

Plenary Lecture (Room A)

Monday, October 19, 2015

Chair: Naotoshi Nakashima (Kyushu University, Japan)

9:00	1PL01	Quasi-One-Dimensional Materials: Their Structure Characterization and Growth	Sumio Iijima (Graduate School of Science and Technology, Meijo University, Japan and NEC Corporation)
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Chair: Yushu Matsushita (Nagoya University, Japan)

9:50	1PL02	Quasi-Periodic Materials – A Paradigm Shift in Crystallography	Dan Shechtman (Technion, Haifa, Israel and ISU, Ames, Iowa, USA)
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Tuesday, October 20, 2015

Chair: Mitsuo Sawamoto (Kyoto University, Japan)

9:00	2PL01	Block Copolymer/Ionic Liquid Nanocomposites: Versatile and Functional Materials	Timothy P. Lodge (Department of Chemistry and Department of Chemical Engineering & Materials Science, University of Minnesota, USA)
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Chair: Yusuf Yagci (Istanbul Technical University, Turkey)

9:50	2PL02	Macromolecular Engineering by Taming Free Radicals	Krzysztof Matyjaszewski (Department of Chemistry, Carnegie Mellon University, USA)
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Room A

Chair: Hiroyuki Nishide

11:00	1A01	Branched Biodegradable Functional Polymers with Controlled Macromolecular Design and Functionality: From Synthesis to Application	Kedafi Belkhir (Ingénierie des Matériaux Polymères (IMP), France)
11:20	1A02	Polymer/TiO ₂ Nanorods Heterostructure for Gas Sensing	Erdem Şennik (Gebze Technical University, Turkey)
11:40	1A03IL	Non-humidified Highly Durable Fuel Cell Catalyst Based on Polymer-coated Carbon Nanotubes	Naotoshi Nakashima (Kyushu University, Japan)

Lunch (12:10–13:30)

Chair: Lian R. Hutchings

13:30	1A04IL	Fluorenone Polymers: A Safe and Clean Hydrogen Storage Material	Hiroyuki Nishide (Waseda University, Japan)
14:00	1A05	Photophysics, Transport and Photovoltaic Properties of Low Bandgap Donor-Acceptor Copolymer Series and their Blends	Věra Cimrová (Academy of Sciences of the Czech Republic, Czech Republic)
14:20	1A06	Transition-Metal-Free Controlled Polymerization for Synthesis of π -Conjugated Polymers	Takanobu Sanji (Tokyo Institute of Technology, Japan)
14:40	1A07IL	Reversible Switching of Synthetic Tubular Pores from Self-Assembly of Aromatic Macrocycle	Myongsoo Lee (Jilin University, China)

Coffee Break (15:10–15:30)

Chair: Myongsoo Lee

15:30	1A08	Atom Transfer Radical Addition/Polymerization of Nafion for Preparation of Proton Exchange Membranes for Fuel Cells	Ying-Ling Liu (National Tsing Hua University, Taiwan)
15:50	1A09	Single-Chain Folding and Crosslinked Polymers via Living Radical Polymerization: From Precision Synthesis to Designer Nanospaces	Takaya Terashima (Kyoto University, Japan)
16:10	1A10IL	Synthesis of Randomly Branched Polymers by Anionic Chain-Transfer Polymerisation	Lian R. Hutchings (Durham University, United Kingdom)

Monday, October 19, 2015

Room B

Chair: Tatsuki Kitayama

11:00	1B01	Photon Up-Conversion by Dye Functionalized Ring-Opening-Metathesis-Polymers via Triplet-Triplet-Annihilation	Manuel Hollauf (Graz University of Technology, Austria)
11:20	1B02	Synthesis of Complementary Double Helices Connected with Metal-Salen Complexes and Their Application to Asymmetric Catalysis	Daisuke Taura (Nagoya University, Japan)
11:40	1B03IL	General Method for the Synthesis of γ -PEGylated Folic Acid via Chemo-enzymatic Catalysis	Judit E. Puskas (The University of Akron, USA)

Lunch (12:10–13:30)

Chair: Judit E. Puskas and Jean-François Lutz

13:30	1B04IL	Aluminum Lewis-acid assisted anionic polymerization of methacryloyl chloride	Tatsuki Kitayama (Osaka University, Japan)
14:00	1B05	Non-catalytic Hydrogenation of Liquid Natural Rubber using Diimide	Siti Fairus M. Yusoff (Universiti Kebangsaan Malaysia, Malaysia)
14:20	1B06	Easily Modified and Accurately Controlled pH-responsive Polymers for Extra or Intracellular Bioimaging and Drug Delivery	Liyi Fu (University of Science and Technology of China, China)
14:40	1B07IL	Synthesis of Stimuli-Responsive Polymers via Controlled Cationic Polymerization	Sadahito Aoshima (Osaka University, Japan)

Coffee Break (15:10–15:30)

Chair: Sadahito Aoshima

15:30	1B08	Synthesis and Characterization of Chitosan Based Dye Containing Quaternary Ammonium Group	Ruilin Tang (Beijing Forestry University, China)
15:50	1B09	Three-stage polymerization system using double click Michael addition and photopolymerization	Mathieu Retailleau (University of Haute Alsace, France)
16:10	1B10IL	Unnatural Information-containing Macromolecules	Jean-François Lutz (CNRS, France)

