structure and mechanical properties of PVC/Nano-Clay/Nano CaCO3 hybrid nanocomposite	OP-17-801 Shahab Zekri ardehani, Gity Mir Mohamad Sadeghi, Hossein Nazockdast Synthesis and Parametric Sensitivity Analysis of PU/Expandable Graphite Nanocomposites by Means of Rheological Approach	OP-6-133 M. Dehghan Niri, M.A. Tavanaie, M. Hatami An Investigation on the Effects of Functionalized Multi-walled Carbon Nanotube on Mechanical and Electrical Properties of PA 6 Nanocomposite Fibers during the Melt Spinning Process	OP-12-690 Mohammadreza Nofar, Wenli Zhu, Chul B. Park, and Jed Randall Effect of Dissolved CO2 on the Crystallization Behavior of PLA with Various D-contents	OP-13-294 A. Fereidoon, S.A.Taheri Macroscopic behavior of Polymer Foams based Micromechanics using Finite Element Method

16:40 - 17	<p>OP-1-855</p> <p>Mehdi Khosravi-Nouri, Nasser Shahtahmassebi, Ebrahim Attaran-Kakhki, Gholamhossein Zohuri</p> <p>Polymer Nanocomposite of Silver-Tin Dioxide Core-Shell Nanoparticles/PVA - Structural Investigation</p>	<p>OP-10-993</p> <p>J. Jeddi, S. Ghanbar, M. Karimi</p> <p>The role of nano clay surface modifier in state of dispersion and morphology development in SAN/EPDM immiscible blends</p>	<p>OP-17-202</p> <p>Mahshid Maroofkhani, Nadereh Golshan Ebrahimi, Mahdi Abbasi</p> <p>Shear Rheology of Blends of a Linear and a Long Chain Branched Polypropylene</p>	<p>OP-6-344</p> <p>M. Salehi Esfandarani, M.S. Johari, R. Amrollahi, M. Karimi</p> <p>Surface Modification of Clay-PAN composite nanofibers</p>	<p>OP-12-785</p> <p>Pouya Katbab, Babak Kaffashi, Aliashgar Katbab, Abbas Abbasi</p> <p>Biopolyemr Nanocomposites with Enhanced Photo catalytic Antimicrobial Activity and Barrier Properties Based on LDPE- nano Tio2/organoclay Hybrid</p>	<p>OP-13-443</p> <p>Abdolhossein Fereidoon, Kazem Reza Kashyzadeh, Shokoofeh Dolati</p> <p>Vibration of Double-Walled Carbon Nanotubes Using Beam Element</p>
17 - 17:20	<p>OP-1-964</p> <p>S. Taheri, H. Nazockdast, E.Nakhlband</p> <p>Effect of MWNT Partitioning on Rheological and Electrical Percolation Threshold of PC/ABS/MWNT Nanocomposites</p>		<p>OP-17-967</p> <p>Mahboubeh Shahnoushi, Fatemeh Goharpey, Hossein Nazokdast</p> <p>Microstructure and Rheological Behavior of EVA/organoclay Based Hot Melt Adhesives.</p>	<p>OP-6-474</p> <p>A. Mansourizadeh and M.R. Vaseghi</p> <p>Effect of spinning parameters on the structure of asymmetric polyvinylidene fluoride hollow fiber membranes</p>	<p>OP-12-1035</p> <p>Mehrdad Hamidi, Amir Azadi, Pedram Rafei, Mohammad Moslehi, Mohammad Nasiri</p> <p>Hydrogel Nanoparticles in Drug Delivery</p>	<p>OP-13-70</p> <p>Mohammad Reza Ghasemi, Hoda Tavakoli, Ali Hekmat Nazemi</p> <p>Modeling and Simulation of Dimethyl Ether Production from Methanol Dehydration by Reactive Distillation</p>
17:20 - 17:40				<p>OP-6-151</p> <p>Farshad Sharbafian, Jalil Morshedian, Yousef Jahani</p> <p>The effect of high-energy electron beam on drawn and undrawn high density polyethylene fibers</p>		
17:40 - 18				<p>OP-6-857</p> <p>Soheil Pilehvar, Saeed Bazgir, Shamim Zargham</p> <p>An investigation of structural changes in modified and oxidized PAN nanofibers using different concentrations of KMnO4 solutions</p>		

CHAIR	Prof. Patrick Anderson					
8 - 8:55	Prof. Uttandaraman Sundararaj					
PLENARY LECTURE: Novel Electrically Conductive Polymeric Nanocomposites for Electromagnetic Shielding Applications						
LECTURE HALL	Persian Gulf Meeting Hall	Avicenna Meeting Hall	Razi Meeting Hall	Kharazmi Meeting Hall	Abu Reyhan Meeting Hall	Mollasadra Meeting Hall
SYMPOSIUM	Polymer Nanocomposites	Morphology and Microstructure Development	Rheology and Rheometry	Fibers, Films and Membranes	Polymerization Process Engineering	Polymer Foams
CHAIR	H. Shariatpanahi	H. Jafari	A. Zadhoush	M. Karimi	F. Afshar	M. Barikani
9 - 9:20	OP-1-836 Ali Naderi, Saeedeh mazinani, Seyed Javad Ahmadi, Rouhollah Arasteh, Majid Sohrabian, Mohamad Reza Kalaei Thermal and ablative properties of nano zirconium dioxide/phenolic resin/carbon fiber nanocomposite	OP-10-1000 A. Mohebbi, M. Deghani, A. Mehrabani-Zeinabad, N. Goodarzian, S. Samie, O. Rastegar Morphology and Flow Behavior of Polystyrene Nanocomposites Prepared by Nano SiO ₂ and Nano TiO ₂ and Investigation of Synergistic Effect of the Nanoparticles on Rheological Behavior	OP-17-692 Mohammadreza Nofar, Mohamad Reza Barzegari, Alireza Tabatabaei, Mehdi Keshtkar, and Chul B. Park Effects of Inorganic Filler Type on the Rheological Properties of Linear Poly lactide	KN-6-9 KEYNOTE LECTURE Petr Saha	KN-19-10 KEYNOTE LECTURE Vahid Hadadi Asl	KN-11-11 KEYNOTE LECTURE Masahiro Ohshima
