

[IUPAC-FAPS 2017 Program Timetable]

Date/ Time	October 11 (Wednesday)			
13:00-14:00	Registration			
14:00-14:15	[Room: 201]	Opening Ceremony		
14:15-15:00	[Room: 201]	[PL1] Active Polymers and Supramolecules: Surprises and Research Opportunities Steve GRANICK (Ulsan National Institute of Science and Technology (UNIST), Korea) *Chair: Kilwon CHO (Pohang University of Science and Technology (POSTECH), Korea)		
15:00-15:45	[Room: 201]	[PL2] Multifunctional Supramolecular Nanoplatfoms with Stimuli-Responsive Surfaces Chulhee KIM (Inha University, Korea) *Chair: Atsushi TAKAHARA (Kyushu University, Japan)		
15:45-16:00	Break (15 min)			
Room	201	202A	202B	203
Session	S4. Smart & Functional Polymers	S2. Polymer Physics and Characterization	S1. Recent Developments in Polymer Synthesis	S6. Polymers for Emerging Technologies
Chair	Yun-Hi KIM / Hiroyuki NISHIDE	Eunji LEE / S. RAMAKRISHNAN	Bai YANG / Jeffrey PYUN	Eunyoung KIM / Rusli DAIK
16:00-16:25	[ILS4-01] Synthesis of Conjugated Polymers for OPV Applications Chain-Shu HSU (National Chiao Tung University, Taiwan)	[ILS2-01] Homochiral Evolution in Self-Assembled Chiral Polymers and Block Copolymers Rong-Ming HO (National Tsing Hua University, Taiwan)	[ILS1-01] Sustained Release of Uricase for Treating the Hyperuricemia by Injectable Hybride Hydrogel Doo Sung LEE (Sungkyunkwan University, Korea)	[ILS6-01] Surface-directed Assembly of Conjugated Molecules in Organic Electronics Kilwon CHO (Pohang University of Science and Technology (POSTECH), Korea)
16:25-16:50	[ILS4-02] Facile Route To Control the Ambipolar Transport in Organic Semiconducting Polymers Yun-Hi KIM (Gyeongsang National University, Korea)	[ILS2-02] Multicompartment Nanostructure Assembly of Block Amphiphiles Eunji LEE (Chungnam National University, Korea)	[ILS1-02] The Preparation and Properties of Polymer Carbon Dots Bai YANG (Jilin University, China)	[ILS6-02] Nanofluids of Electroactive Polymers Rusli DAIK (Universiti Kebangsaan Malaysia, Malaysia)
16:50-17:15	[ILS4-03] Self-organization in Materials Science: From Quantum-dot-LEDs to Mechanical Actuators Rudolf ZENTEL (Johannes Gutenberg University, Germany)	[ILS2-03] Immiscibility Driven Folding of Periodically Grafted Amphiphilic Copolymers S. RAMAKRISHNAN (Indian Institute of Science, India)	[ILS1-03] Synthesis of Single Network Cubic Structures Templated with Polymer Cubosomes Kyoung Taek KIM (Seoul National University, Korea)	[ILS6-03] Si-Containing Polymers as an Enabling Materials Platform for Nanoelectronic Manufacturing Qinghuang LIN (IBM Thomas J. Watson Research Center, USA)
17:15-17:40	[ILS4-04] Organic Polymers for Chemically Carrying and Storing Hydrogen Hiroyuki NISHIDE (Waseda University, Japan)	[ILS2-04] Multifunctional Anisotropic Liquid Crystal Networks from Reactive Mesogens Kwang-Un JEONG (Chonbuk National University, Korea)	[ILS1-04] Dancing in the Dark with Sulfur & Selenium: Chalcogenide Hybrid Inorganic/Organic Polymers (Chips) for Infrared Thermal Imaging Jeffrey PYUN (University of Arizona, USA)	[ILS6-04] Photothermal Folding of 2D Structures into a 3D Structure Based on Conducting Polymers Eunyoung KIM (Yonsei University, Korea)
17:40-18:30	Break			
18:30-20:00	Welcome Reception			

[IUPAC-FAPS 2017 Program Timetable]

Date/ Time	October 12 (Thursday)			
8:30-9:00	Registration			
9:00-10:30	Poster Session II			
Room	201	202A	202B	203
Session	S4. Smart & Functional Polymers	S5. Biopolymers & Biomedical Engineering	S1. Recent Developments in Polymer Synthesis	S6. Polymers for Emerging Technologies
