

Monday, August 26, 2013			
9:00-9:30	Opening ceremony		
Chairpersons	M. Omastová and I. Chodák		
9:30-10:20	PL 1 S. Iijima (Japan): Nano carbon materials: science and applications		
10:20-10:50	Coffee break		
	Session A	Session B	Session C
Chairpersons	E. Terentjev	J.M. Lopez-Cuesta	R. Rothern
10:50-11:20	KN 1 J.F. Gérard (France): Carbon nanotube-based nanocomposites: effect of dispersion on release during wear	KN 3 J. Pflieger (Czech Republic): Downscaling metal fillers to nanoscale - composites for optoelectronic applications	KN 5 J. Vuorinen (Finland): New ideas for filler systems
11:20-11:50	KN 2 R.H. Schuster (Germany): Reinforcement of high performance elastomers by CNTs	KN 4 K. Pielichowski (Poland): Organic - inorganic hybrid materials: studies on PU/POSS	KN 6 J.R. Leiza (Spain) Encapsulation of CeO ₂ nanoparticles in waterborne polymeric dispersions: Coatings with enhanced UV absorption
11:50-12:10	OP 1 A.M. Diez-Pascual (Spain): Development of novel epoxy-based composites reinforced with a semicrystalline thermoplastic and carbon nanotubes	OP 3 E. Markovic (USA): POSS nanocomposites fillers	OP 5 B. Kutlu (Germany): Processing of thermally conductive hexagonal boron nitride/PA6 composites
12:10-12:30	OP 2 Y. Mamunya (Ukraine): Shear- recovery behaviour of electrical conductivity in polymer-carbon nanotubes composites	OP 4 F. Ciesielczyk (Poland) Alkoxysilanes grafted MgO SiO ₂ Active filler of polypropylene	OP 6 Y. Imai (Japan): MgO filled polymer composites for high frequency applications
12:30-14:00	Lunch		
	Session A	Session B	Session C
Chairpersons	J.F. Gérard	R. H. Schuster	J. Vuorinen
14:00-14:30	KN 7 P. Pötschke (Germany): Localization of carbon nanotubes in immiscible polymer blends	KN 8 P. Pissis (Greece): Interfacial effects in polymer nanocomposites	KN 9 J.M. Martín-Martínez (Spain): Incidence of fillers addition to adhesives
14:30-14:50	OP 7 T. Parpaite (France): Compatibilizing effect of functionalized silica nanoparticles in immiscible polymer	OP 12 A. Leuteritz (Germany): Integration of nanofillers in polyurethane foams for diffusion control	OP 17 H. Beneš (France): Thermoplastic fibre as carbon nanotubes carrier for RTM processed composites
14:50-15:10	OP 8 J. Jůza (Czech Republic): Flow-induced coalescence in immiscible polymer blends: Arbitrarily mobile interface model	OP 13 M. Lungová (Germany): Structure and dynamics of polymer chains in nanocomposites	OP 18 E. Cichomski (Netherlands): Influence of the silica surface area and structure on rolling and wet skid resistance of a passenger car tire tread
15:10-15:30	OP 9 K. Czaniková (Slovakia): Photo-thermal actuation of ethylene vinylacetate/carbon nanotubes composites	OP 14 M. Mičušík (Slovakia): Conducting filler ageing: XPS and electrical conductivity study	OP 19 Y. Hotta (Japan): Conductive improvement of hexagonal boron nitride and polyamide composite with low filler loading

15:30-15:50	OP 10 A. Jimenez-Suarez (Spain): Alternative manufacturing method to avoid decantation and preferential orientation in graphene based nanocomposites	OP 15 N.E. Kazantseva (Czech Republic): Core-shell magnetic particles with controlled electromagnetic properties in radiofrequency band	OP 20 A.M. Brandt (Germany): Functional carbon fibers by electrospinning
15:50-16:10	OP 11 K. Pielichowska (Poland): Phase transitions in polyurethane-based phase change materials modified with graphene	OP 16 R. Moučka (Czech Republic): Aniline oligomers: Characterization and electrical properties	OP 21 N. Pfeiffer (Germany): Tailor-made graphite free epoxy nanocomposites
16:10-16:30	Coffee break		
16:30-18:00	Poster session I.		

