Preliminary Program for ASEPFPM 6

(As of Jan. 5, 2018)

Happiring Hall, Fukui, Japan

March 7 – 10, 2018

Presentation time, S: Invited, 25 min. (20 + 5) A: 20 min. (15 + 5), B: 15 min. (10 + 5)

DAY 1		March 7 (19:00 – 20:45)
		Chair: Hidetaka Tobita
19:00		Opening Remarks
		Mamoru Nomura, Honorable Chairperson
19:20	1-01S	Are All of Sulfate End-Groups Localized at Particle Surfaces Prepared by Emulsion Polymerization of Styrene with Potassium Persulfate?
		Masayoshi Okubo
		Nanjing Tech University, China
19:45	1-02S	On the Advances of Particle Formation Mechanism
		Henmei Ni
		Southeast University, China
20:10	1-03S	Effect of Chain Transfer to Polymer in Conventional and Living Emulsion
		Polymerization
		Hidetaka Tobita
		University of Fukui, Japan
20:35		Announcement
20:45		End of Day 1

DAY 2 March 8 (9:00 – 21:00)

		Chair: Masayoshi Okubo
9:00	2-01S	Interesting Behavior and Kinetics of Cyclic Siloxanes Ring-opening
		Polymerization in Acid Emulsion
		Kiyoshi Suzuki, Daisuke Ishiguro, Shun Okubo, Tomohiro Miyazaki, Hidetaka Tobita
		University of Fukui, Japan
9:25	2-02S	Preparation of Polymer Particles Containing Reduced Graphene Oxide
		Stabilized by Poly(ionic liquid)
		Hideto Minami ¹ , Mitsuyoshi Yamane ¹ , Masayoshi Tokuda ¹ , Stuart C. Thickett ² , Per B.
		Zetterlund ³
		¹ Kobe University, Japan; ² The University of Tasmania, Australia; ³ University of New
		South Wales, Australia
9:50	2-03S	Advanced Emulsion Polymerization with a Tiny Amount of Low CMC
		Surfactant
		Haruyuki Ishii, Hitoshi Nakazawa, Naoto Kuwasaki, Motohiro Ishii, Daisuke Nagao,
		Mikio Konno
		Tohoku University, Japan
10:15	2-04A	Polymerizable/Reactive Surfactants in Emulsion Polymerization
		Chi Tao, Takuro Kimura, Asako Ogasawara, <u>Kei Shiohara</u> , Masataka Joyabu, Keiichi
		Fujise
		DKS Co. Ltd., Japan
10:35		Break

		Chair: Hideto Minami
10:50	2-05S	Morphology Control in Polymer Nanocomposite Particles, Controlled Radical
		Polymerization vs Free Radical Polymerization
		Alex van Herk ^{1,2} , Olessya Loiko ^{1,2} , Hans Heuts ² , Mohammad Amin Moradi ² ,
		Alexander William Jackson ¹ , Wendy Rusli ¹
		¹ Institute of Chemical Engineering Sciences, Singapore; ² Eindhoven University of
		Technology, Netherlands
11:15	2-06S	RAFT Emulsion Polymerization: Fundamentals and Emerging Functional
		Materials
		<u>Yingwu Luo</u>
		Zhejiang University, China
11:40	2-07S	Synthesis of Nano-particles and Nano-capsules via Iodide Ion (I ⁻) Catalyzed
		Living Radical Polymerization
		Atsushi Goto
		Nanyang Technological University, Singapore
12:05		Lunch Meeting (Wel-Aossa, Aossa, 3F)
12.05		
		Chair: Tatsuo Taniguchi
13:30	2-08S	Development of Novel Materials from Polymerization of Pickering Emulsion and
		High Internal Phase Emulsion Templates
		Shiping Zhu
		McMaster University, Canada & Chinese University of Hong Kong, Shenzhen, China
13:55	2-09S	Synthesis of Multi-Component Polymer Particles with Smart Properties through
		a Controlled Semi-Batch Emulsion Polymerization
		<u>Pei Li</u>
14.00	0 100	The Hong Kong Polytechnic University, China
14:20	2-10S	Preparation of Unimolecular Star-shaped Polymer Particles by RAFT Dispersion
		Polymerization
		Seigou Kawaguchi, Sumika Sato, Keita Ohba, Moriya Kikuchi
14.45	2 11 4	Yamagata University, Japan Two step Penerginitation Method with Size and Zeta Potential Controllability for
14:45	2-11A	Two-step Reprecipitation Method with Size and Zeta-Potential Controllability for Synthesizing Semiconducting Polymer Nanoparticles
		Masaru Nagai, Jun Huang, Wei Huang
		Nanjing Tech University, China
15:05		Break
15.05		
		Chair: Atsushi Goto
15:20	2-12S	Enable New Function for Polysaccharide Microspheres and Preparation of New
		Products
		Guanghui Ma, Wei Wei, Jie Wu, Weiqing Zhou
		Chinese Academy of Sciences, China
15:45	2-13B	Hollow Silica Particles Synthesized with Perhydropolysilazane in W/O Emulsion

