

2022 Japan-Taiwan Bilateral Polymer Symposium - JTBPS 2022 -

March 7-8, 2022

Online Virtual Meeting

Organized by

Prof. Teruaki Hayakawa (Tokyo Institute of Technology, Japan)

Prof. Keiji Tanaka (Kyushu University, Japan)

Co-organized by

Prof. Ya-Sen Sun (National Central University, Taiwan)

Prof. Cheng-Liang Liu (National Taiwan University, Taiwan)

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Japan Society for the Promotion of Science
(JSPS) Bilateral Program

2022 Japan-Taiwan Bilateral Polymer Symposium (JTBP2022)

March 7, 2022

Agenda

Time	Speaker	Chair
10:00-10:15	<i>Opening Remarks</i> Teruaki Hayakawa (Tokyo Tech) Ya-Sen Sun (Nat. Central Univ.) <i>Special Opening Remarks</i> Wen-Chang Chen (Nat. Taiwan Univ.)	Teruaki Hayakawa (Tokyo Tech)
10:15-10:50	<i>Plenary Lecture</i> Achieving high performance organic solar cells with ladder-type conjugated polymers and non-fullerene acceptors Chain Shu Hsu (Nat. Yang Ming Chiao Tung Univ.)	Eiji Ihara (Ehime Univ.)
10:50-11:10	Development of π -Conjugated Polymers for Efficient Organic Photovoltaics Itaru Osaka (Hiroshima Univ.)	
11:10-11:25	<i>Break</i>	
11:25-11:45	Functional Biodegradable Polylactide and Polycarbonate Nano-objects for Biomedical Applications Chih-Kuang Chen (Nat. Sun-Yat-sen Univ.)	Shiao-Wei Kuo (Nat. Sun Yat-sen Univ.)
11:45-12:05	Crystal Component Linking of Porous Crystals for Controlled Polymerization Kenta Kokado (Hokkaido Univ.)	
12:05-12:25	Structures and Fluorescence Behavior of an Azobenzene-Containing Block Copolymer in Solvents Chieh-Tsung Lo (Nat. Cheng Kung Univ.)	
12:25-13:30	<i>Lunch</i>	
13:30-13:50	Development of Pd-based New Initiating Systems For C1 Polymerization of Diazoacetates Eiji Ihara (Ehime Univ.)	Keiji Tanaka (Kyushu Univ.)
13:50-14:10	Single Ion Conducting Polymers for Quasi-Solid Polymer Electrolytes in Lithium Metal Batteries Chi-Yang Chao (Nat. Taiwan Univ.)	
14:10-14:30	Reset, reshuffling, and reconstruction of topologies of polymers for the tuning of material functions Satoshi Honda (Univ. of Tokyo)	
14:30-14:50	Polymer Synthesis and Materials Based on Meldrum's Acid-Mediated Chemistry Ying-Ling Liu (Nat. Tsing Hua Univ.)	
14:50-15:25	<i>Break</i>	
15:25-16:00	<i>Plenary Lecture</i> Design of Stimuli-responsive Polymeric Materials with Dynamic Structures Takashi Miyata (Kansai Univ.)	Rong-Ming Ho (Nat. Tsing Hua Univ.)
16:00-16:20	Development of Conductive Biodegradable Composite Polymer for Neuron Regeneration Jane Wang (Nat. Tsing Hua Univ.)	
16:20-16:40	One-step Synthesis of Sequence-controlled Multiblock Polymers from Monomer Mixture Toshifumi Satoh (Hokkaido Univ.)	
16:40-17:00	<i>Break</i>	
17:00-17:20	Wholly Aromatic Polyimide Film Manifesting Simultaneously Unprecedented PL Efficiency and High T _g Guey-Sheng Liou (Nat. Taiwan Univ.)	Jeng-Shiung Jan (Nat. Cheng Kung Univ.)
17:20-17:40	Pt-Free Fuel Cell Catalysts Derived from Nitrogen-Containing Polymers and Macrocycles Yuta Nabae (Tokyo Tech)	
17:40-18:00	Fabrication of Frog-Skin-Inspired Slippery Antibiofouling Coatings through Degradable Block Copolymer Wrinkling Han-Yu Hsueh (Nat. Chung Hsing Univ.)	

2022 Japan-Taiwan Bilateral Polymer Symposium (JTBP2022)

March 8, 2022 Agenda

Time	Speaker	Chair
10:15-10:50	Plenary Lecture Emergence of Laves C14 Phase of Block Copolymer in the Fuzzy Colloid Regime Hsin-Lung Chen (Nat. Tsing Hua Univ.)	Takeshi Serizawa (Tokyo Tech)
10:50-11:10	Experimental Test of the Universality of Entanglement in Flexible and Semiflexible Polymers Tadashi Inoue (Osaka Univ.)	
11:10-11:25	Break	
11:25-11:45	Hollow Gyroid Featuring Minimum Structural Volume from a Dual- Removable Ternary Nanocomposite Yeo-Wan Chiang (Nat. Sun-Yat-sen Univ.)	Jing Cherng Tsai (Nat. Chung Cheng Univ.)
11:45-12:05	Self-healing and Ion Conductive Hybrid Materials Hideharu Mori (Yamagata Univ.)	
12:05-12:25	Non-Volatile Photomemory with Ultrafast and Multi-Level Memory Behavior Jung-Yao Chen (Nat. Cheng Kung Univ.)	
12:25-13:30	Lunch	
13:30-13:50	Molecularly Designable Synthetic Nanocelluloses Takeshi Serizawa (Tokyo Tech)	Tadashi Inoue (Osaka Univ.)
13:50-14:10	Bio-inspired Zwitterionic Copolymers For Bio-inert Biomaterials and Advanced Applications Yung Chang (Chung Yuan Christian Univ.)	
14:10-14:30	Zwitterionic building blocks for development of biomaterials Chun-Jen Huang (Nat. Central Univ.)	
14:30-14:55	Break	
14:55-15:30	Plenary Lecture AFM Observation of Polymer Structures at the Molecular Level Jiro Kumaki (Yamagata Univ.)	Ru-Jong Jeng (Nat. Taiwan Univ.)
15:30-15:50	2D Porous Arrays Assembled from Giant Metallo-Supramolecular Cages Yi-Tsu Chan (Nat. Taiwan Univ.)	
15:50-16:10	Tri-branched gels: Low branching factors make rubbery materials ultra-elastic Takamasa Sakai (Univ. of Tokyo)	
16:10-16:25	Break	
16:25-16:45	Polymer Nanomaterials Using Porous Templates Jiun-Tai Chen (Nat. Yang Ming Chiao Tung Univ.)	Hideharu Mori (Yamagata Univ.)
16:45-17:05	Synthesis of chain-end sequence-controlled polymers by living anionic addition reaction of 1,1-diphenylethylene derivatives Takashi Ishizone (Tokyo Tech)	
17:05-17:15	Introduction of Journal of Polymer Research <i>Editor in Chief</i> : Hsin-Lung Chen (Nat. Tsing Hua Univ.)	Teruaki Hayakawa (Tokyo Tech)
17:15-17:25	Introduction of Polymer Journal <i>Editor in Chief</i> : Keiji Tanaka (Kyushu Univ.)	
17:25-17:35	<i>Closing Remarks</i> Keiji Tanaka (KyushuUniv.) Cheng-Liang Liu (Nat. Taiwan Univ.)	Ya-Sen Sun (Nat. Central Univ.)