9:20 - 9:40	OP-1-850 M. Moghanizadeh Ashkezari, M. Kokabi and M. Soleimani The Morphology and Wettability of PDLA/Al ₂ O ₃ Nanocomposite Scaffolds	OP-10-990 H. Tashakori, M. Mehranpour, H. Nazockdast Evaluation of molecular interaction between polypropylene & propylene-butene copolymer by means of thermal analysis.	OP-17-947 Tahereh Hosseini Sianaki , Hossein Nazockdast Effect of Multi-Walled Carbon Nanotube on Micro-phase separation behavior of Thermoplastic Polyurethane by Means of Rheology	CHARACTERIZATION METHODS OF POLYMERIC NANOFIBRES	Application of In-situ polymerization in preparation of polymer nanocomposites	Environmentally-benign polymer foaming - beyond microcellular technology
9:40 - 10	OP-1-884 Sarah Hashemi Astaneh, Fatemeh Goharpey Determination of interfacial tension in PS/PA6/clay nanocomposite by using Breaking Thread Method	OP-10-700 M. M. Abohasani, A. Jalali, H. Nazockdast Effect of blending of carbonyl group containing polymer on crystalline structure of PVDF	OP-17-981 A. Mehravaran and M.K. Razavi Aghjeh Linear and Non-linear Viscoelastic Properties of PE/EVA Blend Nanocomposites	OP-6-585 Noushin Hasanabadi, Mohammad Mahdi Hasani-Sadrabadi, Seyed Reza Ghaffarian Poly (ether sulfone)-based magnetically oriented nanocomposite proton exchange membranes for direct methanol fuel cells	OP-19-756 Hamed Bagheri, Mehdi Nekoomanesh Haghghi, Shokoufeh Hakim, Yousef Jahani, Zhiqiang Fan The Effect of Structural Parameters on the Behavior and Properties of PP/EPR in-reactor Alloy Synthesized by Multi-stage Sequential Polymerization	OP-11-781 R. Bahrami, M. Stumpf, F. Wolff-Fabris, V. Altstadt The foaming behavior of a recyclable styrene-acrylate-copolymer (SACP) in presence of different core-shell particles
10 - 10:20	COFFEE BREAK					
CHAIR	R. Hashemi Motlagh	A. A. Katbab	B. Kaffashi	J. Aalaie	H. Asempour	A. H. Behraves
10:20 - 10:40	OP-1-744 Mahboobe Mohammadi Nasrabadi, Hamid Garmabi An Investigation of the Effects of Layered-silicate on Morphology, Permeability and Mechanical Properties of Polyethylene-based Nanocomposites	OP-10-926 Mojtaba Koosha, Hamid Mirzadeh, Yousef Jahani Shear Creep and Extensional Rheology of Electron Beam Irradiated Polypropylene-co-Ethylene Heterophasic Copolymer	OP-17-340 Mostafa Ahmadi, Mehdi Nekoomanesh, Hassan Arabi The Effects of Structural Dispersities on Linear Viscoelastic Properties of Comb Polymers	OP-6-633 Milad Khoshkam, Morteza Sadeghi, Mehdi Pourafshari Chenar, Mohammad Jalil Namazifard Study of pressure and temperature effects on the gas separation properties of a novel flexible copolyimide membrane	OP-19-524 M. Najafi, M. Salami-Kalajahi, N. Reshad, H. Roughani-Mamaqani, V. Haddadi-Asl A Monte Carlo Study on Variation of Copolymer Composition in Styrene and n-Butyl Acrylate Atom Transfer Radical Copolymerization	OP-11-691 Nemat J. Hossieny, Mohammadreza Nofar, Chul B. Park Effect of Hard Segment Distribution on the Foaming Behavior of Thermoplastic Polyurethane (TPU)
10:40 - 11	OP-1-704 Hesam Askari, Sayed Amin Mirmohammadi, Mohammad Imani, Moahammad Ataei, Hamid Mobedi Polycaprolactone / Polyhedral Oligomeric Silsesquioxane Hybrid Organic/Inorganic Nanocomposites: Mechanical and Nanomechanical Analyses	OP-10-292 Mehdi Esfandiyari-Manesh, Amir Salarian, Mehran Javanbakht, Rassoul Dinarvand, Fatemeh Atyabi Effects of Different Synthesis Conditions on the Morphology of Molecularly Imprinted Nanoparticles	OP-17-699 Nasim Barati, Riyaz Kharrat, Mohammad Zargartalebi Rheological Behavior of Aqueous Polymer Solutions	OP-6-782 Elham Sameti, Monireh Shekari, Morteza Sadeghi, Hemmat Shirvani Membranes for gas separation based on Polyurethane-Zno nanocomposites	OP-19-289 Mehdi Karimi, Ali Nematollahzadeh, Akbar Shojaei, Mohammad J. Abdekhodaie Synthesis of polymeric beads with tunable size and porosity and their application in removal of Cr(VI)	OP-11-240 Elham Rezvanpanah, Seyed Reza Ghaffarian, Mehdi Rafizadeh, Naser Mohammadi Simulation of the Crystallinity Effect on Cell Growth in Semi-Crystalline Microcellular Foams by Solid-State Batch Foaming Process at High Temperature
	OP-1-461 R. Aeinehvand, M. H. Mohammadzadeh, M. M. Gudarzi, F. Sharif	OP-10-976 E. Namdarpour, N. Mostofi	OP-17-539 A. Kaveh, B. Kaffashi, O. Moini Jazani, M.R. Saeb	OP-6-367 Homayoon Hosseinkhanli, Alireza Sharif, Jamal Aalaie, Talat Khalkhali, Mehrdad Shojaei and Farah Sarabi	OP-19-120 Mehdi Salami-Kalajahi, Vahid Haddadi-Asl, Hossein Roghani-Mamaqani, Mahmoud Hemmati, Mohammad Najafi	OP-11-60 Mohammad Valizadeh, Mostafa Rezaei, Alireza Eyvazzadeh

