
Tuesday, 24th September, 2013

9:00 Opening Session

Speakers: Prof. Seiichi Nakahama (Honorary Chair)
Prof. Taihyun Chang (IUPAC Representative)
Prof. Yusuf Yagci (First Chair of IP)

Chairpersons : A. Hirao and A. H. E. Müller

- IL01 Yves Gnanou** (King Abdullah University of Science and Technology)
9:30 *N*-Heterocyclic carbenes as organocatalysts of polymerization and the question of their recyclability
- IL02 Akira Hirao** (National Taiwan University)
10:00 Precise synthesis of multiarmed miktoarm star polymers by iterative methodology based on living anionic
- IL03 Junpo He** (Fudan University)
10:25 How robust is the anionic polymerization in the synthesis of branched polymers
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- IL04 Jae-Suk Lee** (Gwangju Institute of Science and Technology)
11:15 Helical, morphological and functional properties in living polyisocyanate homo- and block copolymers
- IL05 Takashi Ishizone** (Tokyo Institute of Technology)
11:45 Living anionic polymerization of exomethylene monomers
<Lunch Break>

Chairpersons : J.-S. Lee and T. Ishizone

- IL06 Lian R. Hutchings** (Durham University)
14:00 The synthesis of complex polymers by anionic polymerisation – The advantages of the macromonomer approach
- IL07 Yasuhisa Tsukahara, Kaoru Adachi** (Kyoto Institute of Technology)
14:30 Construction of various polymer architectures by grafting from approach using anionic macroinitiators
- IL08 Ryouji Tanaka** (JSR Corporation)
14:55 Tailor-made polymers via living anionic polymerization and their advanced applications in industry
- IL09 Atsushi Nozawa** (ZEON Corporation)
15:20 The study of newly designed styrenic block copolymer
- IL10 Yoshihiro Morishita** (KURARAY Corporation)
15:45 Industrial synthesis of acrylic block copolymer by living anionic polymerization
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Chairpersons : Y. Gnanou and K. Adachi

- IL11 Axel H. E. Müller** (Johannes Gutenberg University, Mainz)
16:30 Solution-based self-assembly of triblock terpolymers: New nano-objects with a compartmentalized shell
- IL12 Hideyuki Otsuka** (Tokyo Institute of Technology)
17:00 Controlled polymer reactions: Reorganization and self-healing of dynamic covalent polymers
- CL01 Philippe Desbois** (BASF SE)
17:25 Reactive polyamide at BASF
- CL02 Shigeru Yao** (Fukuoka University)
17:45 Supra molecular interaction of side chain crystalline block copolymer obtained by living radical polymerization
- IL13 Eiji Yashima** (Nagoya University)
18:05 Synthesis of helical polymers and their application to asymmetric catalysis

Wednesday, 25th September, 2013

Chairpersons : M. Vamvakaki and E. Yashima

- IL14 Maria Vamvakaki** (University of Crete)
9:00 Light-sensitive polymers by controlled polymerization methods
- IL15 Felix H. Schacher** (Friedrich Schiller University, Jena)
9:30 In-depth studies of (reversible) crosslinking processes within block copolymer nanostructure
- IL16 Wenxin Wang** (National University of Ireland)
10:00 Vinyl oligomer combination: A universal approach to hyperbranched architectures
- IL17 Franck D'Agosto** (University of Lyon)
10:30 From monofunctional to telechelic polyethylenes using coordinative chain transfer polymerization
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Chairpersons : D. Morrison and K. Ute

- IL18 Taihyun Chang** (Pohang University of Science and Technology)
11:20 Synthesis and characterization of a comb-shaped polyisoprene
- IL19 Harald Pasch** (University of Stellenbosch)
11:50 Chemical composition and microstructure analysis of copolymers by multidimensional liquid chromatography
- CL03 Miroslav Jančo** (The Dow Chemical Company)
12:20 Ultra high performance size exclusion chromatography of synthetic polymers
- <Lunch Break> **12:45~13:45 Waters Luncheon Seminar**

