



**PPS-2009**  
**POLYMER PROCESSING SOCIETY**  
**Larnaca, Cyprus**  
**October 18-21, 2009**

**Tentative Programme**



## Monday, Oct. 19 2009, Morning Session

Time	Golden Bay Ballroom			
08:45-09:00	CONFERENCE OPENING			
09:00-9:45	<b>Plenary Lecture I</b> (244-PL) <i>Dies and Digits - An Historical Perspective of Computational Polymer Processing</i> Roger I. Tanner (University of Sydney, Australia)			
09:45-10:30	Plenary Lecture II			
10:30-11:00	Coffee Break			
Time	Sala 1	Sala 2	Sala 3	Sala 4
11:00-13:00	Rheology and Rheometry	Nano-Structured Materials	Rotational / Blow Molding and Thermoforming	Reactive Processing
11:00-11:40	<b>Keynote Lecture</b> (39-KN) <i>Rheological methods for fingerprinting polyolefin processing behavior</i> S.G. Hatzikiriakos* (UBC, Canada)	<b>Keynote Lecture</b> (52-KN) <i>Effects of the carbon nanotube aspect ratio on the rheological behavior and processability of poly(butylenes terephthalate) based nanocomposites</i> P. Russo*, D. Acierno (U. of Naples, Italy)	<b>Keynote Lecture</b> (154-KN) <i>Towards a fully instrumented thermoforming process</i> T.J. Keaney, P.J. Martin* (Queen's U., Belfast, UK)	<b>Keynote Lecture</b> (28-KN) <i>The effect of nanoclay dispersion level and processing parameters on the mechanical, thermal, and viscoelastic characteristics of TPV prepared by reactive extrusion</i> A. Mirzadeh, P.G. Lafleur, M.R. Kamal, C. Dubois* (Ecole Polytechnique, Montreal, Canada)
11:40-12:00	(66-O) <i>Rheological properties of polymers by microfluidics</i> S. Girardo, E. Mele, R. Cingolani, D. Pisignano* (U. del Salento, Italy)	(115-O) <i>Frequency dependent glass transition temperature of nanocomposites PVC/CNT</i> J. Tomaszewska, K. Skorczewska, T. Sterzynski*, K. Piszczek (PUT, Poznan, Poland)	(48-O) <i>Miniaturization and reliability study of the new developed thermo flow forming (TFF)</i> A. Frick*, A. Rochman, P.J. Martin (Aalen U., Germany)	(24-O) <i>In situ synthesis of titanium dioxide in a molten polypropylene matrix by hydrolysis-condensation reactions in a twin-screw extruder</i> W. Bahloul, V. Bounor-Legare, F. Melis, P. Cassagnau* (U. Lyon, France)
12:00-12:20	(35-O) <i>Measurement of pressure dependent viscosity and its influence on injection moulding simulation</i> C. Holzer*, T. Lucyshyn, W.	(30-O) <i>The structure and physical properties of low-density polyethylene nanocomposites containing spherical silica</i>	(110-O) <i>Analysis of the thermoformability of thermoplastic starch</i> J. Merchan*, C. Hernandez, J. Medina (U. de los Andes, Bogota,	(95-O) <i>Reactive PC/SAN blends with functionalized multiwalled carbon nanotubes</i> M. Herbst, A. Gödel, L. Häußler, P. Pötschke* (IPF, Dresden,



	Friesenbichler, I. Duretek (Univ. Leoben, Austria)	R. Jeziorska, M. Studzinski, B. Swierz-Motysia, M. Zielecka (ICRI, Warsaw, Poland)	Colombia)	Germany)
12:20-12:40	(1-O) <i>Developing pressure depending viscosity and its influence on polymers</i> V. Schöppner*, R. Weddige (U. Paderborn, Germany)	(47-O) <i>Exfoliated polyurethane nanocomposites</i> Z. Ghamsari, G. Mir Mohamad Sadeghi* (Amirkabir U., Tehran, Iran)	(139-O) <i>Modeling of rupture in thermoforming processes</i> H. Hosseini*, B.V. Berdyshev (Abadan U., Iran)	(100-O) <i>Biodegradable hybrid nanocomposites based on poly(<math>\epsilon</math>-caprolactone) containing titanium oxide</i> A. Amorim, G. Botelho, M.M. Silva, A.M. Fonseca, I.C. Neves, R. Nogueira, A.V. Machado* (U. Minho, Portugal)
12:40-13:00	(38-O) <i>A comprehensive experimental study of polytetrafluoroethylene (PTFE) paste extrusion</i> S.G. Hatzikiriakos*, E. Mitsoulis (UBC, Canada)	(101-O) <i>Morphology and crystallization behavior of syndiotactic polypropylene.alumina nanocomposites</i> L.T. Truong*, A. Larsen, B. Holme, F.K. Hansen, J. Roots (SINTEF, Oslo, Norway)	(72-O) <i>Rapid rotational foam molding process</i> R. Pop-Iliev* (UOIT, Oshawa, Canada)	(161-O) <i>Reactive compounding of halogen-free flame retarded polypropylene by in-line electron modification</i> S. Wiessner*, A. Leuteritz, U. Gohs, U. Wagenknecht (Leibniz Inst., Dresden, Germany)
13:00-15:00	<b>Free for Lunch</b>			