 Kaoru Kuramochi, Hana Kiyosawa, <u>Reiko Saito</u> Tokyo Institute of Technology, Japan
2-14B Emulsifier Having Reactive Group in Its Bulky Counter Ion: Its Interfacial Properties and Behavior in Emulsion Polymerization <u>Yuki Ogur</u>a², Hirotomo Maeda¹, Yuta Saito², Koutarou Kanetaki², Chuken O², Atsushi Kameyama¹, Haruma Kawaguchi¹
¹Kanagawa University, Japan; ²Nippon Nyukazai Co., Ltd., Japan

16:15	2-15A	Structural Control of Hydrogel Microparticles Using Aqueous Two Phase
		Separation within Emulsion Droplets
		Takaichi Watanabe, Ibuki Motohiro, Tsutomu Ono
		Okayama University, Japan
16:35	2-16B	Properties of Polyvinyl Acetate Emulsion Having New Type of High Molecular
		Weight Polyvinyl Alcohol
		Yuta Taoka, Keisuke Morikawa, Yoriko Imaoka, Masato Nakamae
		Kuraray Co. Ltd., Japan
16:50		Break
		Chair: Kiyoshi Suzuki

19:00	
	Poster Session
21:00	End of Day 2

DAY 3 March 9 (9:00 – 20:00)

		Chair: Seigo Kawaguchi
9:00	3-01S	Preparation of Liquid Core Nanocapsules Containing Photochromic Dyes by
		Polymerization of O/W Emulsion Monomer Droplets Obtained through Phase
		Inversion Temperature Emulsification
		<u>Tatsuo Taniguchi¹, Yosuke Tsuru¹, Michinari Kohri¹, Keiki Kishikawa¹, Masaki</u>
		Hayashi ²
		¹ Chiba University, Japan; ² NOF Corporation, Japan
9:25	3-02S	Preparation of Biocompatible/Biodegradable Microspheres from Curable
		Polylactic Acid-Based Copolymers for Biomedical Applications
		Kamonchanok Thananukul ¹ , Atitsa Petchsuk ² , <u>Pakorn Opaprakasit¹</u>
		¹ Thammasat University, Thailand; ² National Science and Technology Development
		Agency, Thailand
9:50	3-03S	Photo-Sensitive Copolymers Containing Spironaphthoxazine and Colloidal
		Particles Prepared Therefrom
		In Woo Cheong
		Kyungpook National University, Korea
10:15	3-04B	Preparation of Gigaporous Polymeric Microsphere Stabilized by Aqueous
		Two-Phase System
		<u>Weiqing Zhou</u> , Guanghui Ma
		Chinese Academy of Sciences, China
10:30		Break
		Chair: Guanghui Ma
10:45	3-05S	Effect of Latex Stability on Natural Rubber Latex Film Morphology
		Chee-Cheong Ho, Nut Churinthorn and Jitladda Sakdapipinich

	Universiti Tunku Abdul Rahman, Malaysia
3-06S	Pickering Emulsion Templated Capsules: Preparation and Controlled Release
	<u>To Ngai</u>
	The Chinese University of Hong Kong, China
3-07B	Selection of Dispersants via Adhesion Force Study and Preparation of Stable
	Graphene Dispersion
	Suguna Perumal, Hyang Moo Lee, In Woo Cheong
	3-06S 3-07B