Tuesday, August 27, 2013			
Chairperson	Peter Hornsby		
9:00-9:40	PL 2 B. Pukánszky (Hungary): Improving the property profile of poly(lactic acid) by modification with biofillers and elastomers		
9:40-10:20	PL 3 E. Terentjev (UK): Dispersing carbon nanotubes and electric conductivity of polymer composites		
10:20-10:50	Coffee break		
	Session A	Session B	Session C
Chairpersons	I. Krupa	B. Pukánszky	F. Clegg
10:50-11:20	KN 10 A. Fina (Italy): Thermal conductivity in CNT- and graphene- based polymer nanocomposites	KN 12 P. Dubois (Belgium): Impact resistant PLA-based materials: key-role of nanofillers	KN 14 P. Komadel (Slovakia): Structures of clay minerals used as fillers in polymer laboratories – are they sufficiently known?
11:20-11:50	KN 11 N. Horny (France): Photothermal study of thermo-optical properties of polymer/graphite nanocomposites	KN 13 G. Gentile (Italy): Amorphized cellulose as filler in biocomposites based on biodegradable polyesters	KN 15 V. Khunova (Slovakia): The effect of halloysite modification on the structure and properties of polymer nanocomposites
11:50-12:10	OP 22 A. Boudenne (France): Review on thermophysical properties of polymer nanocomposites	OP 24 E. Petinakis (Australia): Enhancement of interfacial adhesion in PLA-wood flour biocomposites using plasma modification technique	OP 26 N.N. Ismail (UK): Preparation and characterization of silicone rubber/clay nanocomposites
12:10-12:30	OP 23 D. Shimamoto (Japan): Effects of thermal conductive matrix resin on carbon fiber reinforced thermoplastics	OP 25 N.L. Thomas (UK): Poly(lactic acid) nanocomposites: Water vapour permeability properties	
12:30-13:40	Lunch		
13:40-15:00	Poster session II.		
	Session A	Session B	Session C
Chairpersons	P. Dubois	U. Wagenknecht	J. Pionteck
15:00-15:30	KN 16 T.J. Leitner (UK): A comprehensive range of Instron's state of the art testing solutions for composite materials	KN 18 R. Rothon (UK): Latest developments in the use of Halloysite as an effect filler and flame retardant	KN 20 S.H. Anastasiadis (Greece): Structure and dynamics in polymer/layered silicate nanocomposites
15:30-16:00	KN 17 J.B. Bai (France): The effect of carbon nanotube aspect ratio, organization and the microsubstrate on the self-sensing and mechanical properties of the nano/micro hybrids reinforced epoxy composites	KN 19 P. Hornsby (Ireland): Nano-cellulose reinforced polymers - current perspectives and future potential	KN 21 I. Kelnar (Czech Republic): Complex effect of nanofillers in multiphase polymer systems
16:00-16:20	Coffee break		
16:20-16:40	OP 27 E. Koumoulos (Greece): Nanoindentation analysis of composite engineering materials	OP 32 H. Hamada (Japan): Novel fabrication method of natural fiber reinforced polypropylene composites by direct fiber feeding injection molding	OP 37 I. Ozen (Turkey): Dependency of thermal degradation and morphology on mineral content and processing type in poly(ethylene terephthalate)/organoclay nanocomposites

16:40-17:00	OP 28 A. Hassan (Malaysia): Improving heat aging and mechanical properties of fluoroelastomer using carbon nanotubes	OP 33 C. Paul (France): Interface improvement in flax fibre/polyethylene composites	OP 38 A. Kołodziejczak-Radzimska (Poland): Precipitation of hydroxyapatite with different Ca/P ratio
17:00-17:20	OP 29 S. Pruvost (France): Relationship between crosslinking mechanism and mechanical properties	OP 34 H. Braun (Austria): Impact resistance of wood plastic composites: Effect of structure and composition	OP 39 R. Rafig (UK): From theory to practice- Silane coated talc in polypropylene
17:20-17:40	OP 30 M. Yousfi (France): The role of nanotalc fillers as compatibilizers of PP/PA6 blends: Thermal and mechanical properties	OP 35 K. Renner (Hungary): Deformation processes and impact resistance in PP/elastomer/wood flour composites	OP 40 P. Brevnov (Russia): Structure and properties of polyethylene-graphite nanoplates nanocomposites prepared by in-situ polymerization
17:40-18:00	OP 31 R. Yahya (Malaysia): Melt mixed polypropylene/glass fibre/nanoclay hybrid composites: The effect of compatibiliser on morphological thermal and dynamic mechanical behaviours	OP 36 J. Moczo (Hungary): Thermoplastic starch/wood composites: Interfacial interactions and functional properties	OP 41 L. Tzounis (Germany): CNT-based nanostructured glass fiber coatings for novel composites with multifunctional interphases