Monday, October 19, 2015

Room C

Chair: Junpo He

11:00	1C01	Anionic Polymerization of New Hydrocarbon Monomers Possessing An Allylidene Group	Satoshi Uchida (Tokyo Institute of Technology, Japan)
11:20	1C02	Synthesis and Characteristic Properties of Sun-shaped Polymer Bearing Block Copolymer Side Chains	Takayuki Kono (Kyoto Institute of Technology, Japan)
11:40	1C03IL	Highly branched macromolecular architectures via anionic macroinitiators	Yasuhisa Tsukahara (Kyoto Institute of Technology, Japan)

Lunch (12:10–13:30)

Chair: Yasuhisa Tsukahara and Holger Frey

13:30	1C04IL	Towards the Synthesis of Narrow Disperse Regio- and Sequence-Specific Polymers	Junpo He (Fudan University, China)
14:00	1C05	Gradient Nanodomain Formation in Photo-cured Coatings via Photo-driven Controlled Radical Polymerization	Takeo Suga (Waseda University, Japan)
14:20	1C06	Determination of the termination mechanism in radical polymerization	Yasuyuki Nakamura (Kyoto University, Japan)
14:40	1C07IL	Selective Isomerization Polymerization of Olefins Catalyzed by Pd Complexes	Kotaro Osakada (Tokyo Institute of Technology, Japan)

Coffee Break (15:10–15:30)

Chair: Kotaro Osakada

15:30	1C08	Efficient Synthesis of Poly(methacrylic acid)-block-Poly(styrene-alt-N-phenylmaleimide) Diblock Copolymer Lamellae Using RAFT Dispersion Polymerization	Pengcheng Yang (University of Sheffield, United Kingdom)
15:50	1C09	Photo-Initiated Copper-Mediated Polymerization - A Fast and Efficient Pathway to Complex Sequential Polymer Architectures	Benjamin Wenn (Hasselt University, Belgium)
16:10	1C10IL	Functional Epoxide Comonomers: Building Units for Multifunctional PEG for Biomedical and Pharmaceutical Applications	Holger Frey (Johannes Gutenberg-University Mainz, Germany)

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Room F

Chair: Takashi Miyata

11:00	1F01	Fabrication of Multi-functional Membrane via Phase-Boundary Modification of Liquid Crystalline Block Copolymers	Yusuke Hibi (Tokyo Institute of Technology, Japan)
11:20	1F02	Controlling Morphology of Glyco-nanoparticles in Water	Aydan Dag (The University of New South Wales, Australia)
11:40	1F03IL	Spatial Dependent Rheology in Soft Networked Systems	Keiji Tanaka (Kyushu University, Japan)

Lunch (12:10–13:30)

Chair: Keiji Tanaka and Tada-aki Yamagishi

13:30	1F04IL	Designs of Stimuli-Responsive Bioconjugated Gels with Dynamic Crosslinks and Their Smart Functions	Takashi Miyata (Kansai University, Japan)
14:00	1F05	Polymer Electrolyte Using Self-Assembly of Block Copolymer in Solvate Ionic Liquid	Yuzo Kitazawa (Yokohama National University, Japan)
14:20	1F06	PEG-PCL-PMOXA triblock copolymers: from synthesis to self-assembled structures	Evgeniia Konishcheva (University of Basel, Switzerland)
14:40	1F07IL	Toughening of thermosetting resins by in situ generated vinyl polymers	Toshiyuki Oyama (Yokohama National University, Japan)

Coffee Break (15:10–15:30)

Chair: Toshiyuki Oyama

15:30	1F08	Novel Microphase Separated Structures Formed from Binary Blends of ABC Triblock Terpolymers	Yusuke Asai (Nagoya University, Japan)
15:50	1F09	Highly Ordered Nanoporous Films from Supramolecular Diblock Copolymers with H-bonding Junctions	Julien Bernard (IMP, France)
16:10	1F10IL	Preparation of Phenolic Polymers with Regular Structure	Tada-aki Yamagishi (Kanazawa University, Japan)

Tuesday, October 20, 2015

Room A

Chair: Kazunari Akiyoshi

11:00	2A01	Can we meet the new challenges of Non-Isocyanates Polyurethanes (NIPU)? Towards NIPU foams	Sylvain Caillol (Université de Montpellier, France)
11:20	2A02	Synthesis of Cardanol Oil Building Blocks for Polymer Synthesis	Vincent Ladmiral (Université de Montpellier, France)
11:40	2A03IL	ADVANCES IN SUPRAMOLECULAR POLYMERIZATION	Takuzo Aida (The University of Tokyo, Japan)

Lunch (12:10–13:30)