Chair	Kyungkon KIM / Show-An CHEN	Seung-Wuk LEE / Manickam JAYAKANNAN	Kyoung Taek KIM / Zhenjiang LI	Dukjoon KIM / Chang Yeol RYU
10:30-10:55	[ILS4-05] From Dynamic Self-Assembly to Artificial Cellular Machines Myongsoo LEE (Jilin University, China)	[ILS5-01] Injectable Hydrogel Made of Four-arm Star PEG for Cartilage Tissue Engineering Chi WU (The Chinese University of Hong Kong, Hong Kong)	[ILS1-05] Synthesis of Hyperbranched Polyamidoamine Micro-hydrogel Particles by Inverse Suspension Condensation Polymerization Sang Youl KIM (Korea Advanced Institute of Science and Technology (KAIST), Korea)	[ILS6-05] Surface Properties of Polymeric Solids Directly Modified via Surface Initiated Radical Polymerization Atsushi TAKAHARA (Kyushu University, Japan)
10:55-11:20	[ILS4-06] Double Interpenetrating Networks: Microphase Separation in Collapsed and Swollen States Alexander CHERTOVICH (Lomonosov Moscow State University, Russia)	[ILS5-02] Biodegradable Block Copolymer Platform for Cancer Treatment Manickam JAYAKANNAN (Indian Institute of Science Education and Research, Pune (IISER PUNE), India)	(10:55-11:15) [ORS1-01] Preparation of Polymer Brushes with Multi-Helical Structure Tomoyasu HIRAI (Kyushu University, Japan)	[ILS6-06] UV Curing of Highly Viscous Epoxy Resin - Glycidyl POSS Chang Yeol RYU (Rensselaer Polytechnic Institute, USA)
11:20-11:45	[ILS4-07] New Hybrid Materials Based on Element-Blocks Yoshiki CHUJO (Kyoto University, Japan)	[ILS5-03] Biomimetic Self-Templating Materials and Application Seung-Wuk LEE (University of California, USA)	(11:15-11:35) [ORS1-02] Preorganized Dual H-Bond Donor Promotes Benzoic Acid Active in Polymerization of δ -Valerolactone: Inspiration from Cyclases Zhenjiang LI (Nanjing Tech University, China)	[ILS6-07] Anti-oxidative Polymer Electrolyte Membranes Based on Poly(arylene ether ketone) for Fuel Cell Dukjoon KIM (Sungkyunkwan University, Korea)
11:45-12:05	[ORS4-01] Fabrication of Graphite Nanofiber Pore Decorated Honeycomb Patterned Porous Films by Self-Assembly Jeevan Kumar Reddy MODIGUNTA (Inje University, Korea)	[ORS5-01] Tuning Surface Groups in Designing Nanocarriers to Treat Retinal Diseases Yoonkyung KIM (Korea Research Institute of Bioscience and Biotechnology (KRIBB), Korea)	(11:35-11:55) [ORS1-03] Acetalised Galactarate Polyesters: An Outlook over the Optimisation of the Reaction, the Thermo-mechanical, Dielectric and Stability Properties Ionela GAVRILA (University of Groningen, Netherlands)	[ORS6-01] Switchable Hydrophilicity of Heterogeneous Polymer Photocatalyst for the Enhanced Catalytic Activity Jeehye BYUN (Max Planck Institute for Polymer Research, Germany)
12:05-12:25	[ORS4-02] Three-Dimensional Block Copolymer Nanostructures by Wetting Nanopores in Anodic Aluminum Oxide Templates Jiun-Tai CHEN (National Chiao Tung University, Taiwan)		(11:15-12:15) [ORS1-04] Synthesis and Application of Radiation Curable Epoxy Acrylates Based on Natural Polymer Nik Ghazali NIK SALLEH (Malaysian Nuclear Agency, Malaysia)	[ORS6-02] Aqueous Acrylic Emulsion Prepared from Crosslinkable Surfactants Aurelio S. GARCIA Jr (Chemrez Incorporated, Philippines)
12:25-14:00	Lunch			
14:00-14:15	[Room: 201]	Ceremony for Distinguished Fellowship (15')		
14:15-15:00	[Room: 201]	[PL3] Liquid Crystals and Supramolecular Assemblies as New Future Materials Takashi KATO (The University of Tokyo, Japan) *Chair: Rong-Ming HO (National Tsing Hua University, Taiwan)		
