

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

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

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

**Tuesday, October 26<sup>th</sup>**

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

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

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

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

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

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

## Monday, 25<sup>th</sup> October

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**(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, 26<sup>th</sup> October**

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### **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 27<sup>th</sup>, October**

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**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 28<sup>th</sup>, October

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### 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 29<sup>th</sup>, October**

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**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**