**Monday, Oct. 19 2009, Afternoon Session**

Time	Sala 1	Sala 2	Sala 3	Sala 4
15:00-16:40	<b>Rheology and Rheometry</b>	<b>Nano-Structured Materials</b>	<b>Fibers and Films</b>	<b>Foam Processing and Applications</b>
15:00-15:40	<b>Keynote Lecture</b> (4-KN) <i>Rheological behavior of high internal phase emulsions in transient and steady flow regimes</i> M. Camesasca, W. Hartt, I. Manas-Zloczower* (Case Western Reserve, USA)	<b>Keynote Lecture</b> (135-KN) <i>Nanostructured hybrid composites based on high density polyethylene and their simultaneous mechanical and structural characterization by small angle synchrotron X-ray scattering</i> M. Motoviln, N. Stribeck, N. Dencheva, Z. Denchev* (U. Minho, Portugal)	<b>Keynote Lecture</b> (8-KN) <i>Bi-oriented blown film technology: searching for suitable materials and processing conditions</i> O.S. Carneiro*, J.A. Covas, C. Domingues (U. Minho, Portugal)	<b>Keynote Lecture</b> (111-KN) <i>Flexible polyurethane foams with carbon nanotubes for special applications</i> F. Barbosa, H. Vilas Boas, A.G. Araujo, H.O. Louro, F.M. Duarte*, M.C. Paiva (U. Minho, Portugal)
15:40-16:00	(122-O) <i>Rheology investigation of pre-ceramic polymer in fiber spinning process</i> T. Ouyang, L. Gottardo, S. Bernard*, P. Miele, C. Balan (Lyon, France)	(123-O) <i>Polyolefine and surlyn montmorillonite nanocomposites for barrier films</i> D. Merinska*, H. Kubisova (UTB, Zlin, Czech Republic)	(159-O) <i>Simulation of dry spinning for acetone-acetate system changing form a liquid to a solid state</i> G. Li, H. Nakamura, T. Yamada*, K. Tada, H. Kuroda, M. Ohno, H. Matsuoka (Kanazawa U., Ishikawa, Japan)	(46-O) <i>Some effective parameters on properties of segmented polyurethanes</i> M. Sayaf, G. Mir Mohamad Sadeghi* (Amirkabir U., Tehran, Iran)
16:00-16:20	(6-O) <i>Stretching, shearing and solidification with and without colorants</i> R.I. Tanner*, D. LeeWo, F. Qi (U. Sydney, Australia)	(128-O) <i>Silane grafted montmorillonite nanofiller in polypropylene and polyethylene nanocomposites</i> D. Merinska*, H. Kubisova, B. Tsegmid (UTB, Zlin, Czech Republic)	(89-O) <i>Temperature regulating melt spun bi-component textile fibers containing a phase change material in the core</i> B. Hagström (Swerea IVF, Mölndal, Sweden)	(43-O) <i>Optimization of mechanical properties of polypropylene/bagasse foamed composites using response surface method: effect of material parameters</i> S. Ghanbar, H. Garmabi* (Amirkabir U., Tehran, Iran)
16:20-16:40	(75-O) <i>Free volume theory in physical and rheological equation of state</i> L. Halász* (Budapest, Hungary)	(20-O) <i>Rheological evidence of influence of mixing procedures and conditions on the structure and morphology of polyethylene / polyamide/nanoclay blends</i> J. Ville, P. Mederic, J. Huitric, T. Aubry* (U. de Bretagne Occidentale, Brest, France)	(50-O) <i>Study of elongational flow on mechanical properties and oxygen permeability of LLDPE/LDPE/OMMT nanocomposite blown film</i> H. Esfahany*, H. Garmabi (Amirkabir U., Tehran, Iran)	(76-O) <i>Comparison of properties of common and bio-based polyurethane</i> M. Sercer*, P. Raos, M. Rujnic-Sokele (U. Zagreb, Croatia)
16:40-17:00	<b>Coffee Break</b>			



Time	Sala 1	Sala 2	Sala 3	Sala 4
17:00-18:20	<b>Rheology and Rheometry</b>	<b>Nano-Structured Materials</b>	<b>Fibers and Films</b>	<b>Foam Processing and Applications</b>
17:00-17:20	(70-O) <i>A note to the measurement of extensional viscosity using SER universal testing platform with different shapes of polymer samples</i> P. Svrčinová, P. Filip*, A.A. Kharlamov (Acad. Sci., Prague, Czech Republic)	(67-O) <i>Nanostructuring emitting polymers for plastic lasers</i> E. Mele, A. Camposeo, P. Del Carro, F. Di Benedetto, L. Persano, R. Cingolani, D. Pisignano (U. Salento, Lecce, Italy)	(241-O) <i>On-line measurement of birefringence development during sequential biaxial stretching of cyclo olefin copolymer films</i> K. Ikeda, W. Takarada, T. Kikutani* (Tokyo Inst. Tech., Japan)	(131-O) <i>PP-wood flour foams</i> A. Kozłowska, S. Frackowiak, M. Kozłowski* (Wrocław U. Technology, Poland)
17:20-17:40	(120-O) <i>Impact of aspect ratio of carbon nanotubes on the extensional rheology of polyethylene nanocomposites</i> S.H. Abbasi, A.A. Al-Juhani, I.A. Hussein* (KFUPM, Dhahran, Saudi Arabia)	(87-O) <i>Preparation and evaluation of uniform-sized molecularly imprinted nanospheres for carbamazepine prepared by precipitation polymerization</i> M. Javanbakht*, M. Esfandiari, F. Atyabi, A. Mohammadi (Amirkabir U., Tehran, Iran)	(5-O) <i>A constitutive model for semi-crystalline polymer films in finite elastoplastic strains</i> F. Zeng, P. Le Grogneq*, M.F. Lacrampe, P. Krawczak (Ecole des Mines, Douai, France)	(21-O) <i>Innovative foaming system for the production of very low density polypropylene foams</i> G. Breuer, W. Stadlbauer, T. Hofstätter*, B. Duscher (HM, Bad Leonfelden, Austria)
17:40-18:00	(116-O) <i>Linear dynamic viscoelastic properties of SBS block copolymer</i> Z. Daneshfar, F. Goharpey* (Amirkabir U., Tehran, Iran)	(103-O) <i>Biodegradable poly(lactic acid) nanocomposites blown film for packaging application: morphological, viscoelastic and thermal properties</i> S. Singh, A.K. Ghosh*, S.N. Maiti (IIT, New Delhi, India)	(105-O) <i>Investigation of the effects of processing and material parameters on some mechanical and shrink properties of LDPE blown films</i> Z. Sadredini*, Z. Ghamsari, V. Haddadi, M. Habibollahi (Amirkabir U., Tehran, Iran)	(29-O) <i>Supercritical foaming of nanocomposites: role of processing and interfacial properties</i> T.T.V. Ngo, J. Duchet-Rumeau*, J.-F. Gerard (INSA, Lyon, France)
18:00-18:20	(117-O) <i>Correlation of sequence block lengths and degree of randomness with melt rheological properties in PET/PEN blends</i> H.A. Khonakdar*, M. Golriz, S.-H. Jafari, U. Wagenknecht (Amirkabir U., Tehran, Iran)	(151-O) <i>Organic-inorganic hybrid materials based on polyaniline / Y2O3 nanocomposites, preparation in the presence of ionic liquid</i> E. Kowsari* (Amirkabir U., Tehran, Iran)	(56-O) <i>Ion adsorption studies of micro and nano acrylic fibers modified by ethanalamine polyacrylonitrile</i> M. Tabarzadi, M. Abdouss*, M. Javanbakht, A.M. Shoushtary (Amirkabir U., Tehran, Iran)	(53-O) <i>Synthesis of flexible polyurethane nanocomposites foam with organoclay</i> S. Tabandeh, F.A. Taromi*, H. Nazockdast (Amirkabir U., Tehran, Iran)
19:00-21:00	<b>Cocktails and Poster Session</b>			