15:00-16:00	[Room: 201]	[PL4] Fifty Years of the Baier Cure: Environmentally Friendly Antifouling and Fouling Release Coatings based on Self-assembly (& Short Briefing on IUPAC) Christopher K. OBER (Cornell University, USA) *Chair: Jung-Il Jin (Korea University, Korea)		
16:00-16:20	Break (20 min)			
Room	201	202A	202B	203
Session	S4. Smart & Functional Polymers	S4. Smart & Functional Polymers	S3. Polymer Engineering & Processing	S6. Polymers for Emerging Technologies
Chair	Dong Ki YOON / Rudolf ZENTEL	Kwang-Un JEONG / Xiao 'Matthew' HU	Young Jin KIM / Ashok MISRA	Yi ZHANG / S. SIVARAM
16:20-16:45	[ILS4-08] Bulk Heterojunction for Organic Solar Cell Prepared by Sequential Deposition Process Kyungkon KIM (Ewha Womans University, Korea)	[ILS4-10] Alignment Control of Lyotropic Liquid Crystalline Phases in Inorganic Polymer Films and Its Fixation Mitsuo HARA (Nagoya University, Japan)	[ILS3-01] Processing of Polyvinylidene Fluoride for Tailoring Properties Ashok MISRA (Indian Institute of Science, India)	[ILS6-08] Facilitated Transport in the Solid State and their Applications Yong Soo KANG (Hanyang University, Korea)
16:45-17:10	[ILS4-09] Semiconductive Polymers for Opto-Electronic Interconversion Show-An CHEN (National Tsing Hua University, Taiwan)	[ILS4-11] Stimuli Responsive Ionic Liquids and Ionic Liquid Based Polymers Xiao 'Matthew' HU (Nanyang Technological University, Singapore)	[ILS3-02] Preparation and Properties Characterization of Natural Rubber Nanocomposites Using Latex Mixing Route Ngo Trinh TUNG (Vietnam Academy of Science and Technology, Vietnam)	[ILS6-09] Functional Porous Polymers as Separator Membranes for Lithium Ion Battery S. SIVARAM (Indian Institute of Science Education and Research, Pune, India)
17:10-17:30	[ORS4-03] Triboelectrification Enhancement in Soft Motions through Conformal Contact of Film Covered Pillar Ju Hyun LEE (Pohang University of Science and Technology (POSTECH), Korea)	[ORS4-05] Chitosan Hydrogel based Nano-Composite System with Self-Healing Ability: Films and Patches Achyut KONWAR (Institute of Advanced Study In Science and Technology (IASST), India)	[ORS3-01] Programmable Assemblies of Microparticles via Topographical Jamming Seunggun YU (Korea Institute of Science and Technology (KIST), Korea)	(17:10-17:35) [ILS6-10] High-performance Intrinsic Ultralow- k Polyimide Films: Design, Synthesis and Properties Yi ZHANG (Sun Yat-sen University, China)
17:30-17:50	[ORS4-04] Nanoconfinement for Stable and Efficient Organic Solar Cells Jongkuk KO (Seoul National University, Korea)	[ORS4-06] Structure and Properties of Complex Coacervate Core Micelles Tae-Young HEO (Hongik University, Korea)	[ORS3-02] Innovative and Novel Method for Fabricating Nanofiber: Handspinning Hoik LEE (Shinshu University, Japan)	(17:35-17:55) [ORS6-03] An Effective Method to Prepare Crosslinked Sulfonated Poly (ether ketone)s with High Ion Exchange Capacity for Low Temperature PEM Fuel Cell Shih-Wei LEE (National Taiwan University of Science and Technology, Taiwan)
17:50-18:10			[ORS3-03] Composition for Eco-friendly Polyurethane Foam with Improved Storage Stability and Antioxidant Property Including Isosorbide-diol Gwangseok SONG (Samyang Corporation, Korea)	

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Date/ Time	October 13 (Friday)			
8:30-9:00	Registration			
9:00-9:45	[Room: 201] *Chair: Myongsoo LEE (Jilin University, China)	[PL5] Controllable Supramolecular Polymerization Xi ZHANG (Tsinghua University, China)		
9:45-10:00	Break (15 min)			
Room	201	202A	202B	203