Chair: Takuzo Aida and Atsushi Takahara

13:30	2A04IL	Nanogel tectonic engineering for advanced biomaterials	Kazunari Akiyoshi (Kyoto University, Japan)
14:00	2A05	Single-Enzyme Nanogel Encapsulation as a Universal Strategy for Stabilization and Immobilization	Guillaume Delaittre (Institute of Toxicology and Genetics, Karlsruhe Institute of Technology (KIT), Germany)
14:20	2A06	Graft-Copolymerization of Biocompatible and Autoclavable Lubricious Polymer Brushes onto Intraocular Lens Injectors	William Lee (ICARES Medicus, Inc., Taiwan)
14:40	2A07IL	New Photo-Luminescent Materials Based on Element-Blocks	Yoshiki Chujo (Kyoto University, Japan)

Coffee Break (15:10–15:30)

Chair: Yoshiki Chujo

15:30	2A08	Chitosan-Methylcellulose Hybrid as a Moist Skin regeneration Matrix	Azreena Mastor (Standards and Industrial Research Institute Malaysia (SIRIM) Berhad, Malaysia)
15:50	2A09	Recyclable magnetic nanocluster crosslinked with poly(ethylene oxide)-block-poly(2-vinyl-4,4-dimethylazlactone) copolymer for adsorption with antibody	Metha Rutnakornpituk (Naresuan University, Thailand)
16:10	2A10IL	Design of (Organic Material/ Halloysite Nanotube) Hybrids through Selective Modification of Nanotube Surface and Lumen	Atsushi Takahara (Kyushu University, Japan)

Tuesday, October 20, 2015

Room B

Chair: Akikazu Matsumoto

11:00	2B01	Triazolinedione Click Chemistry for Reversible Grafting of Polymer Brush Micropatterns	Oliver Roling (Universität Münster, Germany)
11:20	2B02	Olefin-Metathesis Method: Degrading Macromolecular Networks Using an Organometallic Tool	Simon Leimgruber (Graz University of Technology, Austria)
11:40	2B03IL	Group 10-Metal Catalyzed Copolymerization of Olefins with Polar Monomers	Kyoko Nozaki (The University of Tokyo, Japan)

Lunch (12:10–13:30)

Chair: Kyoko Nozaki and Andrzej Duda

13:30	2B04IL	Design of High-Performance Transparent Polymer Materials by Sequence-Controlled Radical Polymerization	Akikazu Matsumoto (Osaka Prefecture University, Japan)
14:00	2B05	Raising the Potential of Polyacrylamide Cryogel Using Click Chemistry	Faruk Yilmaz (Gebze Technical University, Turkey)
14:20	2B06	Synthesis of polylactides capable of interaction with biologically active compounds by cationic ring-opening polymerization	Melania Bednarek (Polish Academy of Sciences, Poland)
14:40	2B07IL	Stereoregular and Helix-sense-selective Polymerization of Polar Bulky Vinylaromatics	Xinhua Wan (Peking University, China)

Coffee Break (15:10–15:30)

Chair: Xinhua Wan

15:30	2B08	LONG CHAIN BRANCHED, HYPERBRANCHED AND STAR PLA: SYNTHESIS, REACTIVE MODIFICATION AND STRUCTURE – PROPERTY RELATION	E. Denadayalan (National Chemical Laboratory (NCL), India)
15:50	2B09	EFFECT OF SILANE TREATMENTS ON PROPERTIES OF WASTE LEATHER BUFF FILLED WITH REACTIVELY MODIFIED POLYLACTIC ACID BIOCOSCOMPOSITES	E. Denadayalan (National Chemical Laboratory (NCL), India)
16:10	2B10IL	Polymerization of Lactides - from Fundamental Studies to Controlled Synthesis of their Copolymers and Stereocomplexes	Andrzej Duda (Polish Academy of Sciences, Poland)

Tuesday, October 20, 2015

Room C

Chair: Daniel A. M. Egbe

11:00	2C01	Novel Nanocomposites of Poly(lauryl methacrylate)-grafted Al ₂ O ₃ Nanoparticles in LDPE	Carmen Cobo Sánchez (KTH Royal Institute of Technology, Sweden)
11:20	2C02	Cross-linkable methacrylate copolymers with liquid crystalline side chains as new dielectrics in solution processed organic thin-film transistors	A. Berndt (Leibniz-Institut für Polymerforschung Dresden e.V., Germany)
11:40	2C03IL	New Aspects in Tribological Properties of Concentrated Polymer Brushes	Yoshinobu Tsujii (Kyoto University, Japan)

Lunch (12:10–13:30)

Chair: Yoshinobu Tsujii and Kazuo Akagi

13:30	2C04IL	Tuning the photophysical, transport and photovoltaic properties of an anthracene-based PPE-PPV copolymer by fine variation of its molecular-weight distribution	Daniel A. M. Egbe (Johannes Kepler University Linz, Austria)
14:00	2C05	One Dimensional Organic-inorganic Composite Growth for Supercapacitor	Xiaoxia Liu (Northeastern University, China)
14:20	2C06	Development of a novel cation-exchange membrane for semi-VIRFB applications	Chia-Chin Chang (NATIONAL UNITED UNIVERSITY, TAIWAN)
14:40	2C07IL	Activity Advanced Polymers with AIE	Ben Zhong Tang (The Hong Kong University of Science and Technology, Hong Kong)

Coffee Break (15:10–15:30)