Chairpersons : J. E. Puskas and S. Kanaoka

- IL20 Rudolf Faust** (University of Massachusetts Lowell)
14:00 Investigation of the steric and electronic effects of ethers in the cationic polymerization of isobutylene by FeCl₃/ether complexes in hexanes
- CL04 Sergei V. Kostjuk** (Belarusian State University)
14:30 Cationic polymerization of isobutylene by AlCl₃/ether complexes: A new route to exo-olefin-terminated polyisobutylenes
- IL21 Béla Iván, Ákos Szabó** (Hungarian Academy of Sciences)
14:50 Functional polymers obtained by quasiliving cationic polymerizations as building blocks of novel macromolecular architectures
- CL05 Yixian Wu** (Beijing University of Chemical Technology)
15:20 Controlled/Living Cationic Polymerization of Isobutylene co-initiated by FeCl₃
- CL06 Priyadarsi De** (Indian Institute of Science Education and Research – Kolkata)
15:40 Polyisobutylene based helical block copolymers by combination of living cationic and RAFT polymerizations
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Chairpersons : R. Faust and K. Satoh

- CL07 Szilard Csihony** (BASF SE)
16:20 Economical functionalization of polyisobutylene
- IL22 Shokyoku Kanaoka** (Osaka University)
16:40 One-step synthesis of star and block polymers by monomer-selective sequential living cationic polymerization
- IL23 Kotaro Satoh** (Nagoya University)
17:05 Living cationic and radical polymerizations by reversible activation of C-S bond
- IL24 Judit E. Puskas** (The University of Akron)
17:30 Novel two-phase living carbocationic polymerization
- IL25 David M. Haddleton** (University of Warwick)
18:00 Aqueous SET-LRP: An unprecedented and robust method
- 18:30 ~ 20:30 **Poster Session**

Thursday, 26th September, 2013

Chairpersons : M. F. Cunningham and M. Ouchi

- IL26 Graeme Moad** (CSIRO Materials Science and Engineering)
9:00 Advances in switchable RAFT polymerization
- IL27 Hideharu Mori** (Yamagata University)
9:30 Controlled polymerization of *N*-vinyl and *S*-vinyl monomers
- IL28 Shigeru Yamago** (Kyoto University)
9:55 Recent developments in organotellurium-mediated living radical polymerization (TERP)
- CL08 Shin-ichi Yusa** (University of Hyogo)
10:20 Preparation of block copolymers composed of conjugated and non-conjugated monomers via TERP
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Chairpersons : G. Moad and S. Yamago

- IL29 Takashi Kameshima** (Otsuka Chemical Corporation)
11:00 High performance polymers using living radical polymerization
- IL30 Makoto Ouchi** (Kyoto University)
11:25 Advanced precision polymerizations via design of bond singularity: Control of sequence and topology
- IL31 Yoshiki Nakagawa** (Kaneka Corporation)
11:50 Commercialization of living cationic polymerization and living radical polymerization
- IL32 Michael F. Cunningham** (Queen's University)
12:15 Thermoresponsive catalysts in transition metal mediated miniemulsion polymerization

13:00~18:00 *Excursion*

18:40~21:00 *Banquet*

Friday, 27th September, 2013

Chairpersons : E. Y.-X. Chen and H. Mori

IL33 Yusuf Yagci (Istanbul Technical University)

9:00 Photoinduced electron transfer reactions for macromolecular syntheses through cationic polymerization, ATRP, step-growth polymerization and click reactions

IL34 Costas S. Patrickios (University of Cyprus)

9:30 Poly(pyridinylalkyl methacrylate)s: Preparation by group transfer and RAFT polymerizations, and thermal and hydrolytic stability

IL35 Andrzej Duda (Polish Academy of Sciences)

10:00 Cationic polymerization of cyclic esters: Direct block copolymer formation from a mixture of β -butyrolactone and L,L-dilactide

IL36 Richard Hoogenboom (Ghent University)

10:30 Poly(2-oxazoline)s: From fundamental insights to applications

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IL37 Helmut Schlaad (Max Planck Institute of Colloids and Interfaces)

11:20 Smart polypeptides by ring-opening polymerization of amino acid NCAs

IL38 Stephane Carlotti (University of Bordeaux)

11:50 Rapid and controlled synthesis of polyethers by AROP and monomer activation - Recent developments

<Lunch Break>

Chairpersons : Y. Yagci and T. Yokozawa

IL39 Jacques Penelle (CNRS and University of Paris Est)

14:00 Comboloidal polymers: Access routes to specific decorations via living anionic polymerizations of cyclopropanes and/or polymer modification chemistries

IL40 Nathaniel A. Lynd (University of California, Santa Barbara)

