

Sunday, October 24th		
14:00-19:00	Registration opens	
19:00-20:30	Welcome Reception	Creta Maris Conference Centre

Monday, October 25th		
07:30	Registration opens	
08:00-08:30	Opening Address	Pitsikalis M, Iatrou H, Hadjichristidis N, Penczek S, San Roman J MINOS North & South
Session PL		Chair: Hadjichristidis N
08:30-09:15	Plenary Session	PL1 Fetters, L.J.
09:15-10:00	Plenary Session	PL2 Roovers, J.
10:00-10:15	Coffee Break	
Session 1A		Chair: Mays J, Puskas J MINOS North & South
10:15-10:45	Single Session	A1 Wegner, G.
10:45-11:15	Single Session	A2 Endo, T.
11:15-11:45	Single Session	A3 Penczek, S.
11:45-12:15	Single Session	A4 Quirk, R.
12:15-14:00	Lunch	
Session 2A		Chair: Lohse D, Green P MINOS North & South
14:00-14:30	Single Session	A5 Russell, T.
14:30-15:00	Single Session	A6 Richter, D.
15:00-15:30	Single Session	A7 Ober, C.
15:30-16:00	Single Session	A8 Stamm, M.
16:00-16:15	Break	
Session 3A		Chair: Long T, Tezuka Y MINOS North & South

16:15-16:45	Single Session	A9 Sawamoto, M.
16:45-17:15	Single Session	A10 Percec, V.
17:15-17:45	Single Session	A11 Matyjaszewski, K.
17:45-18:15	Single Session	A12 Hirao, A.

Tuesday, October 26 th		
Session 1B		Chair: Kitayama T, Chang T
		MINOS North & South
08:30-09:00	Single Session	B1 Gnanou, Y.
09:00-09:30	Single Session	B2 Faust, R.
09:30-10:00	Single Session	B3 Haddleton, D.
10:00-10:15	Coffee Break	
Session 2B		Chair: Lecommandoux S, Klok HA
		MINOS North & South
10:15-10:45	Single Session	B4 Spiess, H.
10:45-11:15	Single Session	B5 Khokhlov, A.
11:15-11:45	Single Session	B6 Antonietti, M.
11:45-12:15	Single Session	B7 Giannelis, E.
12:15-14:00	Lunch	
Session 3B		Chair: Alexandridis P, Stamm M
		MINOS North & South
14:00-14:30	Single Session	B8 Leibler, L.
14:30-15:00	Single Session	B9 Hatzioannou, G.
15:00-15:30	Single Session	B10 Vancso, G.J.
15:30-16:00	Single Session	B11 Manners, I.
16:00-16:15	Break	
Session 4B		Chair: Malliaras G, Schulz D
		MINOS North & South
16:15-16:45	Single Session	B12 Muller, A.H.E

16:45-17:15	Single Session	B13 Deming, T.
17:15-17:45	Single Session	B14 Voit, B.
17:45-18:45	Single Session	Tribute to Prof. Hadjichristidis
20:30	Conference Dinner	

Wednesday, October 27th			
Session 1C		Chair: Hasegawa H, Jinnai H MINOS North & South	
08:30-09:00	Single Session	C1 Klein, J.	
09:00-09:30	Single Session	C2 Ryan, T.	
09:30-10:00	Single Session	C3 Balsara, N.	
10:00-10:30	Single Session	C4 Colmenero, J.	
10:30-11:00	Single Session	C5 Mortensen, K.	
11:00-11:15	Coffee Break		
Session 2C		Chair: Sheiko S, Muller AJ MINOS North & South	
11:15-11:45	Single Session	C6 Moeller, M.	
11:45-12:15	Single Session	C7 Kremer, K.	
12:15-12:45	Single Session	C8 Milner, S.	
12:45-13:15	Single Session	C9 Ikkala, O.	
13:15-15:00	Lunch		
Session 3D/3E		Chair: Kakuchi K Papadimitrakopoulos F MINOS North & South	Chair: Fytas G, Acar M MINOS East
15:00-15:30	Parallel Session	D1 Long, T.	E1 Hasegawa, H.
15:30-16:00	Parallel Session	D2 Tezuka, Y.	E2 Jinnai, H.
16:00-16:30	Parallel Session	D3 Baskaran, D.	E3 Green, P.
16:30-17:00	Parallel Session	D4 Jerome, C.	E4 Alexandridis, P.
17:00-17:30	Parallel Session	D5 Simitzis I.	E5 Kallitsis, I.