11 - 11:20	Synthesis and Characterization of Aqueous Processable Polyaniline (PANI)/Graphene Hybrids as Potential Source of Transparent Conductive Materials	The Evaluation of Nanoclay Distribution in PC/ABS/Nanoclay Blend Nanocomposites via Rheology	Study on the effect of remodification of MWCNT on the rheological properties of epoxy/CNT composites	Rheological, Mechanical, and Oxygen Barrier Properties of Polymer/layered Silicate Nanocomposite Films based upon PE and EVA	Properties of PMMA/Silica Nanocomposites Prepared via In situ Free Radical Polymerization	Thermal conductivity, microstructure and mechanical properties of rigid polyurethane /clay nanocomposite foams
11:20 - 11:40	OP-1-883 A.A. Katbab, S. Sedighi An Experimental Study to Make a Nanocomposite Based on Silicone and Nano TiO2 and Examining its Antibacterial Properties	OP-10-525 Shahin Akhlaghi, Alireza Sharif, Mohammadreza Kalaei, Ali Nouri and Mohammadreza Manafi On the Phase Inversion Phenomenon in a Feather Keratin/Nylon 6 Blend as Deduced from Atomic Force Microscopy	OP-17-96 Roghayyeh Marefat Seyedlar, Mohammad Atai, Azizollah Nodehi, Mohammad Imani Rheological behavior of an injectable scaffold for bone tissue engineering	OP-6-885 Ali Olad, Fahimeh Farshi Azhar, Jafar Etehad Application of polyaniline nanofibers in electrocatalytic reduction of nitrate ions	OP-19-563 Younes Saadat, Hormoz Eslami, Faramarz Afshar-Taromi Preparation of Polymeric Onion-Like Nanoparticles by Morphology Reconstruction of Polymeric Composite Particles Produced by Seeded Dispersion Polymerization Using Solvent Absorbing-Releasing Method	OP-11-481 Hosein Sharifpour, Mohammad Ako, M.H. N.Famili, Seyed Esmail Zakiyan Heterogeneous nucleation in a continuous foaming of Polystyrene using nanosilica as a nucleating agent
11:40 - 12	OP-1-988 Shima Akbarpoursarabi, Mahmmod Masoomi Evaluation of flow induced nanoparticle orientation in Polypropylene/organoclay nanocomposites films by means of rheological and birefringence techniques	OP-10-154 Saied Mardani, Mostafa Rezaei, Saied Talebi, Mehdi Razzaghi Tribological properties of UHMWPE/HDPE/ MWCNT nanocomposites	OP-17-740 A. Rostami, M. Karimi, Z. Javidi, H. Nazockdast Study on the role of multiwall carbon nanotube (MWNT) on morphology and rheological behavior of PMMA/PS/PP ternary blends	OP-6-845 Mahdi Naghsh, Morteza Sadeghi, Mohammad Mohagheghian Separation of Ethylene/Ethane and Propylene/Propane by Cellulose Acetate-Silica Nanocomposite Membranes	OP-19-689 Amir Jangizehi, S. Reza Ghaffarian Supramolecular polymerization based on polyethylene glycol via self-assembly of quadruple hydrogen bonds	OP-11-196 Mohsen Keramati, Ismail Ghasemi, Mohammad Karrabi, Hamed Azizi Production of Nanocomposite Microcellular Foam Based On PP/EPDM: The Effects of Processing Parameters and Nanoclay Content on Foam Morphology
12 - 12:20	OP-1-943 Mohamad Ali Akbari, Golamhosein Liaghat, Hadi Sabouri, Farhad Halimi An Experimental Investigation of Ballistic Performance of STF-Kevlar Nano Composites	OP-10-536 O.Moini Jazani, A.Arefazar*, S.H.Jafari, M.R.Saeb SEBS-g-MAH Compatibilizer Precursor for PP/PC/SEBS Ternary Systems		OP-6-978 Leyla Noori, Reza Yegani, Mir Karim Razavi Aghjeh, Elham Shokri Fabrication of Melt Blended HDPE/EVA Microporous Flat Sheet Membranes via TIPS Method	OP-19-755 Parisa Salarizadeh, Mahdi Abdollahi, Mehran Javanbakht, Fatemeh Rekabdar Synthesis and characterization of sulfonated polymer- modified silica nanoparticles via surface-initiated free radical polymerization	OP-11-684 Hamed Ahmadi, Gholamhossein Liaghat, Emad Bidkhori Effect of volume fraction on the impact properties of hollow particle filled polymers
12:20 - 13:40	LUNCH					
CHAIR	Prof. Takeshi Kikutani					
13:40 - 14:35	Prof. Evan Mitsoulis					
PLENARY LECTURE: Polymer Processing in 2011: Where Do We Stand?A Simulation Point of View						
SYMPOSIUM	Polymer Nanocomposites	Polymer Blends and Alloys	Polymer Composites	Fibers, Films and Membranes	Polymerization Process Engineering	Polymer Foams
CHAIR	M. K. Razavi	M. frounchi	M. Akbarian	R. Bagheri	S. Pourmahdian	M. Ohshima
14:40 - 15	OP-1-467 K. Mahdavi Javid, B. Shirkavand Hadavand, M. Gharagozlu Mechanical and Electrical Conductivity Properties of MWNT/Epoxy Polysulfide Nanocomposite	KN-9-12 KEYNOTE LECTURE A. R. Bhattacharyya	KN-4-13 KEYNOTE LECTURE M. H. Beheshti	OP-6-392 Farhad Sadeghi Multilayer Nylon/Clay Nanocomposite Film: Properties and Effect of Uniaxial Stretching	KN-19-14 KEYNOTE LECTURE Robert Burford	OP-11-875 Goolia Nikravan, Alireza Foroozani, Ghodrattollah Hashemi Motlagh Enhanced Electrical Conductivity in Polystyrene Nanocomposites via Foaming