**Tuesday, Oct. 20 2009, Morning Session**

Time	Sala 1	Sala 2	Sala 3	Sala 4
08:30-10:30	Extrusion, Coating, Joining	Polymer Composites	Morphology and Structure Development	Modeling and Simulation
08:30-9:10	<b>Keynote Lecture</b> (136-KN) <i>Computer simulations and experiments involving barrier screw extruders</i> J. Vlachopoulos*, N. Polychronopoulos (McMaster U., Hamilton, Canada)	<b>Keynote Lecture</b> (31-KN) <i>Development of extrusion techniques for flowable self reinforced polymer composites</i> L. Morgan*, B. Weager, N. Thomas, J. Clarke (NetComposites, Chesterfield, UK)	<b>Keynote Lecture</b> (23-KN) <i>Morphology development in thermoplastic vulcanizates (TPV): dispersion mechanisms of a pre-crosslinked EPDM phase</i> G. Martin, C. Barres, P. Sonntag, N. Garois, P. Cassagnau* (U. Lyon, France)	<b>Keynote Lecture</b> (148-KN) <i>Towards the optimization of free form extrusion</i> S.F. Costa, F.M. Duarte, J.A. Covas* (U. Minho, Guimaraes, Portugal)
09:10-09:30	(9-O) <i>Experimental and theoretical study for starve fed single screw extrusion</i> K. Wilczynski*, A. Nastaj, A. Lewandowski, K.J. Wilczynski (WUT, Warsaw, Poland)	(49-O) <i>Processing and properties of wood-plastic composites made from MDF residues</i> I. Slama, A. Koubaa* (U. Quebec at Abitibi, Canada)	(91-O) <i>Mechanisms of morphology development in PP/EPDM blends during dynamic vulcanization</i> C.F. Antunes, A.V. Machado*, M. Van Duin (U. Minho, Guimaraes, Portugal)	(74-O) <i>Explicit vs implicit numerical implementation of the wall slip boundary condition</i> L.L. Ferras, F.T. Pinho, O.S. Carneiro, J.M. Nobrega* (U. Minho, Guimaraes, Portugal)
09:30-09:50	(32-O) <i>A unified strategy to incorporating nanotubes in twin-screw extrusion processing</i> C.Y. Lew*, H. Xia, C. Dewaghe, T. McNally, J. Castro, M. Claes, F. Luizi (Nanocyl, Sambreville, Belgium)	(54-O) <i>Influence of polymer matrix on properties of luminescent composites</i> M. Kozlowski*, S. Frackowiak, E. Zych, M. Wojtowicz (Wroclaw UT, Poland)	(94-O) <i>Pressure influences on the kinetics of crystallization</i> G. Eder*, P. Hierzenberger, S.A.H. Tabatabaei (JK U., Linz, Austria)	(147-O) <i>Incompressible Poiseuille flows of Newtonian liquids with pressure-dependent viscosity</i> A. Kalogirou, G. Georgiou* (U. Cyprus, Nicosia, Cyprus)
09:50-10:10	(33-O) <i>Selected aspects of coatings production in cellular co-extrusion process</i> T. Garbacz*, T. Klepka (Lublin U., Poland)	(62-O) <i>PC/ABS blends optimized by a hybrid filler system</i> A. Loeffler*, J. Erdmann, S. Ilisch, H.H. Le, H.-J. Radusch (ML U., Halle, Germany)	(109-O) <i>Structural and chemical changes upon thermal ageing of moisture crosslinked ethylene-vinyl-trimethoxysilane copolymer</i> M. Pastorek*, R. Cermak, J. Navratilova, M. Obadal (UTB, Zlin, Czech Republic)	(199-O) <i>Fountain flow analysis of pseudoplastic and viscoplastic materials</i> E. Mitsoulis* (NTUA, Athens, Greece)
10:10-10:30	(113-O) <i>The investigation of the cable top layer with the porous surface</i>	(106-O) <i>Thermal diffusivity of highly filled reprocessed composites of polyolefins with</i>	(19-O) <i>Evaluation of silane grafting in polyethylenes with different molecular structures</i>	(200-O) <i>Simulation of paste extrusion through tapered dies</i> E. Mitsoulis*, S.G. Hatzikiriakos



	T. Klepka*, T. Garbacz (Lublin U., Poland)	CaCO <sub>3</sub> P. Jakubowska*, T. Sterzynski (PUT, Poznan, Poland)	J. Morshedian*, P.M. Hosseinpour (IPPI, Tehran, Iran)	(NTUA, Athens, Greece)
10:30-11:00	<b>Coffee Break</b>			
<b>Time</b>	<b>Sala 1</b>	<b>Sala 2</b>	<b>Sala 3</b>	<b>Sala 4</b>
11:00-13:00	Extrusion, Coating, Joining	Polymer Composites	Morphology and Structure Development	Modeling and Simulation
11:00-11:40	<b>Keynote Lecture</b> (7-KN) <i>The effect of machining inaccuracies on the performance of profile extrusion dies</i> O.S. Carneiro*, J.M. Nóbrega, S.P. Pereira (U. Minho, Guimaraes, Portugal)	<b>Keynote Lecture</b> (132-KN) <i>PLA based blends and composites with starch and natural fibers</i> A. Iwanczuk, A. Kozłowska, M. Kozłowski* (WUT, Wrocław, Poland)	<b>Keynote Lecture</b> (145-KN) <i>Non-isothermal melt- and cold-crystallization kinetics of polylactic acid</i> F. De Santis, R. Pantani, G. Titomanlio* (U. Salerno, Italy)	<b>Keynote Lecture</b> (61-KN) <i>On tensile testing of concentrated suspensions</i> A.N. Alexandrou* (U. Cyprus, Nicosia, Cyprus)
11:40-12:00	(34-O) <i>Coefficient of friction between bulk polymers and different metal surfaces at high pressures</i> C. Kneidinger*, G. Zitzenbacher, A. Koegler (UAU, Wels, Austria)	(134-O) <i>Creep behavior of HDPE/Wood Composites</i> H. Bouafif, A. Koubaa*, P. Perre, A. Cloutier (U. Quebec at Abitibi, Canada)	(157-O) <i>Strain-induced microstructure in amorphous PET during stretching</i> N. Billon* (CEMEF, Sophia-Antipolis, France)	(2-O) <i>Simulation of temperature fields and mass diffusion in contour laser transmission welding processes</i> H. Potente*, D. Bonefeld (U. Paderborn, Germany)
12:00-12:20	(71-O) <i>Microcellular process and its influence on extrudant properties</i> A. Tor (LUT, Lublin, Poland)	(146-O) <i>Functional silica fillers – preparation, characterization and application</i> K. Bula*, T. Jesionowski (PUT, Poznan, Poland)	(55-O) <i>Influence of temperature on mechanical properties of adhesively bonded joints</i> M. Sercer, P. Raos*, J. Stojic (U. Osijek, Slavonski Brod, Croatia)	(36-O) <i>Simulation of stress distribution in the base of PET bottles under different processing conditions</i> B. Demirel*, F. Daver (RMIT, Melbourne, Australia)
12:20-12:40	(237-O) <i>The CO laser welding of polyolefin and fluorocarbon polymers without surface thermal damage assisted by a transparent solid heat sink</i> Y. Kurosaki*, N. Shimizu, K. Satoh (U. Electro-communic'ns, UEC, Tokyo, Japan)	(17-O) <i>Preparation, characterization and performance study of thin film composite membranes: sublayer optimization</i> A. Soroush*, J. Barzin, M. Barikani (IPPI, Tehran, Iran)	(169-O) <i>Impact of processing conditions and shape of moldings on residual stress in injection molded parts</i> P. Postawa*, K. Lubczynska, T. Stachowiak (CUT, Czestochowa, Poland)	(18-O) <i>Influence of thermal material properties on the heating step of pipe belling</i> J.F. Puehringer*, G. Zitzenbacher (UA Univ., Wels, Austria)
12:40-13:00	(140-O) <i>An optimization study on the ultrasonic welding of ABS</i>	(166-O) <i>Wood polymer composites and its mechanical</i>	(60-O) <i>Effects of EPDM Mooney viscosity and content, and</i>	(69-O) <i>A note to the tube theory</i> A.A. Kharlamov*, P. Filip, P.