Chair: Ben Zhong Tang

15:30	2C08	Surface Modification of Carbon Nanotube Electrode with Polyethylene Glycol for Solid-State Lithium Ion Battery	Kosuke Izaki (Kyoto Institute of Technology, Japan)
15:50	2C09	Synthesis and Characterization of Photosensitive Liquid Crystalline Poly(Benzylidene-Ether)s	Krishnasamy Balaji (PSG Institute of Technology and Applied Research, India)
16:10	2C10IL	Recent Progress in Conjugated Polymers	Kazuo Akagi (Kyoto University, Japan)

Tuesday, October 20, 2015

Room F

Chair: Eiji Ihara

11:00	2F01	Renewable thermoplastic polyurethanes containing rigid spiroacetal moieties	Sophie Lingier (Ghent University, Belgium)
11:20	2F02	Salt-Responsive Zwitterionic Polysulfo(a)betaines and Their Applications	Vivek Arjunan Vasantha (Institute of Chemical and Engineering Sciences (ICES), Singapore)
11:40	2F03IL		

Lunch (12:10–13:30)

Chair: Tsutomu Yokozawa

13:30	2F04IL	Controlled Polymerization of Diazoacetates by Pd-based Initiating Systems	Eiji Ihara (Ehime University, Japan)
14:00	2F05	pH-Control of Supramolecular Polymerisations in Water	Hendrik Frisch (Johannes Gutenberg-Universität Mainz, Germany)
14:20	2F06	Ethyl α -(aminomethyl)acrylate: An β -Amino Acid Ester for pH- / Temperature-responsive Polymers	Yasuhiro Kohsaka (Shinshu University, Japan)
14:40	2F07IL	Synthesis and Control of Higher Order Structures of Poly(phenyleneethynylene) Derivatives	Fumio Sanda (Kansai University, Japan)

Coffee Break (15:10–15:30)

Chair: Fumio Sanda

15:30	2F08	Synthesis of cellulose based graft-copolymers via RAFT polymerization in homogenous media	Marcus Ott (Technische Universität Darmstadt, Germany)
15:50	2F09	Precise Synthesis of Multifunctional Hyperbranched Polymers and Their Application to Solvent-Free Curable Adhesives	Eriko Sato (Osaka City University, Japan)
16:10	2F10IL	Controlled Synthesis of Conjugated Polymers via Intramolecular Transfer of Catalyst	Tsutomu Yokozawa (Kanagawa University, Japan)

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Room G

Chair: Masaya Mitsuishi

11:00	2G01		
11:20	2G02	A novel method for enhancing dispersion of carbon black and carbon nanotubes in natural rubber latex	Hesham Moustafa (National Institute for Standards (NIS), Egypt)
11:40	2G03IL	Electrochemical, Ionic and Emissive Properties of Metallo-Supramolecular Polymer Films	Masayoshi Higuchi (National Institute for Materials Science, Japan)

Lunch (12:10–13:30)

Chair: Masayoshi Higuchi and Jun-ichi Kadokawa

13:30	2G04IL	Silsesquioxane Nanosheet Assembly for Ultrathin SiO ₂ Film Formation	Masaya Mitsuishi (Tohoku University, Japan)
14:00	2G05	Optimization of Rod Length of Polyplex Micelles for Maximizing Transfection Efficiency Towards Systemic Gene Therapy of Stroma-rich Pancreatic Tumors	Anjaneyulu Dirisala (The University of Tokyo, Japan)
14:20	2G06	Poly(N-acryloyl glycine)-grafted magnetite nanoparticle conjugated with PNA for DNA pre-concentration application	Sudarat Khadsai (Naresuan University, Thailand)
14:40	2G07IL	Covalently Cross-linked Dynamic Polymers from Bio-based Furan	Naoko Yoshie (The University of Tokyo, Japan)

Coffee Break (15:10–15:30)

Chair: Naoko Yoshie

15:30	2G08	Injectable biodegradable hydrogels from Vitamin D-functionalized polycarbonates for the delivery of Avastin with enhanced therapeutic efficiency against metastatic colorectal cancer	Ashlynn L.Z. Lee (Institute of Bioengineering and Nanotechnology, Singapore)
15:50	2G09	Co-Delivery of Anti-viral and Anti-fungal Therapeutics for the Treatment of Sexually Transmitted Infections using a Moldable, Supramolecular Hydrogel	Ashlynn L.Z. Lee (Institute of Bioengineering and Nanotechnology, Singapore)
16:10	2G10IL	Preparation of Supramolecular Network Materials by Vine-Twining Polymerization	Jun-ichi Kadokawa (Kagoshima University, Japan)

Wednesday, October 21, 2015

Room A

Chair: Akira Harada

9:00	3A01IL	Ordered Structures with Extremely Large Oblong Unit Cells from Block Terpolymer Systems	Yushu Matsushita (Nagoya University, Japan)
9:30	3A02IL	Molecular Grid Wiring toward Molecular Circuitry	Tomokazu Iyoda (Tokyo Institute of Technology, Japan)
10:00	3A03	Visualization of the End-to-End Distance of Chains in a Polymer Langmuir Monolayer by Atomic Force Microscopy	Jiro Kumaki (Yamagata University, Japan)
10:20	3A04	Translocation of nanoparticles through lipid bilayer of vesicles	Meriem Er-Rafik (Université de Strasbourg-CNRS, France)