15 - 15:20	OP-1-131 Marjan Farnam, Nasrin Sheikh, Naghmeh Fazeli, Farah Khoylou Effect of gamma radiation on mechanical properties of polypropylene nanocomposites	Dispersion of Carbon Nanotubes in Binary Polymer Blends	Thermoset Prepregs From Science to Technology	OP-6-572 Mina Hadi, Masoud Frounchi Preparation and characterization of PVDF magnetic nanocomposite films	The use of conventional, gamma and click routes in combination with sol gel chemistry to prepare polymer titania hybrids.	OP-11-664 Mohammad Saeed Enayati, M.H. N.Famili Production of Open-celled Microcellular Foam for Producing Polymeric Membrane
	OP-1-935 F. Hejazi, A.A. Katbab	OP-9-820 Arthur N Wilkinson, Shahab Kashani Rahimi, Onanong Cheerarot	OP-4-576 M.J. Khoshgoftar and G.H. Liaghat	OP-6-876 M.Ranjbar, M. Sabetzadeh	OP-19-471 Mohammadreza Khabbazianpour, Saeed Pourmahdian, Hormoz Eslami	OP-11-605 Ehsan Mehravar, Farhang Abbasi, Kyumars Jalili, Mostafa Rezaei

15:20 - 15:40	Graphitized nanodiamond based PP/EPDM TPO composites with improved tribodynamic properties	The combined effects of a polymeric compatibiliser and nanoparticles on structure development and properties of polymer blends	Finite element evaluation of projectile curvature radius effect in ballistic perforation in polymer composite materials	Study on the Mechano-Optical behavior of LDPE/Ethylene Vinyl Acetate/Nanoclay nanocomposites for packaging film applications	Influence of Nanoparticles on the Thermal Properties, Morphology and Particle Size Distribution of Latexes Synthesized via Inverse Pickering Emulsion	Expansion Characteristics of Expandable Styrene/Methyl Methacrylate Copolymer Beads: The Effects of Molecular Weight and Particle Size Distribution
15:40 - 16	COFFEE BREAK					
SYMPOSIUM	POLYMER NANOCOMPOSITES	Polymer Blends and Alloys	Polymer Composites	Injection Molding and Molds	Polymerization Process Engineering	Polymer Foams
CHAIR	S. Mazinani	A. Arefazar	A. Shojai	N. Famili	M. Abdollahi	A. Nalbandi
16 - 16:20	OP-1-173 Maryam Sabetzadeh, Rouhollah Bagheri, Mahmood Masoomi	OP-9-508 A. Abolhasanzade, M. Paykary, S.M. kassirha, D. Zaarei, I. Danaee	OP-4-58 Naser Tavassoli, Hamed ganjgahi, Maryam arabsarhangi	OP-7-641 Kisslinger T., Hirner M., Lucyshyn T., Langecker G.R., Holzer C.H.	OP-19-985 Ebrahim Ahmadi, Zahra Mohamadnia, Mehdi Nekoomanesh Haghighi, Babak Bozorgi, Peyman Bigdeli	OP-11-53 Hamid Reza Azimi, Mostafa Rezaei, Farhang Abasi
	Preparation and Properties of LDPE-Thermoplastic Corn Starch-OMMT Nanocomposites for Packaging Applications	Comprehensive mechanical evaluation of carbon black/polyurethane nanocomposite coating compounded through ultrasonication method	Numerical investigation of the effect of different poly angles on crashworthiness behavior of composite hat-shape energy absorbers	EXINMOLD - a design support software for injection mold makers	Preparation of Hexene-Ethylene Copolymers by the In Situ Copolymerization of Ethylene with Chromium trimerization Catalyst and Cp2(Ind)2ZrCl2	The effect of foam processing conditions on the foaming dynamics of MMA-St copolymer
16:20 - 16:40	OP-1-987 Soroush Davoudizadeh, Naser Sharifi Sanjani and Alireza Farazin	OP-9-551 N. Sedaghat, S.H. Jafari, M.R. Kalae, M.R. Peymanfar, M.R. Khabbazianpour, M. Dadgar	OP-4-924 M. Ansari, M. Golzar , P. Ghabezi, A.H. Behravesht	OP-7-738 Hadi Hosseinzadeh, Saeed Kazemivand, Karim Shelesh-Nezhad	OP-19-880 Gholam-Reza Nejabat, Mehdi Nekoomanesh, Hamid Salehi, Hasan Arabi, Gholam-Hossein Zohuri, Mojtaba Omidvar, Ali Farhadi	OP-11-188 Mohammad Ako, Seyed Esmaeil Zakiyan, M.H.N. Famili, Hosein Sharifpour
	Preparation of Antimicrobial methyl Methacrylate Polymer Nanocomposites with Surface Modification of clay	Correlation of Morphology and the Thermal-Oxidative Degradation Behavior of PET/NBR/PC Ternary Blends	Investigation of cured shapes of trapezoid corrugated composite skins	The Effects of NanoClay Particles Addition on the Deformation of Polypropylene-Nanoclay Composites	Effect of Co-catalyst Mixtures on the Propylene Polymerization behavior of Bis(2-PhInd)ZrCl2 Catalyst	Use of nucleating agent to enhance cell nucleation in PS-CO2 Foaming system