	<i>and PMMA by Taguchi robust design</i> A. Norouzi*, M. Hamed (U. Tehran, Iran)	<i>and usage properties</i> P. Postawa (CUT, Czestochowa, Poland)	<i>clay/compatibilizer ratio on the morphology-property relationship in the TPO/organoclay nanocomposites</i> E. Hajizadeh, A.A. Katbab* (Amirkabir U., Tehran, Iran)	Svrcinova (Acad. Sci., Prague, Czech Republic)
13:00-15:00	<b>Free for Lunch</b>			


**Tuesday, Oct. 20 2009, Afternoon Session**

Time	Sala 1	Sala 2	Sala 3	Sala 4
15:00-16:40	<b>Injection Molding</b>	<b>Polymer Composites</b>	<b>Elastomers and Elastomer Processing</b>	<b>Process Monitoring, Control, and Sensors</b>
15:00-15:20	<b>Keynote Lecture</b> (121-KN) <i>Visualization analyses of in-mold filling behaviours in pulp injection molding</i> H. Yokoi*, Y. Yamawaki, N. Masuda (U. Tokyo, Japan)	(37-O) <i>The comparison of Kaolin and calcium carbonate effect in PVC composites</i> L. Kovarova, J. Zykova*, V. Cerny, J. Malac (UTB, Zlin, Czech Republic)	<b>Keynote Lecture</b> (3-KN) <i>New insights into the inelasticity of hard-phase reinforced elastomers: sensitivity to molecular structure of copolyurethanes</i> C. Prisacariu*, E. Scortanu, C.P. Buckley (IMC, Iasi, Romania)	<b>Keynote Lecture</b> (12-KN) <i>Model-based inferential sensing of melt flow properties in polymer compounding operations</i> C. Tzoganakis*, S.-H. Zhu, T.A. Duever (U. Waterloo, Canada)
15:20-15:40		(41-O) <i>Effect of silane treated spruce and beech wood flour on glass transition and dynamic fragility in poly(lactic acid)/wood flour composites</i> A. Gregorova*, M. Hrabalova, J.S. Stevanic, L. Salmen, R. Wimmer (UNRALS, Vienna, Austria)		
15:40-16:00	(97-O) <i>Development of high speed rotary runner exchange system and visualization analysis of internal resin flow behavior</i> H. Yokoi, Y. Kanetoh* (U. Tokyo, Japan)	(44-O) <i>Weld line strength in short fiber reinforced PA12 – the role of fiber orientation and testing rate</i> J. Kalus, J.K. Jørgensen* (SINTEF, Oslo, Norway)	(51-O) <i>The effects of carbon-black content and structure on the performance of the natural rubber vulcanizates</i> H. Esfahany*, P. Zahedi, I. Rezaeian (Amirkabir U., Tehran, Iran)	(22-O) <i>Investigation of torque fluctuations in extrusion through monitoring of motor variables</i> C. Abeykoon*, M. McAfee, S. Thompson, K. Li, A.L. Kelly, E.C. Brown (Queen's U., Belfast, UK)
16:00-16:20	(11-O) <i>Surface replication and structural development in thermal micro- and nano-imprinting process</i> Y. Mori, R. Nishino, K. Miyata, A. Watanabe, D. Fukuzawa, K. Tada, H. Ito* (Yamagata U., Japan)	(45-O) <i>Accelerated testing of long term creep resistance of 50% short fiber reinforced PPA</i> J.K. Jørgensen*, J. Kalus (SINTEF, Oslo, Norway)	(162-O) <i>Continuous production of ground tyre rubber based thermoplastic elastomers by reactive twin screw compounding</i> S. Wiessner*, H. Michael, G. Mennig, U. Wagenknecht (CUT, Chemnitz, Germany)	(133-O) <i>Tuning of polypropylene /clay nanocomposites morphology using on-line dielectric characterization technique</i> S. Banerjee, M. Joshi, A.K. Ghosh* (IIT, New Delhi, India)
16:20-16:40	(114-O) <i>Evaluation of characteristics of pulp injection molded products</i> K. Matsuzaka*, H. Miyasita, N.	(130-O) <i>Comparative study: micronized carbonate and montmorillonite in polypropylene matrix</i>	(225-O) <i>Effect of carbon black and organoclay on structure and properties of nanocomposites based on NR/BR blend</i>	(85-O) <i>The development of molecular imprinted polymer fluorescence sensor for the determination of dipyrindamole in</i>