18:00-19:30	Poster Session	Poster Session & Exhibition by Kathleen W. Schulz - The Sea: Reality to Abstraction. (OLYMPUS)
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Thursday, October 28 th			
		Room...	Room...
Session 1F/1G		Chair: Patrickios C, Yashima E	Chair: Abetz V, Yagci Y
		MINOS North & South	MINOS East
08:30-09:00	Parallel Session	F1 Mays, J.	G1 Lecommandoux, S.
09:00-09:30	Parallel Session	F2 Puskas, J.	G2 Klok, H.A.
09:30-10:00	Parallel Session	F3 Kitayama, T.	G3 Malliaras, G.
10:00-10:15	Coffee Break		
Session 2F/2G		Chair: Jerome C, Lee JS	Chair: Panayiotou C, Tsitsilianis C
		MINOS North & South	MINOS East
10:15-10:45	Parallel Session	F4 Kakuchi, K.	G4 San Roman del Barrio J.
10:45-11:15	Parallel Session	F5 He, J.	G5 Fytas, G.
11:15-11:45	Parallel Session	F6 Chang, T.	G6 Abetz, V.
11:45-12:15	Parallel Session	F7 Iliopoulos I.	G7 Floudas, G.
12:15-14:00	Lunch		
Session 3F/3G		Chair: He J, Baskaran D	Chair: Weidisch R, Floudas G
		MINOS North & South	MINOS East
14:00-14:30	Single Session	F8 Müllen, K.	
14:30-15:00	Parallel Session	F9 Lee, JS.	G8 Garcia-Franco, C.

15:00-15:30	Parallel Session	F10 Sheiko, S.	G9 Yashima, E.
15:30-16:00	Parallel Session	F11 Kyparissidis, K.	G10 Muller, A.J.
16:00-16:30	Parallel Session	F12 Tsitsilianis, C.	G11 Theodorou, D.
16:30-17:00	Parallel Session	F13 Anastasiadis, S.	G12 Panayiotou, C.
17:30-19:00	Poster Session	Poster Session & Exhibition by Kathleen W. Schulz - The Sea: Reality to Abstraction. (OLYMPUS)	

Friday , October 29th			
		Room...	Room...
Session 1H/II		Chair: Iliopoulos I, Anastasiadis S	Chair: Colby R, Vlassopoulos D
		MINOS North & South	MINOS East
08:30-09:00	Parallel Session	H1 Papadimitrakiopoulos F.	I1 Lohse, D.
09:00-09:30	Parallel Session	H2 Yagci, Y.	I2 Patrickios, C.
09:30-10:00	Parallel Session	H3 Tsvetanov, C.	I3 Toprakcioglu, C.
10:00-10:15	Coffee Break		
Session 2H/2I		Chair: San Roman del Barrio J, Tsvetanov C	Chair: Garcia-Franco C, Theodorou D
		MINOS North & South	MINOS East
10:15-10:45	Parallel Session	H4 Colby, R.	I4 Schulz, D.
10:45-11:15	Parallel Session	H5 Vlassopoulos, D.	I5 Acar, M.
11:15-11:45	Parallel Session	H6 Weidisch, R.	I6 Galiotis, C.
11:45-12:15			I7 Lutz P.
12:15-12:30	Closing Remarks		

Monday, 25th October

(08:30-09:15) Fetters, L. J. Packing length: The role of polymer structure on melt rheology

(09:15-10:00) Roovers J. ENKOMIO – Ring polymers

(10:00-10:15) Coffee Break

Session 1A **Chair: Mays J, Puskas J**

(10:15-10:45) Wegner, G. Poly-p-phenylenes: How advances in polymer synthesis paved the way to new polymer physics

(10:45-11:15) Endo, T. Establishment of a novel amino acid NCAs synthesis and their application to polypeptide synthesis

(11:15-11:45) Penczek, S. Peculiarities in cyclic esters copolymerizations (mostly lactides)

(11:45-12:15) Quirk, R.P. Anionic synthesis of well-defined, chain-end and in-chain functionalized polymers

(12:15-14:00) Lunch

Session 2A **Chair: Lohse D, Green P**

(14:00-14:30) Russell T. P. Routes for using polymer in photovoltaic applications

(14:30-15:00) Richter, D. On the dynamics of polymers in nanocomposites and under confinement

(15:00-15:30) Ober, C. Self-assembly and directed assembly: Tools for current challenges in nanofabrication

(15:30-16:00) Stamm, M. Use of self-assembly of copolymers for generation of nanotemplates and nanostructures

(16:00-16:15) Coffee Break

Session 3A **Chair: Long T, Tezuka Y**

(16:15-16:45) Sawamoto, M. Precision synthesis of topologically designed functional polymers by living radical and cationic polymerizations

(16:45-17:15) Percec, V. Bioinspired synthesis of complex functional systems

(17:15-17:45) Matyjaszewski, K. Stars, nanogels and microgels via ATRP with divinyl (co)monomers

(17:45-18:15) Hirao, A. Chain-end-functionalized AB diblock copolymers as efficient building blocks for the synthesis of well-defined architectural polymers

