

**8th International Conference on Advanced Polymers via Macromolecular Engineering
Dresden, German, Oct. 4 to 7, 2009**

as of Oct. 1, 2009, 16:10

SCHEDULE

Sunday, Oct. 4, 2009

16:30-19:30 *Registration*
(Posters can be fixed right after registration and will up during the whole conference.)
18:00-20:00 *Welcome Mixer*

Monday, Oct. 5, 2009

8:00	<i>Registration</i>		
9:00-9:15	Opening: B. Voit Message of greetings: Prof. Dr. M. Ruck, Dean of the Faculty of Science of the Technische Universität Dresden		
9:15-9:50	P 1	K. Matyjaszewski: Advanced nanostructured materials by atom transfer radical polymerization	
09:50-10:25	P 2	D. N. Haddleton: Glycopolymers via catalytic chain transfer polymerisation and double click reactions	
10:25-11:00	<i>Break</i>		
	<i>K. Matyjaszewski</i>	<i>H. Frey</i>	<i>A. Thünemann</i>
11:00-11:20	A 1	B 1	C 1
	B. Voit: Functional block copolymers prepared by combining controlled radical polymerization and highly efficient polymer analogous reactions	S. Spange: Twin polymerisation - A new strategy for producing nanostructured materials	K. Saalwächter: Diffusion mechanisms and chain dynamics in swollen model networks as studied by NMR and FCS
11:20-11:40	A 2	B 2	C 2
	A. Dworak: Functional core-shell star-like polyacids and polyalcohols via controlled polymerizations	B. Ivan: Nanophasic amphiphilic polymer conetworks as a new material platform for specialty nanohybrids	K. Dušek: Gelation and swelling of biohybrid hydrogels
11:40-12:00	A 3	B 3	C 3
	J.-F. Lutz: New strategies for controlling polymer sequences	N. Ritter: Intrinsically microporous high performance polymers	J. Weber: Mesoporous, cross-linked poly(styrene)s and poly(acrylates) - Enlightning finer details of mesopore stability
12:00-12:20	A 4	B 4	C 4
	F. Böhme: Ionic polypseudorotaxanes bearing a chromophore in the side chain	D. Pospiech: Nanostructured polymer/silica hybrids obtained by using block copolymer templates: preparation, characterization and properties	M. Erber: Characterization of the molecular dynamic in thin polymer films in dependence on their macromolecular structure
12:50-14:00	<i>Lunch buffet and posters</i>		
	<i>R. Jordan</i>		
14:00-14:35	P 3	L. Leibler: Oleo-chemistry meets supramolecular chemistry: design of self-repairing materials	
14:35-15:10	P 4	T. Aida: Programmed self-assembly for tailoring electronic soft materials	

15:10-15:40	P 5 J. P. Kennedy: A novel bioartificial pancreas		
15:40-16:10	<i>Break</i>		
	<i>R. Jordan</i>	<i>S. Spange</i>	<i>K. Saalwächter</i>
16:10-16:30	A 5 H. Frey: Building polymer architectures with ethylene oxide: From a simple construction kit to novel biomaterials	B 5 Y. Lu: Well-defined crystalline TiO ₂ nanoparticles generated and immobilized on a colloidal nanoreactor	C 5 A. F. Thünemann: In situ analysis of size distributions of polymer-stabilized nanoparticles
16:30-16:50	A 6 R. Luxenhofer: Poly(2-oxazoline)s for biomedical applications: From synthesis to endocytosis	B 6 A. Wittemann: Fabrication of hybrid clusters by the combination of different spherical particles	C 6 E. Ozkaraoglu: Gold nanoparticles in PMMA matrix: in-situ synthesis and gold nanoparticle-PMMA interactions
16:50-17:10	A 7 H. T. T. Duong: Core cross-linked and shell RGD containing peptide conjugated micelles via RAFT polymerization	B 7 A. Synytska: Stimuli-responsive anisotropic Janus particles: design, switching behavior and orientational control	C 7 E. Birckner: Dilute solution photophysical properties of poly(dioctylfluorene)s incorporating different contents of DTT-S,S-dioxide
17:10-17:30	A 8 L. H. Gan: A novel stimuli-responsive organic/inorganic hybrid vesicles based on diblock copolymer of 2-(dimethylamino)ethyl methacrylate and 3-(trimethoxysilyl)propyl methacrylate	B 8 S. K. Dolui: Polythiophene based fluorescent sensor for acids and metal ions	C 8 J. W. Cho: Impact of hyperbranched polymer on conductivity and mechanical properties of carbon nanotube-polymer nanocomposites
17:30-17:50	A 9 E. Berndt: Synthesis and characterization of functional block and graft copolymers with defined architecture for switchable and biocidal anti-biofouling coatings	B 9 J. Pflieger: Semiconducting polymer composites with plasmonic nanoparticles: Optical and electrical properties	C 9 U. De: Diverse damage due to gamma and ion irradiations in thermal properties of PEO-based ion conducting polymers and related characterizations
18:00-20:30	Poster Session		

Tuesday, Oct. 6, 2009

	<i>Y. Yagci</i>		
9:00-9:35	P 6 K. Müllen: Chemistry of core-shell particles		
9:35-10:10	P 7 Y. Gnanou: The exceptional breadth of N-heterocyclic carbenes as catalysts of both chain and step-growth polymerizations		
10:10-10:45	P 8 O. Nuyken: Spinning disk reactor for polymers and nanoparticles		
10:45-11:15	<i>Break</i>		
	<i>D. Kuckling</i>	<i>T. Aida</i>	<i>A. Lederer</i>
11:15-11:35	A 10 A.H.E. Müller: Nanorods and nanowires: Soluble unimolecular hybrid materials from polymer templates	B 10 P. Papadopoulos: Hierarchies in the structural organization of spider silk - a quantitative model	C 10 M. Zhu: Controllable molecular architecture and fabrication of organic/inorganic hybrids through in-situ polyester synthesis