Coffee Break (10:40–11:00)

Chair: Tomokazu Iyoda

11:00	3A05	HIGH PERFORMANCE BENZOXAZINE THERMOSETS FROM MONOMERS BEARING REACTIVE GROUPS	Kubra D. Demir (Istanbul Medeniyet University, Turkey)
11:20	3A06	Maleated-PLLA as a Compatibilizer for Poly(lactic acid)/Hydroxyapatite Composite	Suthawan Buchatip (National Metal and Materials Technology Center, Thailand)
11:40	3A07IL	Soft Networked Materials Containing Cyclodextrins	Akira Harada (Osaka University, Japan)

Lunch (12:10–13:30)

Chair: Filip Du Prez and Richard Hogenboom

13:30	3A08IL	Synthesis of Element-Block Polymers Based on T8-caged Silsesquioxanes	Kensuke Naka (Kyoto Institute of Technology, Japan)
14:00	3A09	Supramolecular Thiophene Nanosheets	Taichi Ikeda (National Institute for Materials Science, Japan)
14:20	3A10	Aromatic gain in a supramolecular polymer	Roxanne E. Kieltyka (Leiden University, Netherlands)
14:40	3A11	New Platform of Biobased Aromatic Building Blocks for Polymers	Sylvain Caillol (Université de Montpellier, France)

Continued

Wednesday, October 21, 2015

15:00	3A12IL	Development of Functional Liquid Crystalline Assemblies for Resources, Energy, and Environment	Takashi Kato (The University of Tokyo, Japan)
<i>Coffee Break (15:30–15:50)</i>			
Chair: Kensuke Naka and Takashi Kato			
15:50	3A13	Synthesis and Characterization of Block Copolymers by Combination of Iniferter Polymerization and Click Reactions	Binnur Aydogan Temel (Bezmialem Vakif University, Turkey)
16:10	3A14	Synthesis and characterization of acrylate containing block copolymers via ARGET ATRP	C. N. Murthy (University of Baroda, India)
16:30	3A15IL	New Generation of Vitrimers: Permanent Organic Networks with Glass-like Fluidity	Filip E. Du Prez (Ghent University, Belgium)
17:00	3A16IL	Multiresponsive polymers for drug delivery and sensors	Richard Hogenboom (Ghent University, Belgium)

Wednesday, October 21, 2015

Room B

Chair: Bert Klumperman

9:00	3B01IL	Preparation of Highly Transparent Hybrid Optical Materials via Direct Transfer of ZrO ₂ Nanoparticles from Water to Toluene Phase	Seigou Kawaguchi (Yamagata University, Japan)
9:30	3B02IL	Recent Progress on Hybridized Nanocrystals toward Optoelectronic Device Application	Hidetoshi Oikawa (Tohoku University, Japan)
10:00	3B03	Optical Detection of an Organic Vapor with a Dimeric Riboflavin-Containing Redox Active Polymer	Yoshimi Nakajima (Nagoya University, Japan)
10:20	3B04	Synthesis and Properties of Optically Active Dendrimers Based on a Planar Chiral Tetrasubstituted [2.2]Paracyclophane Core	Masayuki Gon (Kyoto University, Japan)

Coffee Break (10:40–11:00)

Chair: Seigou Kawaguchi

11:00	3B05	Solution-Processable Bipolar Hosts based on Fluorenyl, Carbazolyl and 1,3,4-Oxadiazolyl Derivatives: Synthesis and Application in PhOLEDs	Chih-Yang Tseng (National Cheng Kung University, Taiwan)
11:20	3B06	Hydrophobic cyclic siloxane core enhances the transfection efficiency of polyethylenimine-based non-viral gene vectors	Mariana Pinteala (Petru Poni Institute of Macromolecular Chemistry, Romania)
11:40	3B07IL	Silica and polymer/silica hybrid microcapsules – their synthesis and application	Bert Klumperman (Stellenbosch University, South Africa)

Lunch (12:10–13:30)

Chair: Hidetoshi Oikawa and Wai-Yeung Wong

13:30	3B08IL	Polymer Nanocomposites with Nanodiamond	Takashi Nishino (Kobe University, Japan)
14:00	3B09	Effect of Molecular Weight of Poly(3-hexylthiophene) on Thin Film Structure	Takuya Matsumoto (Kobe University, Japan)
14:20	3B10	Polyfluorenes Containing Partially Hydrolyzed Phosphonate Groups: Synthesis and Application as Electron Injection Layer in Polymer Light-Emitting Diodes	Jyun-Huei Liou (National Cheng Kung University, Taiwan)
14:40	3B11	Synthesis of Optically Active Conjugated Polymers Containing Platinum in the Main Chain	Yu Miyagi (Kansai University, Japan)