16:40 - 17	OP-1-589 M. Norouzi, L. Azfarniam, H. Moravvej, M. Soleimani	OP-9-602 Ali Reza Monfared, Azam Jalali-Arani, Naser Mohammadi	OP-4-681 Hamed Ahmadi, Gholamhossein Liaghat, Emad Bidkhori	OP-7-251 Mahdi Massah and Mostafa Keshavarz Moraveji	OP-19-592 Zahra Rafiee and Shadpour Mallakpour	OP-11-377 M. Emami, J. Vlachopoulos, E. Takaacs, M.R Thompson
	Collagen nanofibers and their applications in skin tissue engineering: A Review	Study on Morphology -Rheology of Nanocomposites Based on an Immiscible Rubber Blend and Organoclay	Finite element simulation of high velocity impact on polymeric foam core composite sandwich panels	Simulation of hot runner system effect on injection molding process in compare with cold runner	TiO2-filled polyimide nanocomposite films synthesized by an in situ polymerization process	Rheological Aspects of Rotational Foam Molding
17 - 17:20	OP-1-435 Hedayatollah Sadeghi Ghari, Zahra Shakouri	OP-9-166 Sepideh Gomari, Ismaeil Ghasemi, Mohammad Karrabi, Hamed Azizi	OP-4-103 Saleh Yazdani, GH Rahimi		OP-19-168 Fateme Rekabdar, Mehdi abdollahi, Akbar Varamesh and Ali Gheslslaghi	OP-11-601 Behzad kord
	Natural Rubber Hybride Nanocomposites Reinforced with Swelled Organoclay and nano-Calcium Carbonate	Crystallization and thermal behavior of polyamide 6/ poly(ethylene-co-1-butene)-graft-maleic anhydride/organoclay nanocomposites	Stress Analysis of Grid Cylindrical Composite Shells with Circular Cutout under Axial Compression		Characterization of Ethylene -Propylene -Diene Elastomer Synthesized Using a Vanadium-Based Catalyst	Cell Morphology and Physical-Mechanical Properties of Foamed Wood Plastic Nanocomposite
17:20 - 17:40	OP-1-1001 A. Nejati garayi, M. Beirami, M. Mohammadi, F. Sadeghi moghadam, A. Mohebbi, R. Keshavarz	OP-9-409 M. Hemmati, R. Rafiee, M. Torabi, M. Abdollahi, K. Razavi	OP-4-879 Fateme Arabgol, Mehrdad Kokabi and Ahmad Reza Bahramian		OP-19-807 Majid Kolahdoozan, Razieh Mirsafaei	OP-11-545 Zahra Mohammadian, Taher Azdast, Mostafa Rezaei, Mir Karim Razavi Aghjeh

	Toughening Behavior and Microstructure of Treated Multi-walled Carbon Nanotubes Reinforced Polystyrene and Polystyrene/SBS Composites	Silylation of Organoclay (Cloisite 30B) with trifunctional3-(trimethoxysilyl)propyl methacrylate	The Effect of Clay on the Ablation Behavior of NBR/OMMT Nanocomposites		Effects of Poly(ethylene glycol) Length on Structure and Properties of Novel Poly(amide-ester-ether-imide)s	The Effect of Processing Parameters on the Thermal Conductivity of LDPE/UHMWPE Blend Foams
17:40 - 18			OP-4-773 F. Halimi, M. Golzar, M.H. Beheshty, H. Halimi Bending Failure Behavior of Sandwich Beams Manufactured by Vacuum Infusion Process		OP-19-848 Samira Abdolbaghi, Saeed Pourmahdian, Hormoz Eslami Synthesis and Characterization of Polyacrylamide/MMT Organic/Inorganic Hybrid Hydrogel Particles via Inverse Pickering Emulsion Polymerization	OP-11-892 Marzieh Ebrahimi, Newsha kooshki, Anahita Ashuri, H. nazockdast Effect of organoclay and curing agent on the properties of the LDPE foams
20	BANQUET					

November 17th						
CHAIR	Prof. Petr Saha					
8 - 8:55	Prof. Pierre Carreau					
PLENARY LECTURE: Coalescence in Thermoplastic Polymer Blends						
LECTURE HALL	Persian Gulf Meeting Hall	Avicenna Meeting Hall	Razi Meeting Hall	Kharazmi Meeting Hall	Abu Reyhan Meeting Hall	Mollasadra Meeting Hall
SYMPOSIUM	Applications of Polymers in Petroleum Industries	Polymer Blends and Alloys	Polymer Composites	Miscellaneous	Polymerization Process Engineering	Surface Coatings
CHAIR	M. Abdollahi	M. Mehranpour	M. Esfandeh	A. Abbasian	F. Abbasi	S. Moradian
9 - 9:20	KN-18-15 KEYNOTE LECTURE B. Dabir	OP-9-540 Masoud Tavangar, Mahmood Masoomi Preparation and measurement of antibacterial properties of PET/Chitosan blends	OP-4-761 S. A. Fathi, R. Gouttefarde, F. Wolff Fabris, V. Altstaedt The influence of different core types and finishing options on the shear properties of sandwich structures under static loadings	KN-21-16 KEYNOTE LECTURE Sina Shabestari, Abolfazl kiani, M. Maghazeyi Polypropylene: key trends and word market outlook	OP-19-898 Babak Esmaceli, Jamal Chaouki, Charles Dubois In Situ Polymerization in Supercritical Conditions for Encapsulating Aluminum Nanoparticles by Polyvinylidene Fluoride	KN-20-17 KEYNOTE LECTURE M. Mohseni
	9:20 - 9:40	Asphaltene particle agglomeration	OP-9-742 Samaneh Amirkhani, Azam Jalali-Arani Influence of Rubber Concentration on the Microstructure and Performance Properties of High Cis1,4-Polybutadiene Rubber-Modified Bitumen		OP-4-1036 M. A. Aravand , L. Gorbatikh, S. V. Lomov, I. Verpoest Multiphase epoxy/POM systems in modified carbon fiber reinforced epoxy composites	OP-19-856 Samira Abdolbaghi, Saeed Pourmahdian, Hormoz Eslami The Effect of Different Emulsifiers on the Synthesis of Poly (acrylamide)/MMT Organic/Inorganic Hybrid Hydrogels Particles