	Masuda, H. Yokoi (U. Tokyo, Japan)	H. Kubisova*, D. Merinska, J. Mikula (UTB, Zlin, Czech Republic)	R. Modaresinejad*, A. Jalali-Arani (Amirkabir U., Tehran, Iran)	<i>human serum and urine</i> M. Javanbakht*, M.H. Namjoomanesh, M. Hosseini, M.R. Ganjali, P. Norouzi (Amirkabir U., Tehran, Iran)
16:40-17:00	<b>Coffee Break</b>			
<b>Time</b>	<b>Sala 1</b>	<b>Sala 2</b>	<b>Sala 3</b>	<b>Sala 4</b>
17:00-18:20	<b>Injection Molding</b>	<b>Polymer Blends and Alloys</b>	<b>Electronics and Optics Related Polymers</b>	<b>Polymers for Biomedical and Pharmaceutical Applications</b>
17:00-17:20	(10-O) <i>Powder injection molding of a ceramic part</i> B. Hausnerova*, L. Marcanikova, P. Filip, P. Saha (UTB, Zlin, Czech Republic)	(13-O) <i>Evaluation of compatibility in PVC/ABS blends in presence of ABS-grafted maleic anhydride</i> P.M. Hosseinpour*, J. Morshedian, M. Barikani, H. Azizi (IPPI, Tehran, Iran)	(63-O) <i>Light emitting organic nanofibers by e-spinning</i> A. Camposeo, F. Di Benedetto, S. Pagliara, R. Stabile, R. Cingolani, D. Pisignano (U. Salento, Lecce, Italy)	(155-O) <i>Printability of plasma treated polyvinyl chloride surface</i> M. Sowe*, I. Novak, I. Junkar, A. Vesel, M. Lehocky, P. Saha (UTB, Zlin, Czech Republic)
17:20-17:40	(104-O) <i>Abrasive wear measurements of various polyamide compounds under real-injection molding conditions</i> L. Olah*, W. Friesenbichler (U. Leoben, Austria)	(107-O) <i>Temperature dependence of transparency in poly(methylmethacrylate)/rubber/plasticizer blends</i> K. Okamoto*, M. Yamaguchi, S. Takahashi (JAIST, Ishikawa, Japan)	(65-O) <i>Electrospun organic light-emitting fibers integrating nanofeatures</i> F. Di Benedetto, A. Camposeo, S. Pagliara, E. Mele, L. Persano, R. Stabile, R. Cingolani, D. Pisignano* (U. Salento, Lecce, Italy)	(156-O) <i>Analysis of polyvinyl chloride surface modified with gentian violet</i> M. Sowe*, M. Polaskova, I. Kuritka, M. Merchan, T. Sedlacek, P. Saha (UTB, Zlin, Czech Republic)
17:40-18:00	(168-O) <i>Structure of the polymer in runners of multicavity injection mold</i> T. Jaruga, E. Bociaga* (U. Czestochowa, Poland)	(112-O) <i>Effects of temperature, butadiene and compatibilization on interfacial tension of PC/ABS pairs using spinning drop method</i> M.R. Ghanbari, H. Garmabi* (Amirkabir U., Tehran, Iran)	(99-O) <i>The influence of PVB degradation on the change of optical properties</i> D. Pistek*, M. Tupy, D. Merinska (UTB, Zlin, Czech Republic)	(78-O) <i>Molecularly imprinted polymers with nano-pore cavities for the release and recognition of chloramphenicol</i> M. Javanbakht*, S. Mohammadi (Amirkabir U., Tehran, Iran)
18:00-18:20	(165-O) <i>The influence of injection molding conditions on surface quality of nolded parts from PP with blowing agent</i> E. Bociaga*, P. Palutkiewicz (U. Czestochowa, Poland)	(27-O) <i>Comprehensive study of the relation between blending ratio and rheological, thermal, and mechanical properties of PP/EVA blends</i> O.Y. Alothman*, R. Elleithy, S.M. Al Zahrani (KSU, Riyadh, Saudi Arabia)	(102-O) <i>The AFM study of optically acid-sensory films of some conjugated azoaromatic polymers</i> D. Timpu*, V. Barboiou, A. Airinei, E. Rusu (IMC, Iasi, Romania)	(77-O) <i>Molecularly imprinted polymers based-solid-phase extraction for the selective determination of bromhexine in human serum and urine with high performance liquid chromatography</i> M. Javanbakht*, M.H. Namjoomanesh, B. Akbari-Adergani, M. Abdouss (Amirkabir U., Tehran, Iran)
20:30-23:00	<b>Banquet</b>			



## Wednesday, Oct. 21 2009, Morning Session

Time	Sala 1	Sala 2	Sala 3	Sala 4
08:50-10:30	<b>Rotational / Blow Molding and Thermoforming</b>	<b>Polymer Composites</b>	<b>Polymer Blends and Alloys</b>	<b>Nano-Structured Materials and Filled Systems</b>
08:50-09:10	(40-O) <i>Anisothermal chemorheology: application to reactive rotational molding process, understanding and control</i> J. Viale*, F. Nony, Ph. Mazabraud, J.-F. Gerard, A. Tcharkhtchi (CEA, Monts, France)	(224-O) <i>Synthesis and characterization of natural hibiscus sabdariffa fibre/polymer composites</i> A.S. Singha, V.K. Thakur* (NIT, Hamirpur, India)	(226-O) <i>Control of strain hardening and softening in acrylic polymer/epoxy/SiO<sub>2</sub> system</i> K. Koyama*, H. Uematsu, M. Sugimoto, T. Taniguchi, Y. Aoki (Yamagata U., Japan)	(233-O) <i>Preparation and characterization of electrically conductive polypropylene-expanded graphite nanocomposites: effect of compatibilizer</i> H. Mirzazadeh, A.A. Katbab*, A.N. Hrymak, S. Jamali (Amirkabir U., Tehran, Iran)
09:10-09:30	(15-O) Antimicrobial polyethylene compounds (based on rotational molding grades) B. Kaffashi, S. Motahari, T. Molavi* (U. Tehran, Iran)	(93-O) <i>Light-curing dental composites based on hybrid methacrylates and urethane oligomers</i> T. Buruiana*, V. Melinte, M. Zamfir, E.C. Buruiana (IMC, Iasi, Romania)	(178-O) <i>G-PET recycling on the example of film production in GTX Hanex plastic company</i> M. Grzelak*, J. Stoklosa, M. Szostak (GTX Hanex Plastic, Dabrowa Gornicza, Poland)	(227-O) <i>Synthesis and characterization of chlorine containing flame-retardant polyurethane nanocomposites</i> M. Mohammadi Aslzadeh, G. Mir Mohamad Sadeghi*, M. Abdouss (Amirkabir U., Tehran, Iran)
09:30-09:50	(138-O) <i>Pressure/flow performance of viscoelastic polymeric melts in cylindrical channels</i> H. Hosseini*, B.V. Berdyshev (Abadan U., Iran)	(216-O) <i>Preparation and study of the mechanical properties of nanocomposites based on vinylester and nanoalumina</i> M. Oroujzadeh*, M. Esfandeh, H. Rahimi (IPPI, Tehran, Iran)	(25-O) <i>Preparation and properties of injection-molded polyhydroxy butyrate-hydroxyvalerate (PHB-HV)/Cassava starch blends</i> P. Chaiwutthinan*, M. Tajan, T. Leejarkpai (NMMTC, Phatumthani, Thailand)	(235-O) <i>Electrorheological efficiency of suspensions of polyaniline particles with various interfacial tension in silicone oil</i> M. Stenicka, V. Pavlinek, P. Saha, N.V. Blinova, J. Stejskal, O. Qudrat (UTB, Zlin, Czech Republic)
09:50-10:10	(238-O) <i>Comparison of material models of polypropylene for finite element analyses of thermoforming processes</i> C.P.J. O'Connor*, P.J. Martin, G. Menary, E. McConville (Queen's U., Belfast, UK)	(217-O) <i>Synthesis and characterization of epoxy/urethane graft interpenetrating polymer networks nanocomposites based on organophilic montmorillonite</i> M. Esfandeh*, M. Ghafghazi, J. Morshedian (IPPI, Tehran, Iran)	(26-O) <i>Processing, performance and biodegradability of cassava starch and biodegradable copolyester blends</i> M. Tajan*, P. Chaiwutthinan*, Y. Rudeekit, T. Leejarkpai (NMMTC, Phatumthani, Thailand)	(126-O) <i>Evaluation of synergy between conventional fire retardants and other fillers for polystyrene</i> Z. Dujkova*, D. Merinska (UTB, Zlin, Czech Republic)