Tuesday, 26th October

Session 1B **Chair: Kitayama T, Chang T**

(08:30-09:00) Gnanou, Y. N-Heterocyclic carbenes as powerful catalysts of polymerization

(09:00-09:30) Faust, R. Synthesis, characterization and biostability of novel polyisobutylene based thermoplastic polyurethanes

(09:30-10:00) Haddleton, D. Polymers designer macromolecules for applications from therapeutics to automotives

(10:00-10:15) Coffee Break

Session 2B **Chair: Lecommandoux S, Klok A**

(10:15-10:45) Spiess, H. Interplay of structure and dynamics in macromolecular and supramolecular systems

(10:45-11:15) Khokhlov, A. Block copolymer thin films assembled at a patterned substrates

(11:15-11:45) Antonietti, M. Biomimetic polymer science: Control and emergence

(11:45-12:15) Giannelis, E. Nanocomposites for energy applications

(12:15-14:00) Lunch

Session 3B **Chair: Alexandridis P, Stamm M**

(14:00-14:30) Leibler, L. Soldering of carbon nanotubes for synthesis of high performance composites

(14:30-15:00) Hatzioannou, G. Macromolecular design of semiconductive polymers towards thermodynamically stable organic photovoltaic active materials and devices

(15:00-15:30) Vancso, G.S. Hybrids of soft and hard matter: Designer functional polymer-metal and polymer-semiconductor nanostructures

(15:30-16:00) **Manners, I.** Living self-assembly of block copolymers-a route to controlled supramolecular architectures

(16:00-16:15) **Coffee Break**

Session 4B **Chair: Malliaras G, Schulz D**

(16:15-16:45) **Muller, A.** Self-organized multi-compartment nanostructures from new triblock terpolymers

(16:45-17:15) **Deming, T.** Recent developments in use of transition metal initiators for polypeptide synthesis

(17:15-17:45) **Voit, B.** Multifunctional block copolymers by controlled radical polymerization

(17:45-18:45) **Tribute to Prof. Hadjichristidis**

20:30 Conference Dinner

Wednesday 27th, October

Session 1C **Chair: Hasegawa H, Jinnai H**

(08:30-09:00) **Klein, J.** Polyzwitterionic brushes: Extreme lubrication by design

(09:00-09:30) **Ryan, T.** Flow induced crystallisation of polymers

(09:30-10:00) **Balsara, N.** Dry block copolymer electrolytes for lithium batteries

(10:00-10:30) **Colmenero, J.** Chain dynamics in blends of non-entangled polymers showing dynamic asymmetry

(10:30-11:00) **Mortensen, K.** The nano-scale structure of polymer amphiphilic systems: tailored new phases and applications as smart materials

(11:00-11:15) **Coffee Break**

Session 2C **Chair: Sheiko S, Muller AJ**

(11:15-11:45) **Moeller, M.** Self-assembled mono- and multilayers in hierarchically organized thin films - from polymerosomes to functional oligothiophene films

(11:45-12:15) Kremer, K. Topological constraints in soft matter physics or common aspects of elastomers and chromosome territories

(12:15-12:45) Milner, S.T. Tricks with rings

(12:45-13:15) Ikkala, O. From self-assemblies and hierarchies to biomimetics

(13:15-15:00) Lunch

Session 3D **Chair: Kakuchi K, Papadimitrakopoulos F**

(15:00-15:30) Long, T. The synergy of sequence and charge in block copolymer design: From electromechanical transducers to gene delivery vectors

(15:30-16:00) Tezuka, Y. Topological polymer chemistry in pursuit of multicyclic macromolecular architectures

(16:00-16:30) Baskaran, D. Unusual copolymerization behavior of living poly(4-vinyl benzocyclobutene) anions in non-polar solvent

(16:30-17:00) Jerome, C. Macromolecular engineering to the service of advanced drug delivery systems

(17:00-17:30) Simitzis, I. Recent research on electrically conducting polymers, polymeric carbons and biopolymers

Session 3E **Chair: Fytas G, Acar M**

(15:00-15:30) Hasegawa, H. Guided self-assembly in ABC triblock terpolymers

(15:30-16:00) Jinnai, H. Transmission electron microtomography for better understanding of complicated block copolymer self-assemblies

(16:00-16:30) Green, P. Structure of thin film polymer nanocomposites: polymer/nanoparticle and polymer/spherical micelle systems

(16:30-17:00) Alexandridis, P. Amphiphilic block copolymer-mediated nanoparticle morphogenesis and stabilization

(17:00-17:30) Kallitsis, I. Semiconducting polymer based polymeric brushes and carbon nanotube hybrids for molecular electronics

