

List of poster contributions

as of Feb. 12, 2010

<i>Theory, computational methods, and modelling</i>	
1	Modeling of branching and gelation in living copolymerization of monomer and divinyl cross-linker ATRP process - Study in frame of dynamic lattice liquid model (DLL)
	Piotr Polanowski , Krzysztof Matyjaszewski
2	Foaming behavior of polystyrene containing dissolved CO ₂ during depressurisation
	Salah Al-Enezi , Meshal Al-Samhan
3	Monte Carlo simulation of macromolecular reactions in heterogeneous polymer blends
	Daria V. Guseva , Alexander V. Chertovich, Yaroslav V. Kudryavtsev, Arkadiy D. Litmanovich
4	Evidence of microphase separation in random copolymer melts by dissipative particle dynamics simulation
	Alexei A. Gavrilov , Pavel G. Khalatur, Yaroslav V. Kudryavtsev, Alexander V. Chertovich
5	The microphase separation in melts of diblock-copolymer including linear and amphiphilic blocks (mathematical modelling)
	A. A. Glagoleva , V. V. Vasilevskaya, A. R. Khokhlov
6	Modeling of the phase separation behavior of blends containing di- and triblock co-polymers
	Peter Friedel , Saija Ptacek, Doris Pospiech, Dieter Jehnichen
<i>Processing, morphology control, and properties</i>	
7	Scale-up of an in-line process monitoring system to an industrial extruder for the production of nanocomposites
	Dieter Fischer , Jan Müller, Sven Kummer, Enrico Masarati
8	Real time investigation of the nanostructuring process of PP nanocomposites in the melt along the extruder with NIR and Ultrasonic spectroscopy
	Dieter Fischer , Sven Kummer, Jan Müller
9	Preparation and sensing properties of novel polyurethane-carbon nanotube composite fibers
	Qingqing Fan , Zongyi Qin, Long Chen, Jinghua Gong, Yue Tang, Meifang Zhu
10	Morphology and rheological property of PLA/PCL blend compatibilized by electron beam irradiation in the presence of functional monomer
	Boo Young Shin , Bong Shik Kim
11	Proper use of rice straw in preparing of rubber composites with industrial applications
	Galal A. M. Nawwar
12	Electrically stimulatable shape-memory materials based on carbon black filled ethylene-octene copolymer (EOC) and their blends
	Hai Hong Le , Sybill Ilisch, Hans-Joachim Radusch
13	Melt surface tension of miscible blends of poly(ethylene oxide) and poly(methyl acrylate)
	D. Pfefferkorn , S. Sonntag, S. Kyeremateng, Z. Funke, H. W. Kammer, J. Kressler
14	The temperature dependence of the subnanometre free volumes in semicrystalline polyethylene and polytetrafluoroethylene: A positron lifetime and pressure-volume-temperature study
	Yang Yu , G. Dlubek, J. Pionteck, R. Krause-Rehberg
15	Phase separation behavior in a rubber-modified epoxy system
	Raju Thomas , Jürgen Pionteck, Sabu Thomas
16	Incorporation of high molecular weight polymers in co-continuous nanostructured blends by reactive blending
	Léa Gani , Sylvie Tencé-Girault, Michèle Milléquant, Stéphane Bizet, Ludwik Leibler
17	Boron nitride filled SEBS/EVA blends: Processing and properties
	Sebnem Kemaloglu, Gamze Karsli , A. Aytac, Guralp Ozkoc
18	The effects of carbon black content and structure on the performance of the natural rubber vulcanizates
	Hamidreza Esfahany , Payam Zahedi

