
Oral Session

Session: Functional and Synthetic Polymers I

Abstracts p. 55-66

Tuesday, 25th November 2003

Room: Meeting Room 1

11:00-11:40 Keynote Lecture: "New Polymer Materials by Controlled/Living Radical Polymerization"

Krzysztof Matyjaszewski [KL 269] (USA)

11:40-12:00 "Preparation of Melamine Resin Nanocapsules by Using Microreactor with Telomeric Surfactant"

Hideto Shosenji, Misaki Korenori, Katsuki Ito, Yutaka Kuwahara, Tsuyoshi Sawada and Soo Min Park [CL 384] (Japan)

13:30-14:10 Keynote Lecture: "Approaches to Conjugated Polymers via New Solid State Polymerizations"

Daniel J. Sandman [KL 009] (USA)

14:10-14:40 Invited Lecture: "Redox Initiation of Emulsion Polymerization"

D. J. Lamb, Christopher M. Fellows, R. G. Gilbert, B. R. Morrison [IL 387] (Australia)

15:00-15:40 "Development and Future Trends in Water-Absorbing Polymers"

Suda Kiatkamjornwong [KL 437] (Thailand)

15:40-16:00 "Advance Synthesis of Organic-Inorganic Nanohybrid Materials for Coatings"

*Florida B. Buslov, *Leonid D. Shapovalov and Oleg Figovsky* [CL 398] (Israel)

16:00-16:20 "Synthesis and Properties of the Benzene Ring Layered Polymer Using [2,2] Paracyclophane and Ferrocene"

Yasuhiro Morisaki and Yoshiki Chujo [CL 153] (Japan)

Oral Session

Session: Functional and Synthetic Polymers I

Abstracts p. 55-66

Wednesday, 26th November 2003

Room: Meeting Room 1

- 8:30-9:10 Keynote Lecture: "Novel Ring-Opening Polymerization and Its Function"
Takeshi Endo [KL 352] (Japan)
- 9:10-9:30 "Polymeric Metal-Salen Complexes and Their Electrochemical Properties"
Mongkol Sukwattanasinitt, Arpornrat Nantalaksakul, Anupat Potisatityuenyong, Thawatchai Tuntulani, Orawon Chailapakul, and Narong Prapairaksit [CL 296] (Thailand)
- 9:30-9:50 "In-Situ Polymerization of Rare-Earth Luminous PA6"
Yumei Zhang, Yunting Ye, Huaping Wang [CL 086] (China)
- 9:50-10:10 "Preparation and Properties of Aqueous Dispersion Polyurethane"
Charoen Chinwanitcharoen, Toshiro Yamada, Shigeyoshi Kanoh, Shunichi Hayashi and Shunji Sugano* [CL 099] (Japan)
-
- 10:30-11:00 Invited Lecture: "Structure and Properties of (Organic/Inorganic) Nanohybrids Prepared through Direct Polymer Grafting onto Nanofiller Surface"
Atsushi Takahara, Kazuya Yamamoto, Ryosuke Matsuno, Hideyuki Otsuka, and Shin-Ichiro Wada [IL 033] (Japan)
- 11:00-11:20 "Polymerization Shrinkage Kinetic of Dental Resin Composites: Effect of Photoinitiator Concentration and Filler Content"
Mohammad Atai, D. C. Watts, M. Nekoomanesh [CL 394] (Iran)
- 11:20-11:40 "A Novel Photocrosslinkable Main-Chain Liquid Crystalline Alkylphosphate Esters"
P. Kannan and P. Sakthivel [CL 379] (India)
- 11:40-12:00 "Chemical Modification of Hydrolyzable Polyrotaxane Scaffold for an Approach to Cartilage Regeneration"
Wanpen Tachaboonyakiat, Tomoyuki Furubayashi, Masakazu Katoh, Tooru Ooya, and Nobuhiko Yui [CL 231] (Japan)
-
- 13:30-14:00 Invited Lecture: "Probing the Electronic Nature of Polarons and Bipolarons in Thiophene Oligomers Using Vibrational Spectroscopy and Computational Chemistry"
Keith Gordon, Tracey M. Clarke, David L. Officer, Simon B. Hall [IL 402] (New Zealand)
- 14:00-14:20 "Synthesis and Characterization of a Novel Poly(aryl ether) Containing 4-Chloro-2,5-diphenyloxazole"
Nuttaporn Pimpha, Supawan Tantayanon, Frank Harris* [CL 438] (Thailand)
- 14:20-14:40 "Enzymatic Synthesis of Conducting Polyaniline Dispersions Using Chitosan as Steric Stabilizer"
Rodolfo Cruz-Silva, Jorge Romero-García, Gabriela Padrón, Alondra Escamilla, Antonio Ledezma-Perez, Eduardo Arias-Marin, Ivanna Moggio* [CL 344] (Mexico)
-
- 15:00-15:30 Invited Lecture: "Controlled Ring-Opening Polymerisation of Cyclic Esters"
Robert Molloy, Mangkorn Srisa-ard, Yodthong Baimark, Wallika Suksomran, Winita Punyodom, Wimol Saiyasombat and Montira Sriyai [IL 293] (Thailand)
- 15:30-15:50 "Polyphenyleneoxides Formed in Water by Oxidative Polymerization of Phenols"
Kei Saito, Toru Masuyama, and Hiroyuki Nishide [CL 167] (Japan)
- 15:50-16:10 "Fabrication of GRIN Plastic Optical Rods with Inorganic Nanoparticles Using Surfmer"
Jui-Hsiang Liu, Ching-Dong Shieh, and Hsien-Jung Hung [CL 055] (Taiwan)
-