(18:00-19:30) Poster Session

Thursday 28th, October

Session 1F Chair: Patrickios C, Yashima E

(08:30-09:00) Mays, J. Synthesis, morphology, and properties of branched block copolymers

(09:00-09:30) Puskas, J. Green polymer chemistry: Precision synthesis of novel dendrimers using enzymatic catalysis

(09:30-10:00) Kitayama, T. Stereoblock polymethacrylates syntheses, stereocomplex-formation, and properties

Session 1G Chair: Abetz V, Yagci Y

(08:30-09:00) Lecommandoux, S. Multifunctional biomimetic polymersomes for biomedical applications

(09:00-09:30) Klok, H.A. Precision synthesis of diagnostic and sensory polymer brushes

(09:30-10:00) Malliaras, G. Organic electronics at the interface with biology

(10:00-10:15) Coffee Break

Session 2F Chair: Jerome C, Lee JS

(10:15-10:45) Kakuchi, K. Group transfer polymerization catalyzed by super bronsted acid

(10:45-11:15) He, J. Continuous synthesis of dendrimer-like polymers by anionic polymerization through mddpe chemistry

(11:15-11:45) Iliopoulos I.

(11:45-12:15) Chang, T. HPLC characterization of branched polymers

Session 2G Chair: Panagiotou K, Tsitsilianis C

(10:15-10:45) San Roman del Barrio, J. Contribution of polymer systems and composites to regenerative medicine. New materials and advanced technologies

(10:45-11:15) Fytas, G. Colloidal vibration spectroscopy

(11:15-11:45) Abetz, V. Block copolymer membranes

(11:45-12:15) Floudas, G. Polypeptide self-assembly and dynamics in block copolymers

(12:15-14:00) Lunch

Session 3F**Chair: He J, Baskaran D**

(14:00-14:30) **Mullen, K.** Macromolecules, assemblies, particles - A discovery journey in materials synthesis

(14:30-15:00) **Lee, J.S.** Chirality of well-controlled polyisocyanates

(15:00-15:30) **Sheiko, S.** Stressed Macromolecules

(15:30-16:00) **Kyparissidis, K.** A novel stochastic approach for the prediction of the exact topological characteristics and rheological properties of highly-branched polymer chains

(16:00-16:30) **Tsitsilianis, C.** Self assembly of responsive block polyampholyte terpolymers in aqueous media

(16:30-17:00) **Anastasiadis, S.** Macromolecular architecture effects on the micellization in block copolymer / homopolymer mixtures

Session 3G**Chair: Weidisch R, Floudas G**

(14:00-14:30)

(14:30-15:00) **Garcia-Franco, C.** Polymer architecture-rheology relationships

(15:00-15:30) **Yashima, E.** Synthesis and function of helical polymers and oligomers

(15:30-16:00) **Muller, A. J.** Supernucleation in nanocomposites and confinement effects on the crystallizable components within block copolymers, miktoarm star copolymers and nanocomposites

(16:00-16:30) **Theodorou, D.** Predicting physical properties of polyolefins from molecular simulation

(16:30-17:00) **Panagiotou, K.** Porous polymers processed with supercritical fluids

(17:30-19:00) **Poster Session OLYMPUS**

Friday 29th, October

Session 1H**Chair: Iliopoulos I, Anastasiadis S**

(08:30-09:00) **Papadimitrakopoulos, F.** Squeezing out perfection from single walled carbon nanotubes

(09:00-09:30) Yagci, Y. Macromolecular syntheses by photochemical methods

(09:30-10:00) Tsvetanov, C.B. A new mild approach for encapsulation of DNA

Session 1I **Chair: Colby R, Vlassopoulos D**

(08:30-09:00) Lohse, D. The need for well-defined macromolecules on the frontiers of polymer science and technology

(09:00-09:30) Patrickios, C. Synthesis and dissection of end-linked polymer networks: A new method to functional star polymers

(09:30-10:00) Toprakcioglu, C. Polymer brushes in nanoporous confinement

(10:00-10:15) Coffee Break

Session 2H **Chair: San Roman del Barrio J, Tsvetanov CB**

(10:15-10:45) Colby, R. Designing ion-containing polymers for facile ion transport

(10:45-11:15) Vlassopoulos, D. Molecular rheology with model polymers: combs and dendritics

(11:15-11:45) Weidisch, R. Mechanical properties and deformation of superelastic polymers

(11:45-12:15)

Session 2I **Chair: Garcia-Franco C, Theodorou D**

(10:15-10:45) Schulz, D. Polyolefins-Their role in sustainable development

(10:45-11:15) Acar, M. Baroplastic elastomers: Room temperature processing

(11:15-11:45) Galiotis, C. Mechanical deformation of graphene and graphene/ polymer nanocomposites

(11:45-12:15) Lutz, P.

(12:15-12:30) Closing Remarks