10:10-10:30		(16-O) <i>Rheological behavior of LDPE/EVA/clay nanocomposite foams</i> M. Riahi Nezhad*, I. Ghasemi, M. Karrabi, H. Azizi (IPPI, Tehran, Iran)		(242-O) <i>Polyvinyl Chloride Filled with Bismuth Oxychloride Powder</i> M. Polaskova, T. Sedlacek*, A. Kharlamov, R. Pivokonsky, P. Saha (UTB, Zlin, Czech Republic)
10:30-11:00	<b>Coffee Break</b>			
11:00-18:00	<b>Excursion to Paphos (free lunch package provided)</b>			

**\*Tentative Program. Please Check for Future Updates**



## POSTER SESSION

### ELECTRONICS AND OPTICS RELATED POLYMERS

1. (64-P) *Processing light emitting polymers embedding inorganic nanoparticles*. L. Persano, S. Molle, S. Girardo, A.A.R. Neves, A. Camposeo, R. Stabile, R. Cingolani, D. Pisignano\* (U. Salento, Lecce, Italy).
2. (90-P) *Reliability of inkjet printed pedot: PSS conductive traces over polyamide substrates*. R. Bonadiman\*, M. Salazar, O. Silva (Nokia TI, Manaus, Brazil).

### EXTRUSION, COATING, AND JOINING

1. (175-P) *The construction and operation of a new generation extruder. Concept and selected problems*, J.W. Sikora\*, E. Sasimowski, B. Krolikowski (LUT, Lublin, Poland).
2. (176-P) *Experimental and theoretical study for counter-rotating twin screw extrusion*. K. Wilczynski\*, A. Lewandowski, K.J. Wilczynski (WUT, Warsaw, Poland).
3. (141-P) *Investigating the effect of preheating on the joint size and energy consumption in ultrasonic welding process using Taguchi robust design*. A. Norouzi\*, M. Hamedi (Univ. Tehran, Iran).
4. (142-P) *Effect of process parameters and piece size on the bond formation and energy consumption during ultrasonic consolidation of ABS parts*. A. Norouzi\*, M. Hamedi (Univ. Tehran, Iran).
5. (144-P) *The relation between energy usage and the joint strength in both room temperature and preheated conditions of ultrasonic welding process*. A. Norouzi\*, M. Hamedi (Univ. Tehran, Iran).

### FIBERS AND FILMS

1. (171-P) *Effect of increasing the hard segment percent on the mechanical response of selected polyurethane films*. C. Prisacariu\*, E. Scortanu (IMC, Iasi, Romania).
2. (177-P) *Influence of the processing parameters on the properties of multi-layers RPET films*. M. Szostak, M. Mischczak-Graczyk\*, J. Stoklosa, M. Grzelak (GTX Hanex Plastic, Dabrowa Gornicza, Poland).
3. (186-P) *A study on melt spinning of potentially electroactive textile fibres, and the influence of melt spinning parameters on molecular structure development*. A. Lund\*, B. Hagström, R. Rychwalski (Univ. Borås, Borås, Sweden).
4. (108-P) *Preparation and characterization of high efficiency ion adsorption modified acrylic fibers*. B. Bagheri, M. Abdouss\*, M. Assar, M. Javanbakht (Amirkabir U., Tehran, Iran).

### FOAM PROCESSING AND APPLICATIONS

1. (170-P) *The correlation between the chemical structure and stress relaxation processes in selected polyurethanes with variable degrees of the hard segment local mobility*. C. Prisacariu\*, E. Scortanu (IMC, Iasi, Romania).
2. (172-P) *New developments into the stress-strain response and thermal behavior of dibenzyl diisocyanate based polyurethanes with diamine chain extenders*. E. Scortanu, C. Prisacariu\* (IMC, Iasi, Romania).



## INJECTION MOLDING

1. (119-P) *High cycle pulp injection molding process*. H. Yokoi\*, M. Maruno, H. Miyasita, N. Masuda (Univ. Tokyo, Japan).
2. (192-P) *Study on influence of temperature on filling balance of multi-cavities using movable temperature measuring unit*. K. Jiang, Y. Kanetoh\*, H. Yokoi (Univ. Tokyo, Japan).
3. (163-P) *Investigations of sink marks of foam polypropylene injection molded parts*. E. Bociaga\*, P. Palutkiewicz, J. Wawrzyniak (U. Czestochowa, Poland).
4. (164-P) *Properties of primary and recycled porous ABS injection molded parts with weld lines*. E. Bociaga\*, D. Szymanski, J. Wawrzyniak, P. Palutkiewicz (U. Czestochowa, Poland).
5. (167-P) *Warpage of injection molded polypropylene parts*. T. Jaruga\*, K. Lubczynska, E. Bociaga (U. Czestochowa, Poland).
6. (236-P) *Monitoring of injection molding of thermoplastics and identification of key parameters for quality control*. R. Pantani\*, U. Vietri, F. De Santis, A. Sorrentino, V. Speranza, G. Titomanlio (U. Salerno, Italy).
7. (229-P) *Reaction injection molding of polyurethanes: a 2-D hydrodynamic model to study mixing and chemical reaction*. A. Beygi, G. Mir Mohamad Sadeghi\* (Amirkabir U., Tehran, Iran).