Continued

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15:00	3B12IL	Organic/inorganic Hybrid Functional Polymer Coatings	Limin Wu (Fudan University, China)
<i>Coffee Break (15:30–15:50)</i>			
Chair: Takashi Nishino and Limin Wu			
15:50	3B13	Water-Soluble Carboxylated Polyfluorene: Synthesis and Fluorescent Chemosensory Application	Meng-Tsz Chen (National Cheng Kung University, Taiwan)
16:10	3B14	A Novel Mechanochromic and Photochromic Polymer Film	Xinru Jia (Peking University, P.R.China)
16:30	3B15IL	Functional Metallopolymers as Precursors to Magnetic Metal Alloy Nanoparticles: Synthesis, Lithographic Patterning and Applications	Wai-Yeung Wong (Hong Kong Baptist University, Hong Kong)
17:00	3B16IL	Synthesis and Functions of Helical Polymers and Oligomers	Eiji Yashima (Nagoya University, Japan)

Wednesday, October 21, 2015

Room C

Chair: Hiroshi Uyama

9:00	3C01IL	Dynamic Polymer Networks Engineered by Rotaxane Cross-Linkers	Toshikazu Takata (Tokyo Institute of Technology, Japan)
9:30	3C02IL	Photocrosslinked polymersomes as nanocapsules - control of multifunctionality and membrane traffic	Brigitte Voit (Leibniz-Institut für Polymerforschung Dresden e.V., Germany)
10:00	3C03	Synthesis and Characterization of Alkyl-modified Poly(Sodium Glutamate)s for Polymer-Protein Nanoparticle Preparation by Polyelectrolyte Complexation	David Pahovnik (National Institute of Chemistry, Slovenia)
10:20	3C04	Physiological response to polymeric materials in nanomedicine	Liyu Chen (University of Queensland, Australia)

Coffee Break (10:40–11:00)

Chair: Toshikazu Takata

11:00	3C05	Thermoplastic Vulcanizate based on Poly(lactic acid) and Acrylic Rubber Blend with Ethylene Ionomer	Kittisak Jantanasakulwong (Chiang Mai University, Thailand)
11:20	3C06		
11:40	3C07IL	Fabrication of Functional Porous Polymeric Materials by Phase Separation	Hiroshi Uyama (Osaka University, Japan)

Lunch (12:10–13:30)

Chair: Takeshi Shiono and Nobuo Kimizuka

13:30	3C08IL	Biodegradable Emulsion-templated Porous Polymers for Tissue Engineering	Michael S. Silverstein (Israel Institute of Technology, Israel)
14:00	3C09	Polymer Cage for Surface Modification of Metal Nanoparticles: Art of Combination of Size Selectivity with Mono-functionalization	Ziyin Fan (University of Bayreuth, Germany)
14:20	3C10	Polyampholytic resins: advances in ion exchanging properties	N. P. G. N. Chandrasekara (University of New South Wales Canberra, Australia)

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14:40	3C11	Evolution of transient morphologies and altered viscoelasticity in PS/PVME blends in presence of nanoparticles	Priti Xavier (Indian Institute of Science, India)
15:00	3C12IL	Topological Polymer Chemistry: Macromolecular Designing Inspired by Soft Geometry and Beyond	Yasuyuki Tezuka (Tokyo Institute of Technology, Japan)
<i>Coffee Break (15:30–15:50)</i>			
Chair: Michael S. Silverstein and Yasuyuki Tezuka			
15:50	3C13	Ultrasensitive detection of nitro explosive-picric acid via conjugated polyelectrolyte in aqueous media and solid support	Sameer Hussain (Indian Institute of Technology Guwahati, India)
16:10	3C14	The thermal behavior of water in crosslinked PNIPAm-PAA network hydrogels	Ya-Chi Tsai (National United University, Taiwan)
16:30	3C15IL	Tailor-Made Cycloolefin Copolymers Using ansa-Dimethylsilylene(fluorenyl)(amido)titanium-Based Catalysts	Takeshi Shiono (Hiroshima University, Japan)
17:00	3C16IL	Self-Assembled Molecular Systems for Photon Upconversion	Nobuo Kimizuka (Kyushu University, Japan)

Wednesday, October 21, 2015

Room D

Chair: Mizuo Maeda

9:00	3D01IL	Advanced Functional Polymeric Materials: Synthesis and Optoelectronic Applications	Der-Jang Liaw (National Taiwan University of Science and Technology, Taiwan)
9:30	3D02IL	Functional Network-Polymer Derived from Nanostructured Epoxy / Block Co-Polymer Blends	Hajime Kishi (University of Hyogo, Japan)
10:00	3D03	THE SYNTHESIZE AND RHEOLOGICAL EVALUATION OF PP/EPR IN-REACTOR ALLOYS PRODUCED BY SPLIT-FEED SEQUENTIAL POLYMERIZATION PROCESS	H. Bagheri (Tarbiat Modares University, Iran)
10:20	3D04	Structure of Aqueous Tetraborate Solutions by X-ray Scattering	Chun-Hui Fang (Chinese Academy of Sciences, PRC)

Coffee Break (10:40–11:00)

Chair: Der-Jang Liaw

11:00	3D05	Dendrimer-based bio-inspired hydrogel with high stiffness	Yao Wang (Peking University, P.R.China)
11:20	3D06	Design of functional PEG-based Hyperbranched Polymers for Targeted Gene Delivery	Aditya Ardana (University of Queensland, Australia)
11:40	3D07IL	Stimuli-Responsive Assembly of dsDNA-Functionalized Nanoparticles	Mizuo Maeda (RIKEN, Japan)