14:30 Recent developments in the anionic ring-opening polymerization of epoxides

CL09 Frederik Wurm (Max Planck Institute for Polymer Research)

15:00 From oxyanionic polymerization of ferrocene-containing monomers to a novel polymerization strategy of aziridine derivatives

IL41 Kozo Matsumoto (Kinki University)

15:20 Synthesis and ring-opening polymerization of silacyclobutane derivatives and their development to functional polymers

IL42 Eugene Y.-X. Chen (Colorado State University)

15:45 Conjugate-addition polymerization of renewable monomers by metal complexes, organic catalysts, and frustrated Lewis pairs

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16:30

Short Oral Session for Rising Stars

(See the next page)

19:00

Short Oral Session for Rising Stars (Friday, 27th September, 2013)

Time	Room A (Event Hall, B1F)	Room B (Amphitheater, 1F)
Chairpersons	C. K. Luscombe, T. Ando, and E. Sato	N. A. Lynd, H. Ajiro, and T. Kitaura
16:30	SLA01 A. Kanazawa (Osaka University) Concurrent cationic vinyl-addition and ring-opening copolymerization of vinyl ethers and isobutylene oxide through crossover propagation reactions	SLB01 T. Kitaura (Osaka University) Anionic star polymer synthesis with one-shot feeding – Monomer selective copolymerization of monovinyl and divinyl monomers
16:45	SLA02 S. Ouadad (University of Bordeaux) Bio-inspired polymerization of isoprene and derivatives	SLB02 R. Goseki (Tokyo Institute of Technology) Cylindrical nanostructure formation of rigid-rod POSS-containing polymethacrylate by star-branched block copolymer self-assembly
17:00	SLA03 J. Huang (National Chung Hsing University) Polymers possessing side-chained cyclic carbonates through cationic polymerization of 4-isopropenylphenoxy propylene carbonate	SLB03 P. P. Brooks (Durham University) Controlling monomer sequences in living anionic polymerization
17:15	SLA04 K. Landenberger (Osaka University) Precision synthesis of well-defined block copolymers with various functionality towards the fine-tuned, controlled formation of inorganic-organic nanomaterials	SLB04 Y. Kohsaka (Osaka University) Polymerization chemistry of α -substituted acrylates toward functional polymers
17:30	SLA05 Y. Oda (Kyushu University) Precision design of water interfaces using poly(vinyl ether)s by living cationic polymerization	SLB05 M. Oshimura (The University of Tokushima) Ring-opening polymerization of cyclic esters with lithium <i>tert</i> -butylzincate under mild conditions
17:45	SLA06 E. Sato (Osaka City University) Control of living radical polymerization of acrylates using ditellurides and binary azo initiators	SLB06 Y. Nakayama (Hiroshima University) Ring-opening polymerization of macrocyclic oligoesters by rare earth catalysts
18:00	SLA07 K. Nagai (Nagoya University) Controlled radical polymerization of cyclic vinyl monomers for rigid-rod vinyl polymers	SLB07 H. Ajiro (Osaka University) Oligo ethylene glycol units introduced to trimethylene carbonate for functional polymers
18:15	SLA08 S. Ida (The University of Shiga Prefecture) Precision gel synthesis by post-crosslinking: Effect of prepolymer structures on thermoresponsive properties	SLB08 S. Honda (Tokyo University of Science) Synthesis of functional and topologically unique polycarbonates by alternating copolymerization of carbon dioxide and epoxide
18:30	SLA09 T. Terashima (Kyoto University) Functional compartment polymers via precision radical polymerization: Star and single chain-folding polymers	SLB09 S. S. Müller (University of Mainz) Polyether-based lipids via oxyanionic ring-opening polymerization: A versatile platform for multifunctional amphiphiles
18:45	SLA10 T. Ando (Nara Inst. of Sci. & Tech.) Development of functional star polymers by living radical polymerization toward biomedical applications	SLB10 H. Okamura (Osaka Prefecture University) I-Line sensitive PAGs and their application to photocrosslinking system