19	Permeability characterization of HDPE/PA-6/EVOH bottles: The effects of order of mixing and disperse phase content	M. R. Saeb , M. Farahani, A. Kiani, S. Sarami, H. Garmabi
20	Temperature dependency of permeability in HDPE and HDPE/PA-6/EVOH blow molded bottles against gasoline	A. Kiani , M. R. Saeb, M. Farahani, H. Garmabi
21	Electrically conducting blend based on epoxy resin with polyaniline/poly (butyl acrylate-vinyl acetate) composite	Abdolreza Mirmohseni , Fahimeh Farshi Azhar
22	Radiation curing of silicone blends	A. Fainleib, V. Sakhno, D. Kolesnik
23	Compatibilization of PP/TPU blends with different fillers	Emi Govorčin Bajsić , Vesna Rek, Ivana Pleić, Mirela Leskovac
24	Blends of partly aromatic polyamides with hyperbranched aromatic polymers (polyesters and polyetheramides) - miscibility and properties	Klaus Jähnichen , Brigitte Voit, Zhirong Fan, Phillippe Desbois
25	Influence of chemical crosslinking on glass transition temperature, crystallization and melting behavior of PE/EVA blends	H. A. Khonakdar , A. Haghighi-Asl
26	Coating of surfaces by polyelectrolyte and surfactant mixtures	Saule Aidarova , Altnai Sharipova, Miras Issakhov, Kuanishbek Mussabekov, Victoria Dutschk, Reinhard Miller
27	Studies on transreaction kinetics in PET/PEN blends using rheological measurements	H. A. Khonakdar , M. A. Zolali, M. B. Teimouri, S. H. Jafari, U. Wagenknecht, B. Kretzschmar
28	Determination of surface anisotropy and viscoelastic response of cocontinuous blends	C. R. Lopez-Barron, C. W. Macosko
29	Macro porosity in hybrid organic-inorganic polymer systems filled with inorganic particles	Maksym Iurzhenko, Yevgen Mamunya , Gisele Boiteux, Eugene Lebedev
30	Initial formation process of interface between dissimilar polymers by high-speed ellipsometry	Yuki Mishima , Rikki Honma, Seisuke Ata, Toshiaki Ougizawa
31	Effect of confinement and viscosity ratio on droplet coalescence in shear flow	Ruth Cardinaels , Pieter de Bruyn, Dongju Chen, Paula Moldenaers
32	PCL/PA12 graft copolymers by coupling reactions in melt	Lothar Jakisch , Andrea Gube, Frank Böhme
33	Reactive and non-reactive polypyrroles as modifier for electrical conductive blends and composites	J. Pionteck , J. Hegewald, M. Omastová
34	Synthesis of defined PP-co-(PS macromonomers) and their application as compatibilizer in polymer blends	Ulrich Schulze , Tamás Fónagy, Jürgen Pionteck, Béla Iván
35	Janus particles in PS/PMMA polymer blends	Thomas Ruhland , Andreas Walther, A. H. E. Müller
<i>Nano-structured and nano-filled blends and copolymers</i>		
36	Elaboration and characterization of binary nanocomposites based on poly(n-butyl methacrylate-co-acrylic acid)/bentonite	Hiba Chaouadi, Farid Metref , Said Djadoun
37	Effect of clay on the morphology and properties of high density polyethylene/polystyrene/clay nanocomposites prepared by melt mixing	Assia Siham Hadj Hamou , Farida Yahiaoui, Abderahmane Habi, Said Djadoun
38	A novel compatibilization technique involving multiwall carbon nanotubes in polyamide6/acrylonitrile butadiene styrene blends	Bhagwan F. Jogi, Arup R. Bhattacharyya
39	Phase morphology development in PA6/PP/ABS ternary polymer blends: Influence of compatibilizers and multiwall carbon nanotubes	Biswajit Panda, Arup R. Bhattacharyya , Ajit R. Kulkarni
40	A new single-step synthesis method for hybrid polymer/inorganic nanoparticle latexes	A. S. Pakdel , H. Eslami, S. Pourmahdian

41	Preparation of vinyl ester/nano alumina nanocomposites and study of their mechanical, physical and thermal properties	M. Esfandeh , H. Rahimi, M. Oroujzadeh
42	Non-isothermal crystallization behavior of polypropylene/poly (trimethylene terephthalate) blends in presence of nanoclay particles	Ali Kalati Vahid, Seyed-Hassan Jafari, Hossein Ali Khonakdar , Rüdiger Häßler, Dieter Jehnichen
43	Influence of enhanced transesterification on thermal degradation and rheological behavior of phenoxy/PTT blends in presence of nanoclay particles	Javad Seyfi , Seyed-Hassan Jafari, Hossein Ali Khonakdar
44	Study of elongational flow on mechanical properties and oxygen permeability of LLDPE/LDPE/OMMT nanocomposite blown films	Hamidreza Esfahany, Hamid Garmabi
45	Selective sequestering of CNTs in block copolymers	Florian Wode , Martin Kirsten, Manfred Stamm, Apostolos Avgeropoulos, N. Zafeiropoulos
46	Structural changes in thin films of supramolecular assemblies by blending with homopolymers	Marcus Böhme , Bhanu Nandan, Manfred Stamm
47	Highly ordered arrays of Fe ₃ O ₄ magnetic nanoparticles via block copolymer self assembly	Andriy Horechyy , Nikolaos E. Zafeiropoulos, Peter Formanek, Anton Kiriy, Manfred Stamm
48	Comparison of nano composites based poly(acrylonitrile-butadiene-styrene) modified epoxy resin and TiO ₂ or MWCNT	P. Jyotishkumar, J. Pionteck , S. Thomas
49	Modification of the electrical properties of polypropylene by modified expanded graphites (EGs)	J. Pionteck , M. Kaiser, F. Piana, P. Pötschke, I. Krupa, M. Omastová
50	Nanocomposite blends: Multiwalled carbon nanotube filled polycarbonate melt mixed with montmorillonite filled polypropylene	Petra Pötschke , Bernd Kretzschmar, Liane Häussler, Mahmoud Abdel-Goad, Andreas Janke
51	Nanoscaled molecularly imprinted polymers (MIPs) for specific recognition of amino acids via inverse miniemulsion polymerisation	D. Wojciukiewicz , J. Riegler, T. Hirth, G. Tovar
52	Optimization of electrical and mechanical properties of a PC/ABS blend by a hybrid filler system	A. Kamper , S. Ilisch, H. H. Le, H.-J. Radosch
53	Novel titanium dioxide/polystyrene nanocomposites as precursor for advanced graphite electrode materials	Jan U. Wieneke , David Ruiz Abad, Gerd Brosig, Hartmut Wiggers, Christof Schulz, Mathias Ulbricht
54	Natural rubber blended with polystyrene nanoparticles prepared by differential microemulsion polymerization	Saowaroj Chuayjuljit , Anyaporn Boonmahitthisud
55	Polymer blends of EVA/nano-sized PS filled with nanosilica	Saowaroj Chuayjuljit, Nutnicha Piyawong
56	Mechanical properties and morphology of XSBR/NR blends filled with PS nanoparticles	Saowaroj Chuayjuljit, Wasuthep Luecha
57	Preparation and characterization of EVA/PS nanoparticles/MMT nanocomposites	Saowaroj Chuayjuljit, Chutima Worawas
58	Synthesis and characterization of mixed proton and electron conducting polymer nanocomposites	Vijaykumar Ijeri , Stefano Bianco, Mauro Tortello, Lucandrea Cappelletto, Elena Tresso, Paolo Spinelli
59	DSC and WAXS studies of cold crystallization of PLLA/montmorillonite nanocomposites	F. Ublekov , J. Baldrian, J. Kratochvil, E. Nedkov
60	Novel CNTs/polystyrene composites by using in situ - polymerization and extrusion	Minna Annala , Jukka Seppälä
61	Phase behavior of binary blends of block copolymers with complementarily asymmetric compositions	Sang-Byung Park , Jeong-Kyu Lee, Jung-Guk Ha, Wang-Cheol Zin