Lunch (12:10–13:30)

Chair: Toshiki Aoki and Hiromi Kitano

13:30	3D08IL	Magnetically Oriented Single-Crystal-Like Polymer Networks	Yasuhiro Ishida (RIKEN Center for Emergent Matter Science, Japan)
14:00	3D09	Isothermal Crystallization of Strongly Segregated Crystalline Diblock Copolymers with Fluoroalkyl Acrylate Block from Molten States	Shiki Nojima (Kyushu University, Japan)
14:20	3D10	Microgel Particles Based on Isotactic Poly(styrene)	Marie Tschage (RWTH Aachen University, Germany)
14:40	3D11	PVA cross-linking with dicarboxylic acids: Effect of cross-linker chain length on mechanical properties of PVA	A. K Sonker (Indian Institute of Technology, Kanpur, India)

Continued

Wednesday, October 21, 2015

15:00	3D12IL	Supramolecular Gel-based Nanofibrillar Phase Separation in Polymer Films for Light Management Technology	Hiroataka Ihara (Kumamoto University, Japan)
<i>Coffee Break (15:30–15:50)</i>			
Chair: Yasuhiro Ishida and Hiroataka Ihara			
15:50	3D13	Prediction of glass transition temperature of novel polymers: Molecular dynamics simulations	Jian Xiong (Harbin Institute of Technology, PR China)
16:10	3D14		
16:30	3D15IL	Application of Highly Selective Photocyclicaromatization for Membrane Materials	Toshiki Aoki (Niigata University, Japan)
17:00	3D16IL	Correlation between the Biocompatibility of Charge-neutralized Polymer Materials and the Structure of Vicinal Water	Hiromi Kitano (University of Toyama, Japan)

Wednesday, October 21, 2015

Room E

Chair: Rong-Ming Ho

9:00	3E01IL	Advanced Photonics Polymers for Future Communication	Yasuhiro Koike (Keio University, Japan)
9:30	3E02IL	Homoporous Structures Derived from Amphiphilic Block Copolymers	Yong Wang (Nanjing Tech University, China)
10:00	3E03	Development of Size-Discrimination Compounds for Silica Particles Based on Cubic Silsesquioxane	Takahiro Kakuta (Kyoto University, Japan)
10:20	3E04	Vanadium compounds as environmentally friendly driers of alkyd paints	Jan Honzík (University of Pardubice, Czech Republic)

Coffee Break (10:40–11:00)

Chair: Yasuhiro Koike

11:00	3E05	Investigating the uptake and intracellular delivery of protein by using polyampholyte modified liposome based carrier system and freeze concentration mechanism	Sana Ahmed (Japan Advanced Institute of Science and Technologies, Japan)
11:20	3E06	STARCH INCORPORATED HYDROXYAPATITE/CHITIN NANOCOMPOSITE IN BONE TISSUE ENGINEERING	Reshma Jolly (Aligarh Muslim University, India)
11:40	3E07IL	Well-Ordered Nanoporous Materials from Chiral Block Copolymer Templates	Rong-Ming Ho (National Tsing Hua University, Taiwan)

Lunch (12:10–13:30)

Chair: Christopher W. Bielawski and Kazunori Sugiyasu

13:30	3E08IL	Metal-Free Living Cationic Polymerization via Degenerative Chain-Transfer Mechanism	Masami Kamigaito (Nagoya University, Japan)
14:00	3E09	Hole-buffer Polymer Composed of Alternating p-Terphenyl and Tetraethylene Glycol Ether Moieties: Synthesis and Application in Polymer Light-emitting Diodes	Ping-Feng Hsu (National Cheng Kung University, Taiwan)
14:20	3E10	Development of periodic mesoporous organosilica via self organization of PEG linked ionic liquid as bridged silsesquioxane	Manish K. Dinker (Defence Institute of Advanced Technology, India)
14:40	3E11	Mechanically-architected silicone elastomer membranes for biomedical applications	François Ganachaud (Université de Lyon, France)

Continued

Wednesday, October 21, 2015

15:00	3E12IL	Anionic Polymerization of 1-Adamantyl 4-Vinylphenyl Ketone	Takashi Ishizone (Tokyo Institute of Technology, Japan)
<i>Coffee Break (15:30–15:50)</i>			
Chair: Masami Kamigaito and Takashi Ishizone			
15:50	3E13	Preparation of boron-containing aluminoxane as a cocatalyst of olefin polymerization	Ryo Tanaka (Hiroshima University, Japan)
16:10	3E14	Evaluation of an Effect of Solvent on a Polymerization of 3-hexylthiophene with Solid FeCl ₃ using X-Ray Absorption Fine Structure	Tomoyasu Hirai (Kyushu University, Japan)
16:30	3E15IL	Externally Controlled Polymerizations	Christopher W. Bielawski (Ulsan National Institute of Science and Technology (UNIST), Republic of Korea)
17:00	3E16IL	Living Supramolecular Polymerization	Kazunori Sugiyasu (National Institute for Materials Science, Japan)