Wednesday, August 28, 2013			
Chairperson	S. Iijima		
9:00-9:40	PL 4 D. de Rossi (Italy): Electroactive polymers and composites in bioengineering and robotics		
9:40-10:10	Coffee break		
	Session A	Session B	Session C
Chairpersons	M. Mičušík	A.S. Luyt	S.H. Anastasiadis
10:10-10:40	KN 22 M. Mannsberger (Austria): XPS depth profiling of polymer multilayer systems with a combined monatomic and gas cluster ion source	KN 24 U. Kosidlo (Germany): Processing, properties and applications of nanocarbon composites	KN 26 J. Njuguna (UK): Effect of multifiller reinforcement onto energy absorption performance of lightweight thermoplastic nanocomposites for automotive applications
10:40-11:10	KN 23 M.M. Chehimi (France): Aryl diazonium salts: new surface modifiers and coupling agents	KN 25 I. Krupa (Slovakia/Qatar): Electrically conductive composites for development of oil sensors	KN 27 F. Clegg (UK): Starch-clay paper coatings for sustainable, flexible packaging
11:10-11:30	OP 42 F. Simon (Germany): From carbon black to graphene – Surface modification and spectroscopy	OP 45 J. Pionteck (Germany): Sensing properties of TPU multifilament/CNT composites	OP 49 R. Pfaendner (Germany): Novel efficient stabilizer systems for filled polymers and nanocomposites
11:30-11:50	OP 43 B. Strzemiecka (Poland): Inverse gas chromatography as a tool for characterizing the surface chemistry of carbon blacks with different specific surface areas	OP 46 A. Rybak (Poland): Functional composite with core-shell filler for thermal management of electrical devices	OP 50 Ł. Klapiszewski (Poland): Advanced fillers based on uniform silica and lignin
11:50-12:10	OP 44 T.V. Phuong (Italy): Measurement of interfacial shear strength and interface interaction in nanofiller and natural fiber-reinforced polymer composites	OP 47 M. Tinkl (Switzerland): Use and benefits of calcium carbonate in plastics applications. S. Simsek (Turkey): Effects of stenter and interdigitation stretching process on breathability improvement in polyethylene films filled with surface treated calcium carbonate	OP 51 K. Siwińska-Stefańska (Poland): Synthesis and characterisation of TiO ₂ -SiO ₂ /hydroxyapatite hybrid systems
12:10-12:30		OP 48 S. Simsek (Turkey): Effects of stenter and interdigitation stretching process on breathability improvement in polyethylene films filled with surface treated calcium carbonate	OP 52 S. Kotera (Japan): Study of melt blown nonwoven fabrics based on ethylene-tetrafluoroethylene copolymer and its composites with polymethylmethacrylate
12:30-14:00	Lunch		
14:45	Red Stone Castle tour and Conference dinner		

Thursday, August 29, 2013			
	Session A	Session B	Session C
Chairpersons	H. Hamada	K. Pielichowski	V. Khunová
9:00-9:30	KN 28 J.M. Lopez-Cuesta (France): Hydrated minerals at nanometric scale for flame retardancy	KN 30 A.S. Luyt (South Africa): Preparation and characterization of completely biodegradable polymer-titania nanocomposites	KN 32 E. Campo (UK): Studies of alignment, structure, and non-covalent interactions of nanocomposites by NEXAFS
9:30-10:00	KN 29 D.Y. Wang (Spain): New ideas on fire retardancy of polymer nanocomposites	KN 31 G. Boiteux (France): Effect of barium titanate in thermoplastic elastomer based on poly(vinylidene fluoride) and epoxidized natural rubber blends	KN 33 I. Chodák (Slovakia): Determination of structure of reinforcing filler network by electrical conductivity of the polymer / carbon black composite
10:00-10:20	OP 53 C. Hoffendahl (France): Fire retardance of EVM-materials containing aluminium trihydroxide filler and melamine derivatives	OP 55 C. Chatzimanolis-Moustakas (Greece): Dielectric study of chitosan-GPTMS/TEOS nanocomposites thin films	OP 56 J. Mondal (Estonia): Graphene oxide and reduced graphene oxide based anti-corrosion coatings
10:20-10:40	OP 54 M. Casetta (France): Use of sulfamate derivatives to flame retard polyamide 6 fibres		OP 57 D. Bonacchi (Switzerland): Primary synthetic graphite and C-therm as fillers for thermal conductivity enhancement of HDPE compounds
10:40-11:10	Coffee break		
Chairpersons	M. Omastová and I. Chodák		
11:10-11:50	PL 5 U. Wagenknecht (Germany): New approaches towards flame retardant polymer		
11:50-12:10	Posters awards EUROFILLERS 2015 presentation		
12:10-12:30	Closing ceremony		
12:30-14:00	Lunch		
14:30-16:00	Visit on Polymer Institute SAS		