Saturday, 28th September, 2013

Chairpersons : C. S. Patrickios and F. Sanda

- IL43 Toyoji Kakuchi** (Hokkaido University)
9:00 Diphenyl phosphate as an efficient organocatalyst for controlled/living ring-opening polymerization of lactone, cyclic carbonate, and lactide leading to diblock and end-functionalized copolymers
- IL44 Koji Yamauchi** (TORAY Industries, Inc.)
9:25 Well-controlled polymerization of PPS starting from cyclic oligomers
- IL45 Eiji Ihara** (Ehime University)
9:50 Pd-initiated polymerization of alkyl diazoacetates
- IL46 Kyoko Nozaki** (The University of Tokyo)
10:15 Coordination polymerization of polar monomers catalyzed by late transition-metal complexes
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Chairpersons : R. Hoogenboom and E. Ihara

- IL47 Fumio Sanda** (Kansai University)
11:00 Polymerization of phenylacetylenes using well-defined rhodium catalysts
- IL48 Christine K. Luscombe** (University of Washington)
11:25 Controlling semiconducting polymer architectures
- IL49 Tsutomu Yokozawa** (Kanagawa University)
11:55 Controlled synthesis of π -conjugated polymers

12:20 **Closing Session**

Poster Presentation

Mounting Tuesday, 24th, September 9:00 -

Presentation time Wednesday, 25th, September

Group a (odd number): 18:30 - 19:30

Group b (even number): 19:30 - 20:30

Dismounting By Friday morning, 27th, September

P01a	Anionic copolymerization of α -arylacrylate with methyl methacrylate <u>E. Yamaguchi</u> , Y. Kohsaka, T. Kitayama (Osaka University)
P02b	Chemoselective anionic polymerization of acrylic divinyl monomer <u>T. Yoshioka</u> , A. Hashimoto, Y. Ando, T. Kitaura, T. Kitayama (Osaka University)
P03a	Selective anionic cyclopolymerization of divinyl monomers <u>N. Moroi</u> , N. Tanaka, R. Sakamoto, T. Kitaura, T. Kitayama (Osaka University)
P04b	Living anionic polymerization of benzofulvene <u>Y. Kosaka</u> , R. Goseki, T. Ishizone (Tokyo Institute of Technology)
P05a	Core-shell organic-inorganic hybrid particles via surface initiated anionic graft polymerization <u>K. Adachi</u> , T. Tawa, R. Iguchi, K. Adachi, Y. Tsukahara (Kyoto Institute of Technology)
P06b	Synthesis of poly(styrene)- <i>b</i> -poly(methyl methacrylate) via anionic polymerization in plug flow reactor with inline static mixer <u>J.-S. Kim</u> , J.-O. Kweon, J.-H. Lee, J.-M. Lee, S.-T. Noh (Hanyang University)
P07a	Synthesis of high-molecular-weight polyacrylates with hydroxyl- and ethynyl-end functional groups by Me ₃ SiNTf ₂ -catalyzed group transfer polymerization <u>K. Takada</u> , T. Kakuchi (Hokkaido university)
P08b	A novel group transfer polymerization: B(C ₆ F ₅) ₃ -catalyzed GTP of <i>n</i> -butyl acrylate using hydrosilane as a potential initiator <u>S. Tsuchida</u> , T. Kakuchi (Hokkaido University)
P09a	Stereospecific anionic polymerization of acetal-protected α -(hydroxymethyl)acrylate and deprotection of the resulting polymer <u>K. Suzawa</u> , Y. Kohsaka, T. Kitayama (Osaka University)
P10b	Stereoregulation of fluoroalkyl-containing polyacrylates and their surface repellency <u>Y. Ishikawa</u> , S. Katayose, T. Kitaura, T. Kitayama (Osaka University)
P11a	Stereospecific anionic polymerization of 2-chloroethyl methacrylate and chemical modification of the polymers <u>Y. Matsumura</u> , T. Kotani, T. Kitaura, T. Kitayama (Osaka University)
P12b	End-functional stereoregular polymethacrylate with clickable C=C bond: Facile synthesis and thiol-ene reaction <u>T. Kurata</u> , Y. Kohsaka, T. Kitayama (Osaka University)
P13a	Synthesis of well-defined hydroxylated polyisocyanate block copolymer via living anionic polymerization and mild thiol-ene reaction <u>C.-G. Chae</u> , P. N. Shah, J. Min, H. Seo, J.-S. Lee (Gwangju Institute of Science and Technology)
P14b	Electron donor polymers containing carbazole and triphenylamine derivatives synthesized by living anionic polymerization and their applications for organic memory and OLED <u>Y.-G. Yu</u> , M.-J. Kim, N.-G. Kang, B.-G. Kang, J.-S. Lee (Gwangju Institute of Science and Technology)