Kyungpook National University, Korea

11:50	3-08B	Preparation and Characterization of Chitosan Dispersed Polylactic Acid Nanocomposite Grafted/Blended with Graphene Oxide Nanoparticles Siti Noor Kamilah Mohamad Universiti Putra Malaysia, Malaysia
12:05		Lunch Meeting (Wel-Aossa, Aossa, 3F)
		Chair: Syuji Fujii
13:30	3-09S	Self-Organization of Soft Hydrogel Microspheres at the Air/Water Interfaces Daisuke Suzuki, Masaya Takizawa, Yuka Sazuka, Haruka Minato
		Shinshu University, Japan
13:55	3-10B	Molecular Design of Polydimethylsiloxane(PDMS)-Based Photo-Curable
		Polymer and Its Effect on Mechanical Properties
		Gwajeong Jeong, Hyunseung Yang, Seong-Dae Park, Woo-Sung Lee
1 4 1 0	0.11.1	Korea Electronics Technology Institute, Korea
14:10	3-11A	Nanocomposite Microgels Formed by Seeded Emulsion Polymerization of
		Styrene in the Presence of Hydrogel Microspheres <u>Takumi Watanabe¹</u> , Song Chihong ² , Kazuyoshi Murata ² , Takuma Kureha ¹ , Daisuke
		Suzuki ¹ Suzuki ¹
		¹ Shinshu University, Japan; ² National Institute for Physiological Sciences, Japan
14:30	3-12B	Easy Removal of Hg^{2+} from Wastewater by Biodegradable Gelatin-Chitosan (GC)
1	0 122	Hydrogel Particles
		Saifullah Lone, In Woo Cheong
		Kyungpook National University, Korea
14:45	3-13A	Application of Polymeric Particle Prepared by Polymerization without
		Surfactant and Influence of Its Wastewater on Microbes
		<u>Tetsuya Yamamoto</u> ¹ , Katsumasa Uematsu ¹ , Yuya Takahashi ¹ , Kenji Arakawa ²
15.05		¹ Nagoya University, Japan; ² Hiroshima University, Japan
15:05		Break
		Chair: Daisuke Suzuki
15:20	3-14S	Light-Driven Delivery of Materials Using Liquid Marble
		Hisato Kawashima ¹ , Hiroyuki Mayama ² , Yoshinobu Nakamura ¹ , <u>Syuji Fujii¹</u>
		Osaka Institute of Technology, Japan; ² Asahikawa Medical University, Japan
15:45	3-15B	Facile Preparation of Metal Layers on Photo-curable Polymeric Surfaces for 3D
		Printing
		Hyunseung Yang, Gwajeong Jeong, Seong-Dae Park, Woo-Sung Lee
		Korea Electronics Technology Institute, Korea
16:00	3-16A	Sub-Micron Silicon/SAN Natural Graphite Self-Assembly Composite and Its
		Application in Li-Ion Batteries
		Zhoulu Wang, Xiang Liu
16:20	3-17B	Nanjing Tech University, China Biomimetically Engineered Demi-Bacteria Potentiate Vaccination Against
10.20	J-1/D	Cancer
		<u>Wei Wei</u> , Guanghui Ma
		Chinese Academy of Sciences, China
		Chair: Hidetaka Tobita
	3-18S	Anisotropic Hybrid Polymer Particles with Well Defined Morphologies
16:35		
16:35		Pramuan Tangboriboonrat, W. Wichaita, N. Sudjaipraparat. S. Nuasaen. C.
16:35		<u>Pramuan Tangboriboonrat</u> , W. Wichaita, N. Sudjaipraparat, S. Nuasaen, C. Kaewsaneha

17:00 3-19	PS The Fourth Generation of Emulsion Polymerization: from the Past, to the Future Jung Hyun Kim Yonsei University, Korea
17:25	Break
19:00	Banquet (Yours Hotel, 4F) Including ceremony of Student's Award selected from Poster Session
21:00	End of Day 3
DAY 4	Post-Conference Tour
9:00	JR Fukui Station: East exit (the opposite exit from Happiring Hall)
	Eiheiji Temple, Lunch at Kagetsu-Rou, Fukui Prefectural Dinosaur Museum

JR Fukui Station

16:00

Poster Session

DAY 2, March 8 19:00 – 21:00

Chair: Kiyoshi Suzuki

The names with double underline are the candidates for Students' Award.