## MODELING AND SIMULATION

1. (174-P) *Structure-kinetic formalism in the theory of linear polymer solutions and melts*. A. Rybakov, A. Gusev, G. Pyshnograï\* (Altai ST Univ., Barnaul, Russia).
2. (185-P) *Complex profile cooling: numerical modeling code with adaptive mesh refinement*. N.D. Goncalves, O.S. Carneiro, J.M. Nobrega\* (U. Minho, Guimaraes, Portugal).
3. (193-P) *Numerical simulations of foam extrusion*. E. Taliadorou, G. Georgiou\*, E. Mitsoulis (Univ. Cyprus, Nicosia, Cyprus).
4. (194-P) *Weakly compressible flows of viscoplastic fluids*. E. Taliadorou, G. Georgiou\*, I. Moulitsas (Univ. Cyprus, Nicosia, Cyprus).
5. (88-P) *A computational approach to studying monomer selectivity towards the template in an imprinted polymer*. M. Javanbakht\*, F. Edris Tabrizi, S. Riahi (Amirkabir U., Tehran, Iran).

## MORPHOLOGY AND STRUCTURE DEVELOPMENT

1. (173-P) *The effect of hydrogen substitution with inert (-CH<sub>3</sub>) groups on the hysteresis and fracture behavior in polyurethanes*. C. Prisacariu\*, E. Scortanu (IMC, Iasi, Romania).
2. (188-P) *Thermotropic semiconducting poly(azomethine-sulfone)s: structure – electrical conductivity relationships*. D. Timpu\*, L. Marin, V. Cozan (IMC, Iasi, Romania).
3. (195-P) *Morphology of high-property ABS/PA6 compatibilized blend*. S. Mohammadian-Gezaz\*, I. Ghasemi, A. Oromiehie (IPPI, Tehran, Iran).
4. (191-P) *Effect of thermal history on crystallization kinetics and thermal resistance of a commercial grade poly(lactic acid)*. F. De Maio, F. De Santis\*, R. Pantani, A. Sorrentino, G. Titomanlio (U. Salerno, Italy).

## NANO-STRUCTURED MATERIALS

1. (220-P) *Synthesis of polymer nanoparticles as template for preparation of porous structures*. A. Afshar Taromi, S. Pourmahdian\*, F. Afshar Taromi, M. Samadi Khoshkhoo (Amirkabir U., Tehran, Iran).
2. (152-P) *Polythiophene nanospheres synthesized in functionalized ionic liquid*. E. Kowsari\* (Amirkabir U., Tehran, Iran).



3. (153-P) *Preparation and characterization of polypyrrole nanoparticle by sonochemical method in the presence of hydrophobic ionic liquid.* E. Kowsari\* (Amirkabir U., Tehran, Iran).
4. (158-P) *Synthesis of silica particles by sol-gel process in an o/w/o emulsion media.* Z. Sadredini\*, S. Pourmahdian, M. Mohseni, S. Qavi (Amirkabir U., Tehran, Iran).
5. (239-P) *Correlation between microstructure and piezoresistive behavior of thermoplastic vulcanized nanocomposite based on PP/EPDM/Nanographite.* B. Ranjbar, A.A. Katbab\* (Amirkabir U., Tehran, Iran).
6. (240-P) *Piezoresistive behavior of silicon rubber /expanded graphite nanocomposite.* R. Soltani, A.A. Katbab\* (Amirkabir U., Tehran, Iran).

#### POLYMER BLENDS AND ALLOYS

1. (196-P) *Study on the mechanical properties of compatibilized ABS/PA6 blend using Response Surface Methodology.* S. Mohammadian-Gezaz\*, I. Ghasemi, A. Oromiehie (IPPI, Tehran, Iran).
2. (14-P) *Evaluation of compatibility in PVC/ABS blends in presence of reactively blended thermoplastic polyurethane.* P. Mohammad Hosseinpour\*, J. Morshedian, M. Barikani, H. Azizi (IPPI, Tehran, Iran).
3. (230-P) *Blends of recycled poly(ethylene terephthalate) (RPET) and polypropylene (PP) compatibilized by epoxydized ethylene propylene diene monomer (eEPDM) through reactive mixing.* H. Azadi, N.M.H. Famili\*, O. Moini Jazani (Tarbiat Modares U., Tehran, Iran).

#### POLYMER COMPOSITES

1. (221-P) *Fusion level optimization in PVC nanocomposites using neural network and genetic algorithm.* M. Moghri\*, M. Farahnakian (Islamic Azad U., Kashan, Iran).
2. (179-P) *Ion effect on the properties of surlyn/clay nanocomposites.* P. Zadrapa\*, J. Zykova, L. Kovarova, J. Malac (UTB, Zlin, Czech Republic).
3. (180-P) *PVC-paste/organoclays composites: effect on the mechanical and thermal properties.* J. Zykova\*, R. Vasak, L. Kovarova, J. Malac, P. Zadrapa (UTB, Zlin, Czech Republic).
4. (181-P) *Optimization of polycarbonate properties by a hybrid filler system.* A. Loeffler\*, K. Osswald, S. Ilisch, H.H. Le, H.-J. Radosch (MLU, Halle-Wittenberg, Germany).
5. (182-P) *Preparation of poly(acrylic acid)/Ag nanocomposites from PAA-sodium salt.* T.H. Kim, M. Park, H.S. Kim, S.H. Lim\* (KIST, Seoul, Korea).
6. (184-P) *Evaluation of synergy between conventional fire retardants and other fillers for polystyrene.* Z. Dujkova\*, D. Pistek, D. Merinska (UTB, Zlin, Czech Republic).
7. (189-P) *Polyoxymethylen nanocomposites – preparation and properties.* D. Merinska\*, H. Kubisova, J. Smerda (UTB, Zlin, Czech Republic).
8. (197-P) *Ternary composite made of carbon nanotubes / polypropylene / polyaniline and melt spinning to conductive fibers.* A. Soroudi\*, M. Skrifvars (Univ. Borås, Borås, Sweden).
9. (198-P) *Effects of hot water treatment of raw bark, coupling agent and lubricants on the properties of bark/HDPE composites.* M.C. Ngueho Yemele, A. Koubaa\*, A. Cloutier, P. Soulounganga, M.P. Wolcott (Univ. Quebec at Abitibi, Temiscamingue, Canada).
10. (223-P) *Application of micromechanical models to the tensile properties of wood-plastic composites.* S. Migneault, A. Koubaa\*, F. Erchiqui, A. Chaala, K. Englund, M.P. Wolcott (Univ. Quebec at Abitibi, Temiscamingue, Canada).
11. (127-P) *Influence of molding parameters on morphology and properties of PP/SiO<sub>2</sub> composites.* K. Bula\*, T. Jesionowski (IMT, Poznan, Poland).
12. (234-P) *Synthesis and characterization of epoxy/polyurethane graft interpenetrating polymer networks.* A. Sayadi\*, G. Mir Mohamad Sadeghi, J. Morshedian (Amirkabir U., Tehran, Iran).
13. (232-P) *Nanostructured polyolefines/organoclay composites: relationship between heat deflection characteristics and rheo-mechanical behavior.* P. Mahmudian, A.A. Katbab\*, F. Hakak, N. Mostofi, H. Mirzazadeh (Amirkabir U., Tehran, Iran).