P15a	Asymmetric anionic polymerization of maleimide derivative bearing dibenzo 24-crown-8 ether at the side chain <u>T. Oishi</u> , N. Suga, K. Yamabuki, K. Onimura (Yamaguchi University)
P16b	Synthesis and asymmetric anionic polymerization of 7-alkyl-2,6-dimethyl-1,4-benzoquinone methides <u>T. Uno</u> , T. Naruse, T. Harada, M. Kubo, T. Itoh (Mie University)
P17a	Enantioselective supramolecular complexation of carboxylic acid dimers linked by chiral amide residues <u>W. Makiguchi</u> , J. Tanabe, H. Yamada, H. Iida, D. Taura, E. Yashima (Nagoya University)
P18b	Synthesis of complementary double helices bearing platinum(II) complex moieties and their helicity induction <u>M. Horie</u> , D. Taura, E. Yashima (Nagoya University)
P19a	Applicability of rigid hybrid-based packing materials for size-based separations of synthetic polymers <u>B. Alden</u> ¹ , E. S. P. Bouvier ¹ , P. Iraneta ¹ , N. Lawrence ¹ , M. Savaria ¹ , J. Shia ¹ , M. Summers ¹ , T. Walter ¹ , J. Wilson ¹ , K. Wyndham ¹ , <u>Y. Haramaki</u> ² (¹ Waters Corporation, ² Waters Asia Pacific)
P20b	Polymer analysis by convergence chromatography using sub-2 μm particle stationary phases B. Čabovska ¹ , M. O'Leary ¹ , <u>T. Ezaki</u> ² (¹ Waters Corporation, ² Nihon Waters)
P21a	Evaluating the use of ion mobility-mass spectrometry for polymer characterization using polydimethylsiloxane as a model A. J. Hoteling ¹ , E. Riches ² , <u>T. Ezaki</u> ³ (¹ Bausch + Lomb, ² Waters, ³ Nihon Waters)
P22b	Advantages of mass spectrometric detection for polymers separated by ultra performance convergence chromatography O. Burt ¹ , B. Čabovska ² , M. O'Leary ² , P. Hancock ¹ and <u>M. Ichiki</u> ³ (¹ Waters Corporation, ² Waters Milford, ³ Nihon Waters)
P23a	Multivariate analysis of C-13 NMR spectra of methacrylate copolymers prepared by copolymerization or polymer reactions <u>Y.-C. Hsu</u> , K. Funaoka, M. Harada, T. Hirano, K. Ute (The University of Tokushima)
P24b	Tacticity analysis of poly(lactic acid) by multivariate analysis of NMR spectra <u>R. Yahata</u> , K. Suganuma, T. Asakura, M. Oshimura, T. Hirano, K. Ute (The University of Tokushima)
P25a	Microstructure analysis of biocompatible phosphoester copolymers <u>T. Steinbach</u> , R. Schroeder, S. Ritz, F. R. Wurm (Johannes Gutenberg-University)
P26b	Salen complexes as Lewis acid catalysts for living cationic polymerization of vinyl ethers <u>S. Kigoshi</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P27a	Controlled cationic polymerization of vinyl ethers using ruthenium complexes as a Lewis acid catalyst <u>K. Takij</u> , A. Kanazawa, S. Kanaoka, N. Kanbayashi, K. Onitsuka, S. Aoshima (Osaka University)
P28b	Controlled cationic polymerization of <i>p</i> -methylstyrene using various metal chlorides as Lewis acid catalysts <u>R. Saitoh</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)