11:35-11:55	A 11 H. Ritter: Cyclodextrin-click-cucurbit[6]uril: Combi-receptor for supramolecular polymer systems in water	B 11 T. Uragami: Effect of addition of ionic liquid to polymer membranes on removal performance of VOCs in water	C 11 H. Palza: Effect of carbon nanotubes on the melt instabilities of polyethylenes
11:55-12:15	A 12 R. Buchmeiser: Sequence-selective, alternating ring-opening metathesis copolymerizations	B 12 S. Seiffert: Advanced fabrication of polymer microgels in microfluidic devices	C 12 J. Pionteck: Reactive polymers for interfacial modification of polymer blends
12:15-12:35	A 13 W. H. Binder: Structuring blockcopolymers under supramolecular and geometrical constraints	B 13 L. Ionov: Controlling biomolecular transport by smart polymers	C 13 R. Muñoz-Espí: Polymer-assisted strategies for crystallization of inorganic nanostructures
12:35-14:00	<i>Lunch buffet and posters</i>		
	<i>A. Müller</i>	<i>U. Wiesner</i>	<i>K. Dusek</i>
14:00-14:20	A 14 D. Kuckling: Synthesis of smart nano-materials	B 14 P. J. Lutz: New hybrid self-assembling macromolecular materials based on macromonomers and silsesquioxanes	C 14 A. Lederer: Separation of (hyper)branched polymers
14:20-14:40	A 15 A. Pich: Ampholytic microgels	B 15 M. D. Soucek: A new class of acrylated alkyds	C 15 M. Duškova-Smrckova: Swelling and elasticity of particulate composites with rubbery matrix
14:40-15:00	A 16 Y. Zhao: Photocontrollable polymer micelles: Dissociation and reversible cross-linking	B 16 M. Sangermano: Hybrid organic-inorganic coatings with excellent scratch resistance properties	C 16 H. Deligöz: Highly conductive non-aqueous composite polymer electrolytes based on ionic liquid and polyamic acid
15:00-15:20	A 17 R. Arun Prasath: Thiol-ene and thiol-yne 'click' chemistry for preparation of functional beads	B 17 Z. Czech: Synthesis and modification of biodegradable pressure-sensitive adhesives based on acrylic	C 17 U. Yahşi, H. Deligöz: A study on the investigation of a relationship between Free Volume and Ionic Conductivity of Polymer-Salt Electrolytes
15:20-15:40	A 18 M. Li: Preparation and application of N-succinyl chitosan immobilized with β -cyclodextrin	B 18 M. R. Whittaker: 'Smart' thermo-sensitive, anti-fouling hybrid polymer/gold nanoparticles with stealth attributes	C 18 M. Abdel Rehim et al.: Utilization of hyperbranched polymers in fabric finishing enhancing new properties
16:00	Departure for Sightseeing		
16:15	Sightseeing, Start: Theaterplatz		
18:00	Frauenkirche		
19:30	Dinner in the restaurant 'Pulverturm'		

Wednesday, Oct. 7, 2009

	<i>H. Ritter</i>	<i>M. Ballauff</i>	<i>B. Voit</i>
9:00-9:20	A 19 E. Jähne, H.-J. P. Adler: Phosphorous-containing oligo(ethylene glycol) derivatives for protein resistant metal oxides surfaces	B 19 J. Koetz: Polyelectrolyte-gold nanoparticles	C 19 R. M. Peetz: Homologous conjugated polymer chains and macrocycles containing group 4 heteroatoms
9:20-9:40	A 20 P. Vana: Functional surfaces via RAFT polymerization from solid surfaces	B 20 A. Fahmi, D. Appelhans: Nanofibres fabrication via self-assembled dendrimers templating in-situ metallic nanoparticles	C 20 D. A. M. Egbe: Anthracene-based PPE-PPVs for solar cell applications: Effect of side chains combination and density
9:40-10:00	A 21 A. Kiriya: Controlled surface initiated polycondensation: a new tool in engineering of functional architectures of conjugated polymers	B 21 R. Turcu, A. Nan: Encapsulation of functionalized magnetic nanoparticles in polymeric gels	C 21 G. Maier: 'Design rules' for fuel cell membranes
10:00-10:20	A 22 R. Jordan: Engineered polymer brushes by surface-initiated polymerization	B 22 J. Keilitz: Homogenization of heterogeneous catalysts: Stabilization of metal-nanoparticles by soluble dendritic architectures and applications thereof	C 22 B. Tiede: Coordinative supramolecular assembly of electrochromic films based on metal ion complexes of polyiminoarylenes with terpyridine substituent groups
10:20-10:40	A 23 M. Steenackers: Micro- and nanostructured polymer brushes by carbon templating	B 23 O. Weichold: Silver/poly(ethylene terephthalate) hybrid materials with anisotropic electrical conductivity by solvent crazing	C 23 H.-W. Schmidt: Polymer blends with azobenzene-containing blockcopolymers and azobenzene-containing molecular glasses as stable rewritable volume holographic media
10:40-11:10	<i>Break</i>		
	<i>H.-J. Adler</i>		
11:10-11:45	P 9 U. Wiesner: Combining polymer science with inorganic chemistry into novel materials		
11:45-12:20	P 10 Y. Yagci: Inorganic/polymer hybrid nanocomposites by photochemical and controlled polymerization processes		
12:20-12:55	P 11 M. Ballauff: Hybrids of metallic nanoparticles and polymer colloids: Synthesis, characterization, and applications in catalysis		
12:55-13:05	<i>Closing</i>		