9:40 - 10	OP-18-373 Shirin Fanaian, Kaizheng Zhu, Nodar Al-Manasir, Anna-Lena Kjøniksen, and Bo Nyström Influence of Temperature and Salt on the Contraction and Aggregation of Charged and Uncharged Microgels in Aqueous Suspensions	OP-9-941 Mahbobeh Aminjafari, Morteza Sadeghi, Mehdi Entezam, Mohmood Masoomi Rheology and Morphology of ABS/PA6 Immiscible Blends: Interpretation of rheological data with Palierne and Fractional Zener models	OP-4-648 Amir Hossein Behravesh, Fatemeh Alavi, Davoud Karimi Study on optimal parameters of unit cell for predicting Modulus of Elasticity of Wood Plastic Composite	OP-21-1027 R. Jaroszewki Technological Function and Parameters Determining Performance of Tie Layer (Admer)	OP-19-121 Khezrollah Khezri, Vahid Haddadi-Asl, Hossein Roghani-Mamaqani, Mehdi Salami-Kalajahi Reverse Atom Transfer Radical Copolymerization of Styrene and Methyl methacrylate in the presence of Clay Nanolayers in Miniemulsion	OP-20-343 Sara Kheirabadi, Ali Asghar Sarabi, Manouchehr Khorassani Investigation on The Effect of Physical properties on Corrosion Resistance and Adhesion of Latex paints Applied on ferrous substrates
10 - 10:20	COFFEE BREAK					
CHAIR	V.A.Sajjadian	M. Masoumi	M. H. Beheshti	M. Maghazehei	V. Hadadi Asl	S. M. Kasiriha
10:20 - 10:40	OP-18-215 Jamal Aalaie, Marjan Yousefi Viscoelastic Behavior of the Polyacrylamide Nanocomposite Hydrogels for Water Shut-off Applications	OP-9-82 Ali Yadegari, Hamid Salehi-Mobarakeh, Fahimeh Khakzad-Esfahlan Compatibilization and morphology improvement of PA66/HDPE blends by addition of modified EVOH and nanoclay	OP-4-142 P.Ghabezi, M.Golzar , M. Ansari Investigation of Thermal Behavior of Trapezoidal Corrugated Composites	OP-21-1026 M.Mohammadi Global Share of Iranian Petrochemical Products	OP-19-109 Ali Esmailzadeh, Fatemeh Rekabdar, Mina Farahi, Ali Mehdizadeh Mechanical and crystallization analyses of layered silicate polyethylene terephthalate nanocomposites prepared by in situ polymerization	OP-20-946 S.M. Mirabedini, R.R. Farnood, N. Yan, I. Dutil Mechanical and Self- healing Properties of Latex Coatings Containing Ethyl Cellulose-based Core-Shell Microcapsules
10:40 - 11	OP-18-274 A.A. Davoodi, T. Khalkhali, H. Piuos, H. Khanli, M. Hemmati Experimental study of drag reduction in crude oil of an Iranian oil field	OP-9-553 Parisa Saen, Hossein Ali Khonakdar, Azizollah Nodehi, Seyed-Hassan Jafari, Udo Wagenknecht Phase Morphology and Rheology of Polypropylene /Poly (trimethylene terephthalate) /Montmorillonite Nanocomposites	OP-4-477 Seyed Yasser Daryabari, Amir Hossein Behravesh Effect of Wood Content and Foaming agent type on the Microstructure of Injection Molded Microcellular Wood Fiber-HDPE Composites	OP-21-1025 Sung Choi Agricultural Polymeric Films and Functional Additive's System	OP-19-685 Bakhshesh A.R., Torabi Angaji M. Application of process intensification in development of PVC reactor design	OP-20-497 S. Pazokifard, S. M. Mirabedini, M. Esfandeh, S. Farrokhpay Introducing Self-cleaning Property to Acrylic Coatings using Fluorosilane Treated TiO2 Nanoparticles
11 - 11:20	OP-18-249 Khoshniyat A., Sharif A., Hashemi A., Aalaie J. Hemmati M.	OP-9-68 Alireza Sharif, Jamal Aalaie, Homeira Shariatpanahi, Homayoon Hosseinkhanli and Alireza Khoshniyat	OP-4-279 Javad Ehsani Zonuz, Saeed Montakhabi Kalajahi, Karim Shelesh-Nezhad	OP-21-687 Omid koushki	OP-19-647 Vahid Karimkhani, Faramarz Afshar-Taromi, Saeed Pourmahdian, Fatemeh Goharpey, Kihyun Kim, Tahmineh Mahmoudi, Florian J. Stadler, Taihyun Chang, Il Kim	OP-20-28 Hadi Bakhshi, Hamid Yeganeh, Mohammad Ali Shokrgozar, Abbas Yari

	Thermodynamic Investigation of the Stability of Copolymer Grafted Bentonite Nanoclays in an High Salinity Polyelectrolyte	Development of a Compatibilizer-Free Polyethylene/Starch Blend via Solid-State Processing	Effects of Nano-sized Calcium Carbonate on Mechanical and Thermal Properties of Polypropylene/Wood Fiber Nanocomposites	Influence of Processing on Plastic Pipe Failure.	Synthesis and Characterization of Dendritic Polyethylene Nanoparticles with Modulated α -Diimine Pd(II) Catalysts	Synthesis and Characterization of Antibacterial Polyurethanes Coatings from Novel Quaternary Ammonium Functionalized Soybean Oil-Based Polyols