P29a	Monomer-selective living cationic polymerization of vinyl ethers and styrene derivatives <u>R. Kimura</u> , M. Yamada, A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P30b	Metal-free living cationic polymerization via reversible addition-fragmentation chain transfer (RAFT) mechanism <u>M. Uchiyama</u> , K. Satoh, M. Kamigaito (Nagoya University)
P31a	Synthesis of functional thermoplastic elastomer using living cationic polymerization of plant-derived β -methylstyrene <u>S. Suzuki</u> , K. Satoh, M. Kamigaito (Nagoya University)
P32b	Cationic polymerization of β -pinene and <i>trans</i> -anethole initiated by AlCl ₃ etherates: Synthesis of sustainable polymers under mild conditions <u>I. V. Vasilenko</u> , Y. A. Veraksa, N. A. Kukhta, S. V. Kostjuk (Belarusian State University)
P33a	Controlled cationic polymerization of vinylcyclohexane with GaCl ₃ /arene initiating system: Effects of GaCl ₃ -arene complex formation on polymerization <u>S. Tomita</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P34b	Design and control of naphthalene-containing polymers via living cationic polymerization <u>Y. Shinke</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P35a	Controlled cationic polymerization of 1-methoxy-1,3-butadiene: Linear polymer formation from diene monomer <u>Y. Togo</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P36b	Cationic ring-opening polymerization of 1-methoxy-2-methylpropylene oxide: Controlled homopolymerization and copolymerization with vinyl ethers <u>S. Kanda</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P37a	Cationic ring-opening polymerization of novel oxetane-inimers to hyperbranched polyether polyols <u>E. Christ</u> , E. Berger-Nicoletti, S. Müller, H. Frey (Johannes Gutenberg University of Mainz)
P38b	Combining polyacetals and polyethers: Block copolymers based on linear poly(oxymethylene) and hyperbranched poly(glycerol) <u>R. Klein</u> , C. Schuell, M. Haubs, K. Kurz, H. Frey (Johannes Gutenberg University of Mainz)
P39a	Controlled synthesis of multibranching copolymers: Selective carbocation generation from acetal-containing vinyl ether monomers and/or polymers and living cationic polymerization <u>N. Yokoyama</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P40b	Core-first star-shaped polymer synthesis via living cationic polymerization: Initiation from deliberately-introduced acetal moieties in soluble microgel core <u>T. Suzuki</u> , K. Ono, A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P41a	Domino synthesis of star-shaped polymers based on monomer-selective living cationic polymerization <u>M. Yamada</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P42b	Synthesis and characterization of poly(ferrocenyl glycidyl ether- <i>co</i> -1,2-butylene oxide) <u>B.-S. Cho</u> , J.-M. Lee, J.-S. Kim, J.-O. Kweon, S.-T. Noh (Hanyang University)
P43a	Synthesis and characterization of poly(epichlorohydrin- <i>co</i> -1,2-butylene oxide) and poly(epichlorohydrin- <i>co</i> -1,2-hexylene oxide) by cationic polymerization <u>J.-M. Lee</u> , J.-S. Kim, J.-O. Kweon, B.-S. Cho, S.-T. Noh (Hanyang University)

P44b	Controlled cationic polymerization of vinyl ethers in imidazolium-type ionic liquids: Highly polar but appropriate media to polymerization control <u>H. Yoshimitsu</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P45a	Precision synthesis of alternating copolymers with thermoresponsibility and degradability via cationic copolymerization of vinyl ethers and aldehydes <u>S. Matsumoto</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P46b	Precision synthesis of block copolymers with various vinyl ethers and styrene derivatives by living cationic polymerization and their surface properties <u>T. Yoshizaki</u> , A. Kanazawa, S. Kanaoka, S. Aoshima (Osaka University)
P47a	Radical and anionic polymerization of bulky heterocyclic methacrylate derivatives <u>N. Ikeda</u> , K. Satoh, M. Kamigaito (Nagoya University)
P48b	Synthesis of novel liquid crystalline polymers by radical copolymerization of indene derivatives <u>M. Hashimoto</u> , K. Nagai, K. Satoh, M. Kamigaito (Nagoya University)
P49a	Radical copolymerization of phenanthrene derivatives for novel rigid vinyl polymer <u>A. Kaneda</u> , K. Nagai, K. Satoh, M. Kamigaito (Nagoya University)
P50b	Synthesis of novel bio-based polymer by ring-opening radical polymerization of pinocarvone derived from naturally-occurring α -pinene <u>H. Miyaji</u> , K. Satoh, M. Kamigaito (Nagoya University)
P51a	One-pot synthesis of radically curable and highly-branched polymers by addition-fragmentation chain transfer <u>E. Sato</u> ¹ , I. Uehara ¹ , A. Matsumoto ² (¹ Osaka City University, ² Osaka Prefecture University)
P52b	Radical polymerization of <i>N</i> -alkylmethacrylamides in the presence of alkali metal salts: Acceleration and stereocontrol <u>T. Hirano</u> , T. Segata, M. Oshimura, K. Ute (The University of Tokushima)
P53a	Organotellurium-mediated living radical polymerization (TERP) of 2-methacryloyloxyethyl phosphorylcholine (MPC) <u>H. Nakagawa</u> ¹ , S. Yusa ¹ , S. Yamago ² , K. Ishihara ³ (¹ University of Hyogo, ² Kyoto University, ³ The University of Tokyo)
P54b	Radical copolymerization of vinyl acetate and α -olefin with various transition metal complexes <u>T. Kondo</u> , K. Satoh, M. Kamigaito (Nagoya University)
P55a	Synthesis and thermoresponsive property of periodically functionalized poly(NIPAM) by simultaneous chain- and step-growth radical polymerization. <u>D. Ito</u> , K. Satoh, M. Kamigaito (Nagoya University)
P56b	Synthesis of specific sequenced vinyl copolymer via radical alternating copolymerization of maleimide-functionalized sequence-regulated oligomers <u>T. Soejima</u> , K. Satoh, M. Kamigaito (Nagoya University)
P57a	Synthesis of star polymer via reversible cross-linking reaction <u>H. Okura</u> , S. Sakamoto, K. Satoh, M. Kamigaito (Nagoya University)
P58b	Radical polymerization of α -(aminomethyl)acrylate and stimuli-responsibility of the resulting polymer <u>Y. Matsumoto</u> , Y. Kohsaka, T. Kitayama (Osaka University)