62	Nanocomposites of cellulose acetate, poly(epichlorohydrin) and organic-clay: Morphology and thermal behavior	Juliana Aristéia de Lima , Maria Isabel Felisberti, Maria do Carmo Gonçalves
63	Chemical reactions at curing of polycyanurate ester resin/epoxy functionalized polyhedral oligomeric silsesquioxane blends	A. Fainleib, O. Starostenko , O. Grigoryeva, B. Youssef, J.-M. Saiter, D. Grande
64	Preparation and characterization of dental nanocomposite resin	Baolei Zhu , Mo Zhu, Ling Qi, Qinghong Zhang, Bing Sun, Meifang Zhu
65	Novel polyurethane blends derived from polyetheric macrodiols	Cristina Prisacariu , Elena Scortanu
66	Stress relaxation and residual strain of polyurethane elastomers and films based on dibenzyl monomers	Cristina Prisacariu , Elena Scortanu
67	Synthesis and characterization of segmented polyurethane elastomers with an enhanced sequential ordering of the hard segments	Cristina Prisacariu , Elena Scortanu
68	Tensile modulus and hysteresis behaviour of segmented polyester copolyurethanes based on single or mixtures of isocyanates	Cristina Prisacariu , Elena Scortanu
69	The self-assembly of amphiphilic macromolecules	Valentina Vasilevskaya
<i>Bio-related and functional blends</i>		
70	Poly(lactic acid)/poly(3-hydroxybutyrate-co-3-hydroxyvalerate) blends: Toughening effect of PHBV	P. Ma , D. G. Hristova-Bogaerds, P. J. Lemstra, Sh. Wang, Y. Zhang
71	Ethylene vinyl acetate/cellulose composites: functional modification, morphology and phase interactions	Md. Minhaz-UI Haque , Vera Alvarez, Mariano Pracella
72	Investigation of physicochemical properties and micro-structure of citric acid/glycerol blended corn starch	Ebru Uslu, Sevilay Atmaca, Sebnem Kemalglu , Semin Ozge Ozkoc, Guralp Ozkoc
73	Preparation and characterization of polymer electrolyte membranes based on poly(1-vinyl-1,2,4 triazole) and poly(styrene sulfonic acid)	Ayşe Aslan, Sevim Ünügür Çelik , Ünal Şen, Ayhan Bozkurt
74	The non-isothermal crystallization kinetics of unplasticized and plasticized poly(lactic acid)/organoclay nanocomposite films	Serap Gumus , Guralp Ozkoc, Ayse Aytac
75	Liquid sensing properties of melt-processed polypropylene and poly(ϵ -caprolactone) blends with carbon nanotubes	Petra Pötschke , Kazufumi Kobashi, Tobias Villmow, Timo Andres, José António Covas, Maria Conceição Paiva
76	Evaluation of PVA /Guar gum based polymer blend films	A. P. Gupta, Gopal Arora
77	Functional protein-polymer blends on the basis of polyacrylamide gel and gumic acids for sorption immobilization of enzymes	Gulnara A. Bektenova