11:20 - 11:40	OP-18-165 Fateme Rekabdar, Mohsen Saffarian, Mahmood Hemmati, Ali Gheslaghi, Abdolhamid Salahi, Ali Ghadimi Experimental investigation and neural network modeling polymeric microfiltration membrane process for industry oily wastewater	OP-9-870 M. Ranjbar, A. Arefazar, Gh.Bakhshandeh Constituting Balance between Stiffness vs. Toughness in PP/SEBS-g-MA/Organoclay Nanocomposites	OP-4-41 Mahdieh Shervin, Mohammad Hosain Beheshty Structure-Property Relationships in Dicyandiamide-cured Epoxy Resins	OP-21-402 Zahedi Ali Reza, Rafizadeh Mehdi A New Application of Off-grade Poly (ethylene terephthalate) via the Partial Glycolysis Method in order to synthesize Maleated PET as a compatibilizer for preparing PET nanocomposites		OP-20-250 M. Rashvand, Z. Ranjbar Preserving anti-corrosion properties of polyurethane based coatings containing nano titania in QUV chamber
11:40 - 12	OP-18-186 A. Gheslaghi, F. Rekabdar, M. Saffarian, M. Hemmati, A. Ghadimi, M. Gheslaghi Pilot-scale plant investigation of blocking mechanism in oily wastewater from refinery processes treatment by polymeric membrane filtration	OP-9-811 A. Javadi, M. Mohammadi, M. Mashayekhi A study on the toughening of PVC/Starch blends by MBS core/shell particles	OP-4-98 M.K. Moghadam, S. Rezanejad, M. Taheri, H. Beirami, S. Shafaie New Investigation on Effect of resin content on electrical and mechanical properties of polymer concrete composites	OP-21-81 Marjan shahmir, Homa Assempour Investigative on the effective site exist in the molecular structure of a lactone compound which accelerate photo-oxidation of PE films in exposure to uv-rays of sun light		OP-20-868 H. Asadi, S. Sanjabi Synthesis and Characterization of silica/epoxy multifunctional nanocomposite coatings prepared by sol-gel process
12 - 12:20	OP-18-6 Mahdi jahedi, Hassan Mahmoodian, E. Vasegh Laboratory Investigation of Gel Polymer Performance in Enhanced Oil Recovery		OP-4-1003 R. Keshavarz, A. Mohebbi, J. Morshedian Study and Comparison of Mechanical and Morphology of Concrete Reinforced with Carbon Fiber and Concrete Reinforced with Treated MWCNTs	OP-21-77 Elaheh Kowsari Synthesis of ZnO/polyaniline nanocomposites by sonochemical method and its photocatalytic		OP-20-858 Azam Rashidzadeh, Ali Olad and Solmaz Valizadeh Novel Polyaniline/Poly (vinyl alcohol)/Clinoptilolite hybrid nanocomposite: Preparation and investigation of its anticorrosive properties
12:20 - 13:40	LUNCH					
LECTURE HALL	Persian Gulf Meeting Hall	Avicenna Meeting Hall	Razi Meeting Hall	Kharazmi Meeting Hall	Abu Reyhan Meeting Hall	Mollasadra Meeting Hall
SYMPOSIUM	Applications of Polymers in Petroleum Industries	Extrusion and Extrusion Processes	Polymer Composites	Mixing, Compounding and Reactive Processing	Rubber Processing	Surface Coatings
CHAIR	J. Aalaie	E. Ghasemi	Zahir Emami	M. Masoumi	Gh. Bakhshandeh	S. K. Gharanjig
13:40 - 14	KN-18-18 KEYNOTE LECTURE Emadi	OP-5-475 C. Kneidinger, K. Liu, G. Zitzenbacher, K.B. Steinbrecher Friction of PP- and PVC- based WPC Bulk Polymers at Screw Surfaces under Processing Conditions	OP-4-92 Majid TabkhPaz Sarabi, Amir Hossein Behravesh, Peyman Shahi and Ehasan Soury Experimental Study on the Effect of Melt Flow Index on Properties of Virgin and Reprocessed Wood-HDPE Composites	OP-8-844 M.M. Salehi, H. Nazoekdast, G.R. Pircheraghi The Role of Organoclay on In-situ Microfibril Formation of Epoxy in Poly(butylene terephthalate) Nanocomposites	OP-2-410 M.R. Pourhossaini, M. Razzaghi Kashani HTPB-Grafted Nano-Silica for Use in SBR Compounds via Solution and Melt Mixing	OP-20-866 Fateme Dolatzadeh, Siamak Moradian, Mohammad Mehdi Jalili Influence of various surface treated nano-silica particles on the optical properties of nanocoatings
14 - 14:20	New trends of polymer applications in petroleum industry	OP-5-18 K. Wilczyński, A. Nastaj, A. Lewandowski, K.J. Wilczyński Composite Modeling vs Screw Pumping Characteristics for Screw Extrusion	OP-4-973 Elham Shokri, Reza Yegani, Mir Karim Razavi Aghjeh, Zahra Godarzi The effect of molecular weight of LLDPE on the structural and operational properties of microporous membranes prepared via TIPS method	OP-8-184 Ali Abbasian, Marzieh Riahinezhad, Shabnam Ezzoddin Rheological Properties of Different Rubber Compounds : Effect of Process Oils	OP-2-287 M. Ahmadi, A. shojaei Investigation of Thermal and Mechanical Properties of NR/SBR Composites Filled with Carbon Blacks and Multiwalled Carbon Nanotube	OP-20-544 M. Yadollahi, H. Bouhendi, M.J. Zohurian-Mehr, K. Kabiri Epoxy bearing acrylate coatings modified by carbon dioxide