14. (245-P) *The influence of filler modification on the structure of highly filled reprocessed composites of polyolefins with CaCO<sub>3</sub>*. P. Jakubowska\*, A. Kosciuszko, T. Sterzynski (PUT, Poznan, Poland).

#### POLYMERS FOR BIOMEDICAL AND PHARMACEUTICAL APPLICATIONS

1. (92-P) *Synthesis and characterization of biodegradable ethylene vinyl acetate and lactic acid copolymers*. I. Moura, A.V. Machado\*, R. Nogueira, V. Bounor-Legare (U. Minho, Guimaraes, Portugal).
2. (58-P) *Molecularly imprinting polymers as new carrier for sustained release of tramadol*. S.A. Deilami, M. Abdouss\*, S. Khoei, M. Javanbakht (Amirkabir U., Tehran, Iran).
3. (79-P) *Novel molecularly imprinted polymers for the selective extraction and determination of metoclopramide in plasma and urine samples using high performance liquid chromatography*. N. Shaabani, M. Javanbakht\* (Amirkabir U., Tehran, Iran).
4. (80-P) *Molecularly imprinted polymers for selective solid-phase extraction of dextrometoprophan from biological fluids and human urine*. M. Javanbakht\*, M.M. Moein, N. Shaabani (Amirkabir U., Tehran, Iran).
5. (82-P) *Solid-phase extraction of tramadol from aqueous samples using a water-compatible imprinted polymer*. M. Javanbakht\*, M.H. Namjoomanesh, A.M. Attaran, B. Akbari-Adergani (Amirkabir U., Tehran, Iran).
6. (83-P) *Molecularly imprinted polymers as new carrier for sustained release of dipyridamole*. S. Mohammadi, M. Javanbakht\*, M. Abdouss (Amirkabir U., Tehran, Iran).
7. (243-P) *Polyvinyl chloride catheters with repressed migration of plasticizers*. T. Sedlacek\*, V. Kasparkova, M. Polaskova, P. Filip, P. Saha (UTB, Zlin, Czech Republic).

#### REACTIVE PROCESSING

1. (183-P) *Synthesis of new photoresponsive materials self-assembled from AZO dye and liquid crystalline polymers*. E.C. Buruiana, V. Melinte, T. Buruiana\* (IMC, Iasi, Romania).
2. (190-P) *Curing behavior of urea-modified phenol-formaldehyde resin*. K. Siimer\*, T.-M. Suedl, T. Kaljuvee, P. Christjanson, T. Pehk (TUT, Tallinn, Estonia).
3. (98-P) *The investigation of influence of temperature on polymeric antioxidant efficiency (IRGONOX B225)*. Z. Akbari\*, Y. Jahani, S. Golpoora (Marun Petrochemical Co., Mahshahr, Iran).
4. (57-P) *Synthesis and application of molecularly imprinted polymer (MIP) for selective solid-phase extraction of citalopram*. N.B. Mohammadi, M. Abdouss\* (Amirkabir U., Tehran, Iran).
5. (59-P) *DFT study on the role of 1-chlorobutane promoter on ethylene polymerization over a titanium based Ziegler-Natta catalyst*. N. Bahri-Laleh\*, M. Nekoomanesh-Haghighi, S. Mehdipour-Ataei, H. Arabi, G. Zohuri (IPPI, Tehran, Iran).
6. (81-P) *Preparation and evaluation of dipyridamole molecularly imprinted solid-phase extraction sorbents for trace analysis using high performance liquid chromatography*. M. Javanbakht\*, S. Mohammadi (Amirkabir U., Tehran, Iran).
7. (84-P) *Development of novel molecularly imprinted solid-phase extraction method and its application for the determination of trifluoperazine in complicated samples coupled with high performance liquid chromatography*. M. Javanbakht\*, N. Mohammadi, A.M. Attaran, B. Akbari-Adergani (Amirkabir U., Tehran, Iran).
8. (124-P) *Preparation of novel oligomeric dyes in aqueous acidic ionic liquid, influence of the amount and type of AIL surfactant as catalyst*. E. Kowsari\*, I. Yavari (Amirkabir U., Tehran, Iran).
9. (218-P) *Ionic liquid as novel reaction media for the synthesis of copoly(ester-amide)s containing 9,10-anthraquinone moiety as new dyes*. E. Kowsari\*, I. Yavari (Amirkabir U., Tehran, Iran).
10. (215-P) *Poly(lactic acid) preparation by polycondensation method*. P. Laonud, N. Chaiyut\*, B. Ksapabutr (Chulalongkorn U., Bangkok, Thailand).



11. (219-P) *Preparation of polylactide by ring-opening polymerization of lactide*. K. Boua-in, N. Chaiyut\*, B. Ksapabutr (Chulalongkorn U., Bangkok, Thailand).
12. (125-P) *Synthesis of highly conductive polyaniline nanostructure in dicationic ionic liquid*. E. Kowsari\*, I. Yavari (Amirkabir U., Tehran, Iran)
13. (228-P) *Synthesis and characterization of BHETA based polyurethanes*. M. Mohammadi Aslzadeh, G. Mir Mohamad Sadeghi\*, M. Abdouss (Amirkabir U., Tehran, Iran).

#### **RHEOLOGY AND RHEOMETRY**

1. (187-P) *Rheological behavior of degraded polybutene-1*. L. Benicek, V. Verney, S. Commereuc, R. Cermak, M. Obadal, M. Pastorek\* (UTB, Zlin, Czech Republic).
2. (129-P) *Study on the phase behaviour of poly(vinyl methyl ether) aqueous solution by rheological measurements*. H. Sojoudi Asli, A. Gharachorlou, F. Goharpey\* (Amirkabir U., Tehran, Iran).
3. (231-P) *An outstanding rheological behavior of polyolefin nanocomposites*. N. Mostofi, H. Mirzazadeh, A.A. Katbab\*, P. Mahmudian, F. Hakak (Amirkabir U., Tehran, Iran).