Session	S4. Smart & Functional Polymers	S5. Biopolymers & Biomedical Engineering	S1. Recent Developments in Polymer Synthesis	S6. Polymers for Emerging Technologies
Chair	Young Jong KANG / Suhrit GHOSH	So-Jung PARK / Yury SHCHIPUNOV	Jeung Gon KIM / Zhibo LI	Pil Jin YOO / Yoshinori TAKASHIMA
10:00-10:25	[ILS4-12] Quantum Dot-Based Organic-Inorganic Hybrid Materials for Optoelectronic Applications Kwang-Sup LEE (Hannam University, Korea)	[ILS5-04] Polymerized siRNA as RNAi Therapeutics Ick Chan KWON (Korea Institute of Science and Technology (KIST), Korea)	[ILS1-06] Phosphazene Base as Organocatalyst for Ring-Opening Polymerization of Cyclic Esters 13 일 Zhibo LI (Qingdao University of Science and Technology, China)	[ILS6-11] Benzoxazine as a Building Block for Responsive Polymers Suwabun CHIRACHANCHAI (Chulalongkorn University, Thailand)
10:25-10:50	[ILS4-13] Functional Polymers for Photonics and Optoelectronics Applications Der-Jang LIAW (National Taiwan University of Science and Technology, Taiwan)	[ILS5-05] Fabrication and Characterization of Structured Polymeric Scaffolds for Tissue Engineering Application Ayse Zehra AROGUZ (Istanbul University, Turkey)	[ILS1-07] Low Carbon Polyurethane from CO ₂ , High Performance from New Structure Xianhong WANG (Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China)	[ILS6-12] Stimuli Responsive Supramolecular Materials using Host-guest Complexes Yoshinori TAKASHIMA (Osaka University, Japan)
10:50-11:15	[ILS4-14] Advances in High-performance Materials for Fullerene-Free Polymer Solar Cells Dong Hoon CHOI (Korea University, Korea)	[ILS5-06] Soluble Polyelectrolyte Complexes of Polysaccharides Yury SHCHIPUNOV (Russian Academy of Sciences, Russia)	(10:50-11:10) [ORS1-05] Polymerization of Styrene with Organoboron Compounds Chao ZHAO (Kochi University of Technology, Japan)	[ILS6-13] Stimuli-triggered Degradation of Polyesters via Intramolecular Cyclization Zi-Chen LI (Peking University, China)
11:15-11:35	[ORS4-07] Gated Homochiral Porous Nanosheets for Enantiomer Sieving Membranes with Molecular Pumping Yongju KIM (Jilin University, China)	[ORS5-02] Mitochondria Localization-induced Self-Assembly (OLISA) for New Cancer Therapy Ja-Hyoung RYU (Ulsan National Institute of Science and Technology (UNIST), Korea)	(11:10-11:30) [ORS1-06] Mechanistic Insights of Insertion of Difunctional Olefins and Copolymerization with Ethylene Shahaji R. GAIKWAD (CSIR-National Chemical Laboratory, Pune, India)	[ORS6-05] Stimuli-Responsive Polysulfobetaine Coacervates Vivek Arjunan VASANTHA (Agency for Science, Technology and Research (A*STAR), Singapore)
11:35-11:55	[ORS4-08] Towards Functionalized Honeycomb Patterned Porous Films: Interfacial Reaction a Smart Approach Umashankar MALE (Inje University, Korea)	[ORS5-03] Polysaccharide Nano-vesicles for Combination Therapy in Cancer Nilesh Umakant Rao DESHPANDE (Indian Institute of Science Education and Research, Pune (IISER PUNE), India)	(11:30-11:50) [ORS1-07] Synthesis and Characterization of Negative Tone Photoresist Using Photoacid Sensitive Crosslinker Sri FITRIYANI (National Cheng Kung University, Taiwan)	[ORS6-06] Stimuli-Responsive Polymers based on the Azobenzene Motif Anzar KHAN (Korea University, Korea)
11:55-12:15	[ORS4-09] Two-Dimensional Networks Structures as an Efficient Catalyst Support Javeed MAHMOOD (Ulsan National Institute of Science and Technology (UNIST), Korea)	[ORS5-04] Effect of Storage Time and Thickness on the Functional Properties of Carrageenan Biodegradable Films Z. A. NUR HANANI (Universiti Putra Malaysia, Malaysia)		[ORS6-07] Photo-reversible Reactions for Self-healing Applications Mustafa ABDALLH (Monash University, Australia)