Oral Session

Session: Functional and Synthetic Polymers I

Abstracts p. 55-66

Thursday, 27th November 2003

Room: Meeting Room 1

- 8:30-9:00 Invited Lecture: "Polyimides Containing Pendent Perfluoromethyl Groups: Synthesis, Properties, and Applications"
Frank W. Harris, Fuming Li, Sheng-Hsien Lin, Jyh-Chien Chen, and Stephen Z.D. Cheng [IL 197] (USA)
- 9:00-9:30 Invited Lecture: "Substituent Effects in RAFT Polymerization"
Graeme Moad, Ezio Rizzardo and San H. Thang [IL 433] (Australia)
- 9:30-9:50 "Synthesis of Novel Nanosized π -Conjugated Monomers for Construction of Coordination Polymers"
Somma Pivsa-Art and Gerald Dyker [CL 233] (Thailand)
- 9:50-10:10 "Synthesis and Characterization of Novel Light-Emitting Copolymers Containing Triphenylamine and Anthracene or Perylene Units"
Jaekook Ha, P. Khanchaitit, S.H. Lee, M. Vacha, K. Ogino, and H. Sato [CL 112] (Japan)
-
- 10:30-11:00 Invited Lecture: "Controlling Polymerization of Cyclic Esters"
Andrzej Duda [IL 053] (Poland)
- 11:00-11:20 "Application of Hexadentate Schiff Base Metal Complexes in the Synthesis of Metal-Containing Polymers"
Nuanphun Chantarasiri, Thawatchai Tuntulani, Nantaya Chanma, Choprayoon Chulamanee, Wannipa Jangwong, Duangruthai Sridaeng, Sureeporn Suebphan [CL 058] (Thailand)
- 11:20-11:40 "Functionalisation of Polypropylene with Acrylamide and Itaconic Acid"
Abdul Rasoul Oromiehie [CL 354] (Iran)
- 11:40-12:00 "Design and Synthesis of Light-Emitting Polymers through Intramolecular Energy Transfer"
Lixiang Wang, Jun Liu, Changchun Min, Guoli Tu, Quanguo Zhou, Yanxiang Cheng, Dongge Ma, Xiabin Jing and Fosong Wang [CL 389] (China)
-
- 13:30-14:00 Invited Lecture: "Nonlinear Optical Polymers and Nanophotonics"
Eric Siu-Wai Kong, Wei Ji and Jun He [IL 280] (Singapore)
- 14:00-14:30 Invite Lecture: "Synthesis and Properties of Insoluble Polyconjugated Polymers in Nano Dimensions by the CVD Polymerization"
Kyungkon Kim, Ki-Ryong Lee, Jung-Il Jin [IL 456] (Japan)
- 14:30-14:50 "Free Radical Polymerization of Acrylonitrile in Green Ionic Liquids"
Liang Cheng, Yumei Zhang and Huaping Wang [CL 087] (China)
-
- 15:00-15:20 Invited Lecture: "Copolymerization of Norbornene Initiated with Mettallocene Catalysts"
Dong-Ho Lee [IL 364] (Korea)
- 15:20-15:50 "Mechanism of Monodisperse Poly(acrylamide/methacrylic acid) Microspheres Prepared in Ethanol"
Henmei Ni [CL 127] (Japan)
- 15:50-16:10 "Synthesis and Characterization of Novel \square -Conjugated Polymer Incorporating Phosphole Rings"
Hai Sub Na, Yasuhiro Morisaki and Yoshiki Chujo [CL 105] (Japan)
- 16:10-16:30 "Synthesis of Novel Macrocyclic (arylene ketone) Oligomers by Friedel-Crafts Acylation Reaction"
Tianlu Chen and Qingzhong Guo [CL 026] (China)
-