P-01	Preparation of Micrometer-size Poly(Methyl Acrylate) Particles by Utilizing				
	Microsuspension Iodine Transfer Polymerization (ms ITP) : Simulation and Experiment				
	<u>Chujuan Huang¹</u> , Nobuko Yamashita ² , Xiang Liu ¹ , Masayoshi Okubo ^{1,2}				
	¹ Nanjing Tech University, China; ² Kobe University, Japan				
P-02	Preparation of Dye-Incorporated Polystyrene Particles				
	Natalya Sankova, Viktoriya Semeykina, Ekaterina Parkhomchuk				
	Novosibirsk State University, Boreskov Institute of Catalysis SB RAS, Russia				
P-03	Role of "HITENOL AR" Reactive Surfactant in Emulsion and Miniemulsion				
	Polymerization				
	<u>Asako Ogasawara¹</u> , Kei Shiohara ¹ , Masatake Joyabu ¹ , Keiichi Fujise ¹ , Eric S. Daniels ² ,				
	Mohamed S. El-Aasser ²				
	¹ DKS Co. Ltd., Japan; ² Lehigh University, USA				
P-04	A Facile Method for Preparation of Monodisperse Cylindrical Polystyrene Particles				
	Wei Li, Toyoko Suzuki, Hideto Minami				
	Kobe University, Japan				
P-05	Application of Spongy Cellulose Particles to Encapsulations				
	Taro Omura, Kaori Imagawa, Toyoko Suzuki, Hideto Minami				
	Kobe University, Japan				
P-06	Synthesis of Element-Block Polymer Particles Containing Phosphate Group by				
	Stabilizer-Assisted Polymerization-Induced Self Assembly				
	Haruka Hanochi, Nobuaki Nishizawa, Yoshinobu Nakamura, Syuji Fujii				
	Osaka Institute of Technology, Japan				
P-07	Double Emulsion Templated Microspheres with Hierarchical Porous Structures:				
	A Candidate for Trapping Virus-Like Particles				
	Xiangming Na, Guanghui Ma				
	Chinese Academy of Sciences, China				
P-08	Uniformed Size Porous mPEG-PLGA Microspheres for SCT Sustained Release				
	<u>Yi Wei</u> , Guanghui Ma				
	Chinese Academy of Sciences, China				
P-09	Stereocomplexed Polylactide-Based Nanocapsules for Controlling the Release Behavior of				
	Encapsulated Molecules				
	Sayako Ogita, Yui Sakamoto, Takaichi Watanabe, Tsutomu Ono				
	Okayama University, Japan				
P-10	Strange Seeded Emulsion Copolymerization Behavior of Hydrophobic Monomer and				
	Hydrophilic Monomer				
	Ayaka Yamaguchi, Maria Kawaguchi, Kiyoshi Suzuki				
	University of Fukui, Japan				
P-11	Nanoemulsions: Formation, Stability and Relation between Droplet Size and Kinematic				
	Viscosity of Continuous Phase				
	Ritik Shah, Vimal Kumar				
	Indian Institute of Technology Roorkee, India				
P-12	Fabrication of Particle-Stabilized Bubbles and Their Light-Induced Locomotions				
	<u>Masaya Ito¹, Hisato Kawashima¹, Hiroyuki Mayama², Yoshinobu Nakamura¹, Syuji Fujii¹</u>				
	¹ Osaka Institute of Technology, Japan; ² Asahikawa Medical University, Japan				
P-13	Synthesis of Polymeric Microspheres Cross-Linked by Rotaxane Networks				
	<u>Seina Hiroshige¹</u> , Takuma Kureha ¹ , Jun Sawada ² , Daisuke Aoki ² , Toshikazu Takata ² , Daisuke				
	Suzuki ¹				
	¹ Shinshu University, Japan; ² Tokyo Institute of Technology, Japan				
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	Non-Spherical Hollow Latex Particles as White Pigment in Paint Film
	Narissara Sudjaipraparat, Chariya Kaewsaneha, Sukanya Nuasaen, Pramuan Tangboriboonrat
	Mahidol University, Thailand
P-15	High Functionalization of CNTs and Resin Composite Material by Using Polymer
	Particles
	<u>Naoya Toyoda</u> , Tetsuya Yamamoto
	Nagoya University, Japan
P-16	Analysis on Magnetophoretic Properties of Magnetic Composite Particles toward Precise
	Separation of Target Components
	Natsuki Kohama, Haruyuki Ishii, Mikio Konno, Daisuke Nagao
	Tohoku University, Japan