12:15-12:35		[ORS5-05] Enhanced Biocompatibility of Electrically Conducting Graphene Oxide Nanoplatelets/Polymer Composite Films Debabrata BHADRA (Bhairab Ganguly College, India)		[ORS6-08] Light-healable Crosslinked Polymer Coatings Timothy NICHOLLS (Monash University, Australia)
12:30-14:00	Lunch			
Room	201	202A	202B	203
Session	S4. Smart & Functional Polymers	S5. Biopolymers & Biomedical Engineering	S1. Recent Developments in Polymer Synthesis	S2. Polymer Physics and Characterization
Chair	Hong Chul MOON / Doo-Hyun KO	Cheol-Hee AHN / Hyoung-Joon JIN	Bumjoon KIM / Sung Woo HONG	Jeong Gon SON / Seung Hyun KIM
14:00-14:20	(14:00-14:25) [ILS4-15] Dynamic DNA Nanostructures Fabricated by Self-Assembly So-Jung PARK (Ewha Womans University, Korea)	[ORS5-06] L-Amino acid Based Polymer Nano-scaffolds for Multiple Drug Delivery Sonshree SAXENA (Indian Institute of Science Education and Research, Pune (IISER PUNE), India)	[ORS1-08] Mechanochemical Ring-Opening Polymerization of Lactide Jeung Gon KIM (Chonbuk National University, Korea)	[ORS2-01] Effective Morphology Control of Block Copolymers and Spreading Area-Dependent Phase Diagram at the Air/Water Interface Dong Hyup KIM (Ulsan National Institute of Science and Technology (UNIST), Korea)
14:20-14:40	(14:25-14:50) [ILS4-16] Supramolecularly Engineered Amphiphilic Macromolecules Suhrit GHOSH (Indian Association for the Cultivation of Science, India)	[ORS5-07] Preparation of Isosorbide Based Polyester for Eco-friendly Powder Coatings Junseop IM (Samyang Corporation, Korea)	[ORS1-09] Development and Synthesis of Polycarbonate-Polyester Copolymer with Heat Resistance Jungup PARK (Samyang Corp., Korea)	[ORS2-02] Effect of Morphology on the Physical Properties of Reactor Made BCPP SangUk LEE (Hanwha-total, Korea)
14:40-15:00		[ORS5-08] A Facile Sensing System of Liposomal Probes for Monitoring of Intracellular miRNA in Cultured Medium during Adipogenesis Seungmin HAN (Yonsei University, Korea)	[ORS1-10] Polymer Synthesis through Proton Transfer Polymerization of Thiol and Epoxide Groups JiHyeon HWANG (Korea University, Korea)	[ORS2-03] Grafting Poly(3-hexylthiophene) to the Surface of Polypropylene using Oxidative Polymerization An PHUNG HAI THIEN (Kochi University of Technology, Japan)
15:00-15:20	(14:50-15:15) [ILS4-17] Kinetic Pathways for Self-Assemblies in Polymeric Systems Su-Mi HUR (Chonnam National University, Korea)	[ORS5-09] Bio-inspired Tuning of Multi-cellular Aggregates using Hyaluronic Acid Hydrogel Ji-Eun JEONG (University of Science and Technology, Korea)	[ORS1-11] Patternable Nanoparticles in Two- and 3D- Structures Prem PRABHAKARAN (Hannam University, Korea)	[ORS2-04] Dielectric and Viscoelastic Responses of Epoxy-based Polymer Electrolytes U Hyeok CHOI (Pukyong National University, Korea)
15:20-15:40	(15:15-15:40) [ILS4-18] Microfluidic Design and Synthesis of Shape-Variant Functional Droplets and Bubbles Pil Jin YOO (Sungkyunkwan University (SKKU), Korea)	[ORS5-10] Reducing Friction Coefficient of the Cross-linked Polyethylene by Immobilizing Poly [2-(Methacryloyloxy)ethyl] Dimethyl-(3-sulfopropyl)ammonium Hydroxide on the Surface Chung Man LIM (Korea University, Korea)		
15:40-16:00	[ORS4-10] Mechano-Responsive Lateral Buckling of Miniaturized Beams on Flexible Polymer Substrates Jung Gun BAE (Seoul National University, Korea)			
16:00-17:30	Poster Session II			
17:30-18:00	Break (30 min)			
18:00-20:00	Banquet			