

PROGRAM

Monday, March 8, 2010

09:00	<i>Opening</i>		
	<i>Chair: M. Stamm</i>		
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09:30-10:20	G. Oenbrink Innovation in times of crisis - Polymer blends based on hyperbranched Nylons		19
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	Processing, morphology control, and properties	Nano-structured and nano-filled blends and copolymers	
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11:45-12:05	P. I. Aguayo Relationships between processing, phase dispersion and mechanical performance in polypropylene filled compounds	38	D. Pospiech In-situ synthesis of polyester nanocomposites with inorganic nano-objects and their use to tailor properties of polymer blends 67
12:05-12:25	E. V. Prut Dynamic vulcanization of PP/EPDM thermoplastic elastomers containing PP of various molecular weight	39	W. Li The effect of silica nanoparticles on the phase behavior of polymer blends studied via a high-throughput experimentation approach 68
12:25-12:45	L. Bardash Thermostable porous polystyrene/polycyanurate IPNS via polymerization of high internal phase emulsions	40	R. Jeziórska Nano-structured composites - The potential of spherical nano-silica 69
12:45-13:05	S. Grosse Recent state of the art in real time morphology analysis of flowing polymer blends and nanocomposites during extrusion processing by means of optical particle sensing	41	N. Yousefi Using HDPE/PA6 blend as a matrix for polymer/layered silicate nanocomposites: Morphology control and mechanical properties 70
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16:20-16:40	S. Ilisch Effect of styrene and vinyl content of styrene butadiene rubber on dispersion and distribution of carbon black in SBR/NR blends	43	D. G. Hristova-Bogaerds Biodegradable poly(3-hydroxybutyrate)/poly(butylene succinate) (PHB/PBS) blends: Effect of PBS on crystallization behavior and thermal stability of PHB 76
16:40-17:00	P. Russo Processability and morphological analysis of thermoplastic polyurethane-carbon nanotube compounds	44	I. Chodák Compatibilization of binary and ternary blends of biodegradable plastics 77
17:00-17:20	Z. Starý Creep elongational experiments - new tool for investigations of morphology development in polymer blends	45	M. Weber ABS/PA-alloys - influence of the compounding procedure on the materials performance 78
17:20-17:40	V. Thakur Electron induced reactive processing of PP-EPDM thermoplastic vulcanizates	46	A. Gödel Transfer mechanisms and localization of conductive nanofillers in different polar blend phases during melt mixing processes 79
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10:50-11:10	R. Cardinaels Relaxation of droplets and fibrils in blends with one viscoelastic component: Bulk and confined conditions	48	B. A. Wolf Polymer incompatibility caused by different molecular architectures 33
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11:30-11:50	B. Schartel Halogen-free flame retarded bisphenol A polycarbonate blends	50	A. L. Svistkov Modeling mechanical behavior of elastomeric nanocomposites based on styrene butadiene rubber 35
11:50-12:10	P. Svoboda Elastic properties of polypropylene/ethylene-octene copolymer blends	51	G. Floudas Effect of pressure on the dynamic heterogeneity in miscible blends 36
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16:10-16:30	C. Prisacariu Influence of the hydrogen bonding on the mechanical performance of segmented block copolyurethane elastomers	74	Z. Safidine Establishment of TTT diagrams for the reinforced blends based on PP/PP-g-MAH/SGFR PA 66: Effect of compatibilizer	60
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10:50-11:10	W. S. Chow Exfoliation-ability and processability of nanoclay in epoxy/glass fiber hybrid composites and polyamide/polypropylene blends	53	N. Vranjes Morphology and properties of polypropylene/low density polyethylene blends compatibilized by ethylene-propylene-diene terpolymer
11:10-11:30	R. Schlegel Characterization of the elastomeric behaviour of block-double graft copolymers with an energy based softening model	54	P. J. R. O. Nóvoa Toughening of unsaturated polyester resins with solvent treated scrap tire rubber powders
11:30-11:50	A. Youssef Physical ageing of polyethylene oxide (PEO)/polyvinyl phenol (PVPh) blends	55	K. K. C. Ho Interface engineering of carbon fibre reinforced poly(vinylidene fluoride)
11:50-12:10	M. Gültner Tuning the localization of functionalized MWNT in reactive PC/SAN blends	56	S. Ü. Çelik Proton conducting polymer electrolytes based on 1-vinyl-1,2,4-triazole and vinylphosphonic acid
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