Thursday, October 22, 2015

Room A

Chair: Kazunori Kataoka and Hideharu Mori

9:00	4A01IL	Macromolecular Engineering by Organotellurium-Mediated Radical Polymerization (TERP)	Shigeru Yamago (Kyoto University, Japan)
9:30	4A02IL	Unconventional Uses of Benzoxazine Chemistry in Polymer Science	Yusuf Yagci (Istanbul Technical University, Turkey)
10:00	4A03	Preparation of stereoblock olefin copolymers: Comparative study of selected isospecific living catalytic systems	Jan Merna (University of Chemistry and Technology, Czech Republic)
10:20	4A04	PHYSICAL AND MECHANICAL ANALYSIS OF POLY PROPYLENE- CALCIUM CARBONATE COMPOSITES	Subita Bhagat (Sant Longowal Institute of Engineering & Technology, India)

Coffee Break (10:40–11:00)

Chair: Yusuf Yagci

11:00	4A05IL	Sulfur-Containing Polymers for Optoelectronic Applications by RAFT Polymerization	Hideharu Mori (Yamagata University, Japan)
11:30	4A06IL	Block Copolymer Micelles as Smart Nanosystems for Gene and Drug Delivery	Kazunori Kataoka (The University of Tokyo, Japan)
12:00	Closing Remarks and Farewell		

Thursday, October 22, 2015

Room B

Chair: Yoshiharu Kimura

9:00	4B01IL	Bio-based Recyclable Plastics	Haruo Nishida (Kyushu Institute of Technology, Japan)
9:30	4B02IL	Photocurrent Generation with Self-Assembled Monolayers Comprising Helical Peptides	Shunsaku Kimura (Kyoto University, Japan)
10:00	4B03	Synthesis of Degradable Heterocyclic polyamide from Renewable Itaconic acid and their Composites with Montmorillonite	Mohammad Asif Ali (Japan Advanced Institute of Science and Technology, Japan)
10:20	4B04	Starch nanocomposites for packaging applications	Masatoshi Oishi (University of Waterloo, Canada)
<i>Coffee Break (10:40–11:00)</i>			
Chair: Haruo Nishida			
11:00	4B05IL	Controlling the fine structure and properties of polylactides	Yoshiharu Kimura (Kyoto Institute of Technology, Japan)
11:30	4B06	Co-polysulfone of Cholesterol and Curcumin-Amino Acid Conjugates for the Detection of Nitroaromatic Explosives	Bedanta Gogoi (Institute of Advanced Study in Science and Technology (IASST), India)

Thursday, October 22, 2015

Room C

Chair: Masayoshi Watanabe

9:00	4C01IL	Reorganizable and Self-healing Networked Materials Based on Dynamic Covalent Chemistry	Hideyuki Otsuka (Tokyo Institute of Technology, Japan)
9:30	4C02IL	Tough Hydrogels from Sacrificial Bonds	Jian Ping Gong (Hokkaido University, Japan)
10:00	4C03	The Design of the Supramolecular Structure of Nanoporous Polymers for Membrane Gas Separation	Ilsiya M. Davletbaeva (Kazan National Research Technological University, Russian Federation)
10:20	4C04	Zwitterionic Nanocomposite Hydrogel as Effective Chronic Wound Healing Dressing	Kang-Ting Huang (National Central University, Taiwan)

Coffee Break (10:40–11:00)

Chair: Jian Ping Gong

11:00	4C05IL	Photo-healable Materials Based on Block Copolymers and Ionic Liquids	Masayoshi Watanabe (Yokohama National University, Japan)
11:30	4C06	Thiazolium-type poly(ionic liquid)s and ionic polymers	Konrad Grygiel (Max Planck Institute of Colloids and Interfaces, Germany)

Thursday, October 22, 2015

Room F

Chair: Takeshi Serizawa and Yuichi Ohya

9:00	4F01IL	Molecular Biomimetics for Polymer Science and Engineering	Takeshi Serizawa (Tokyo Institute of Technology, Japan)
9:30	4F02IL	Design of biodegradable injectable polymer systems for medical application	Yuichi Ohya (Kansai University, Japan)
10:00	4F03	Polyacrylamide/starch/hydroxyapatite hydrogel composite by photo initiation for bone-like material	Apichart Han (Chiang Mai University, Thailand)
10:20	4F04	Dendritic polymers as solubility enhancers for poorly water-soluble glimepiride drug	Erna Žagar (National Institute of Chemistry, Slovenia)

Coffee Break (10:40–11:00)

Chair: Hajime Kishi

11:00	4F05	Reductively Cleavable Nanocaplets for Gene and Protein Delivery by Template-Assisted Oxidative Polymerization	P. K. Hashim (The University of Tokyo, Japan)
11:20	4F06	Development of Analyzer for Moisture content in Liquid based on Dielectric Property	Shinichi Nagata (Oji Holdings Corporation, Japan)
11:40	4F07	Regulating factors in sustaining rod-shaped polyplex micelles investigated through PEG-detachment and in its implication on gene delivery performance	Theofilus A. Tockary (The University of Tokyo, Japan)