	OP-18-329 Masoud Babciaian, Soroor Sharifzadeh, Mohammad Reza Rahimpour, Shadi Hassanajili	OP-5-1008 Afshin Mousavi	OP-4-916 Mohamad Ali Akbari, Golamhosein Liaghat, Hadi Sabouri, Farhad Halimi	OP-8-962 M. Partovi Meran, M.K. Razavi Aghjeh and F. Abbasi	OP-2-970 P. Khoshnoud, A.A. Katbab	OP-20-74 Abbas Yari, Hamid Yeganeh, Hadi Bakhshi

14:20 - 14:40	Experimental study of wettability alteration to gas wetness using fluoroalkylsilanes in gas/condensate reservoirs	Multi component melt-melt texturization as a new approach in development of co-extrusion process	A Simple Analytical Model to Simulate Ballistic Impact onto STF-Fabrics Nano composites	Effect of Blend Composition on Reactive Compatibilization of Ternary PE/PP/PS Blends	The Effects of Mooney Viscosity upon Microstructure and Dynamic Mechanical Properties of EPDM-g-MA Compatibilized NR/Organoclay Nanocomposites	Castor oil based polyurethane coatings with efficient antibacterial function and high biocompatibility via incorporation of glycidyltriethylammonium chloride
14:40 - 15	COFFEE BREAK					
CHAIR	B. Mohajerani	J. Morshedjan	M. H. Beheshti	M. H. R. Ghoreyshi	M. Razaghi Kashani	S. Bastani
15 - 15:20	OP-18-248 M. Sina, K. Nazari, M. Mohammad-Taheri, H. Rahimi Mofrad, M.R. Moradi Performance of Methane Hydrate Formation in the Presence of Low-Dosage Poly (Ethylene Oxide)	OP-5-998 Ali Nazemolboka Jahromi, M. Rahim Vaseghi Jahromi, Arash Sarhangi Fard Three-dimensional flow simulation inside a single screw extruder: study of shear-dependent non-Newtonian fluids	OP-4-573 Moslem Najafi, Seyed Mohammad Reza Khalili, Reza Eslami Farsani Thermal Shock Cycling Effect on Flexural Properties of Phenolic Based Composites Reinforced By Basalt and Carbon Fibers	OP-8-15 Ahmad Nalbandi, Homayon Hossein Khanli Investigation on Physical Property Changes of Polyethylene Gas Pipes Initiated by Incorporation of an Antioxidant Masterbatch	OP-2-1032 Pooria PASBAKHS, Hanafi bin ISMAIL, Ahmad FAUZI MOHD NOOR, Azhar Abu BAKAR Electron beam irradiation of sulphur vulcanized ethylene propylene diene monomer nanocomposites reinforced by halloysite nanotubes	OP-20-485 Manouchehr Khorasan, Shahin Akhlaghi, Zahra Derakhshesh, Bahram Keyvani, Ali Asghar Sabbagh Alvani Kinetic Analysis of Thermal Degradation Process of an Intumescent Flame Retardant Coating
15:20 - 15:40	OP-18-247 Khoshniyat A., Sharif A., Moalemi H., Malmir S., Jarrachian K., Montazeri G., Abbasi H. Wellbore Stability in Shale Formation: Modeling the Effects of Polymers in the Drilling Fluids Formulation	OP-5-827 Taghi Miri and Andrew Ingram PEPTFLOW: A novel method development for visualisation of polymer flow in twin screw extruder systems	OP-4-645 Amir Hossein Behravesh, Fatemeh Alavi Determination of cohesive parameters of wood plastic composite (WPC)	OP-8-971 Samira Fakharzadeh Kermani, Milad Mehranpour Comparative Study of Silane Grafting Efficiency of LDPE, LLDPE and their Blends	OP-2-724 N. Torbati Fard and M. Razzaghi Kashani Application of Grafting Method for Modification of precipitated silica in Rubber Compounds	OP-20-991 Mina Ahani, Marziyeh Khatibzadeh, Mohsen Mohseni Thermodynamic Parameters of Dyeing Compounded Fibre Grade PET using Hyperbranched Polymeric Additive by Disperse Blue 60
15:40 - 16	OP-18-466 Mohammad hossein Sedaghat, Mosayeb Shams Experimental Investigation and Modeling of Polymer Flooding in Fractured Heavy Oil Reservoirs Using Five-Spot Micromodels and UTCHEM Software	OP-5-64 Ehsan Soury, Amir Hossein Behraves, Nathan Jafarian Jam, Alireza Adli An Experimental Investigation of Surface Quality and Defects of Profiles in Wood-Plastic Composite Extrusion Process	OP-4-656 Amir Hossein Monzavi, Hossein Nazockdast, Abou Saeed Rashidi, Laleh Maleknia Study on Morphology, Thermal, Rheological and Mechanical Properties of Polypropylene/MWCNT Nano Composite fiber	OP-8-361 F. Rezaei, A.R. Zahedi, H. Shariat Panahi Optimizing Mixing Conditions in the Dispersion of Polyurethane-matrix Nanocomposites and Its Mechanical Properties	OP-2-893 Mohammad Ali Saranjam, Hossein Holisaz, Maryam Otadi, M. Saeb The Effect of Calcium Carbonate Nanofiller on the Morphology and Mechanical properties of Acrylonitrile Butadiene Rubber(NBR)	OP-20-872 Behzad Shirkavand Hadavand, Farhood Najafi, Zohreh Khoshnevisan Radiation curable polydimethylsiloxane urethane dimethacrylate/MWNT: Mechanical and electrical properties
16 - 16:20	OP-18-1030 M.Hemmati, V.A.Sajjadian, A.V.Hekmatzadeh, H.Shariatpanahi, A.Rezaie Polymer flooding simulation in one of the oil reservoirs in southern Iran					
16:20 - 17	CLOSING CEREMONY					