P-17	Preparation of Asymmetric Composite Particles Supporting Nanoparticles for
1 17	Self-Propelled Motion
	Nozomi Shigeta, Haruyuki Ishii, Daisuke Nagao
	Tohoku University, Japan
P-18	Simple and Mass Fabrication of Monodisperse Dimpled Sub-Microparticles Using Free
1-10	Micro Mixer
	Yusuke Kawai, Tetsuya Yamamoto
	<u>Nagoya University, Japan</u>
P-19	Self-Healable Polymers for Anti-Corrosive Coatings
r-19	•
	Sumin Yun, Sunghwan Ju, Jaeil Park, In Woo Cheong Kyungpook National University, Korea
D 20	
P-20	Stable Graphene Alcoholic Dispersions with P(PEGMA-r-DMA) and P(GlyMA-r-DMA)
	Copolymers
	Kum Ju Baek, Suguna Perumal, In Woo Cheong
D 01	Kyungpook National University, Korea
P-21	Emulsion Stabilized by Oppositely Charge Nanoparticles
	Kuan Ting Lin, To Ngai
	The Chinese University of Hong Kong, China
P-22	Invorge Dielzening Miniemulgien Templeted Siliee Submieren Congules and
	Inverse Pickering Miniemulsion Templated Silica Submicron Capsules and
	Solvent-Triggered Release
	Solvent-Triggered Release Hang Jiang, Liangzhi Hong, To Ngai
	Solvent-Triggered Release <u>Hang Jiang</u> , Liangzhi Hong, To Ngai The Chinese University of Hong Kong, China
P-23	Solvent-Triggered ReleaseHang Jiang, Liangzhi Hong, To NgaiThe Chinese University of Hong Kong, ChinaStudying the Anticorrosive Properties of Composite Nickel Coatings Containing
P-23	Solvent-Triggered Release <u>Hang Jiang</u> , Liangzhi Hong, To Ngai The Chinese University of Hong Kong, China Studying the Anticorrosive Properties of Composite Nickel Coatings Containing Microcapsules with a Corrosion Inhibitor
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P-23 P-24	Solvent-Triggered ReleaseHang Jiang, Liangzhi Hong, To NgaiThe Chinese University of Hong Kong, ChinaStudying the Anticorrosive Properties of Composite Nickel Coatings ContainingMicrocapsules with a Corrosion InhibitorKholkin Oleg Sergeevich, Kurbatov Andrey Petrovich, Galeyeva Alyna Kulbaevna,Kokhmetova Saule Talgatovna, Sertaeva Zhanylys OrynbekovnaCenter of Physico-Chemical Methods of Research and Analysis, KazakhstanFabrication of Ordered Structure Incorporating Gold Nanoparticles for Highly Sensitive
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P-24 P-25 P-26	Solvent-Triggered ReleaseHang Jiang, Liangzhi Hong, To NgaiThe Chinese University of Hong Kong, ChinaStudying the Anticorrosive Properties of Composite Nickel Coatings ContainingMicrocapsules with a Corrosion InhibitorKholkin Oleg Sergeevich, Kurbatov Andrey Petrovich, Galeyeva Alyna Kulbaevna,Kokhmetova Saule Talgatovna, Sertaeva Zhanylys OrynbekovnaCenter of Physico-Chemical Methods of Research and Analysis, KazakhstanFabrication of Ordered Structure Incorporating Gold Nanoparticles for Highly SensitiveDetection of Chemical ComponentsAyumi Yahata, Haruyuki Ishii, Daisuke NagaoTohoku University, JapanSynthesis of Block Copolymers for Polymer/Carbon Allotropes CompositesHyang Moo Lee, Jae II Park, In Woo CheongKyungpook National University, KoreaSynthesis of Block Copolymer Coated Iron Oxide Nanoparticles for Kinetic HydrateInhibitionYe Won Bae, In Woo CheongKyungpook National University, Korea
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	¹ Kumamoto Industrial Research Institute, Japan; ² Kumamoto University, Japan;
	³ PHOENICS, Japan
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D 20	² East China University of Science and Technology, China Design and Swithering of Multifunctional Noncommunities Enabling Magnetic Targeting
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