P59a	Synthesis and properties of polymethacrylates bearing high content of C ₆₀ moieties <u>V. Ladelta</u> , Y. Kohsaka, T. Kitayama (Osaka University)
P60b	Sustainable metal-catalyzed living radical polymerization via ferrocene-assisted concerted redox catalysis <u>K. Fujimura</u> , M. Ouchi, M. Sawamoto (Kyoto University)
P61a	Green metal catalyzed living radical polymerizations with iron and water: Highly active catalysis beyond conventional systems <u>K. Nishizawa</u> , M. Ouchi, M. Sawamoto (Kyoto University)
P62b	Functional gradient copolymers via synchronized tandem living radical polymerization with in-situ monomer transformation: From sequence control to unique properties <u>Y. Ogura</u> , T. Terashima, M. Sawamoto (Kyoto University)
P63a	New preparation method for poly(amino acid): Ring-opening polymerization of 1,3-oxazolidin-5-one derivatives <u>M. Suzuki</u> , T. Goto, G. Iwasa, S. Matsuoka, K. Takagi (Nagoya Institute of Technology)
P64b	Synthesis and properties of alternating copolymer of carbon dioxide and terminal epoxide having bulky aliphatic group <u>R. Arai</u> ¹ , S. Honda ¹ , H. Goto ¹ , H. Sugimoto ¹ , K. Seto ¹ , W. C. P. Tsang ² , A. Bell ² (¹ Tokyo University of Science, ² Promerus, LLC)
P65a	Syntheses of star-shaped poly(propylene carbonate)s having different branching structures and comparison of their thermophysical properties <u>R. Yamada</u> , S. Honda, H. Sugimoto (Tokyo University of Science)
P66b	Synthesis of polyether-based macromolecular architectures by <i>t</i> -Bu-P ₄ -catalyzed ring-opening polymerization of butylene oxide <u>T. Isono</u> , Y. Satoh, S. Sato, T. Satoh, T. Kakuchi (Hokkaido University)
P67a	Precise synthesis of branched poly(lactic acid)s by a new organocatalyst and its adhesion property <u>J. Kadota</u> , A. Okada, H. Hirano, Y. Agari (Osaka Municipal Technical Research Institute)
P68b	The effect of α -olefin chain length on the performances of polyalphaolefin lubricant by making aluminum based cationic polymerization catalyst Y. S. Ko, <u>J.-H. Yim</u> (Kongju National University)
P69a	Investigation of Heck coupling polymerization for the synthesis of poly(phenylenevinylene) as a catalyst-transfer chain-growth polymerization <u>M. Nojima</u> , R. Saito, Y. Ohta, T. Yokozawa (Kanagawa University)
P70b	Synthesis of well-defined, water-soluble hyperbranched polyamides by chain-growth condensation polymerization of AB ₂ TEG ester monomer <u>Y. Ohta</u> , K. Sakurai, J. Matsuda, T. Yokozawa (Kanagawa University)