

**2026 Trilateral Conference on Modern Challenges in Polymer Science and Technology  
Frontiers in Polymer Science for Emerging Technologies and Next Horizons**

**01月08號 ( 四 ) January 8 (Thursday)**

**國際研討會 International Symposium ( 旺宏館2F 245周懷僕講堂 / Macronix Building 2F, Room 245 )**

Agenda Organizer: Ho-Hsiu Chou (National Tsing Hua University, Taiwan)

Time	Speech Topic / Speaker	Session Chair
13:30-13:35	<b>Opening Remark</b> Eiji YASHIMA (Yushan Fellow, Department of Chemical Engineering, National Tsing Hua University)	
13:35-13:40	<b>Group Photos</b>	
13:40-14:20	<b>Supramolecular Plastics for a Sustainable Future</b> PL: Takuzo AIDA (The University of Tokyo, Japan)	
14:20-14:40	<b>DFT-Guided Design of Reversibly Depolymerizable Polybutadienes</b> IL: Bumjoon Seo (Seoul National University of Science and Technology, Korea)	Hsing-Lung Chen (National Tsing Hua University, Taiwan)
14:40-15:10	<b>Molecular Engineering of C-Shaped ortho-Benzodipyrrole-based A-D-A type Acceptors for High-Performance Polymer Solar Cells</b> KL: Yen-Ju Cheng (National Yang Ming Chiao Tung University, Taiwan)	
15:10-15:30	<b>Coffee Break</b>	
15:30-16:10	<b>Sustainable Polymer Science and Materials: Challenges and Perspective</b> PL: Mitsuo SAWAMOTO (Kyoto University / Chubu University, Japan)	Jing-Cherng Tsai (National Chung Cheng University, Taiwan)
16:10-16:30	<b>Tin Halide Perovskites: New Opportunities for Next-Generation Semiconductor Technologies</b> IL: Hui Joon Park (Hanyang University, Korea)	
16:30-16:50	<b>Polymer-Intercalated NiFe-LDH Electrodes with Tunable Interlayer Spacing for Efficient and Stable Oxygen Evolution Reaction in Seawater Electrolysis</b> IL: Ling-Yu Chang (National Taipei University of Technology, Taiwan)	
16:50-17:10	<b>Analysis of Dynamic Wetting in Structure Controlled Polymer Brushes</b> IL: Tsukuru Masuda (The University of Tokyo, Japan)	
17:10-17:40	<b>Photocatalytically Enhanced Amidoxime-Metal Oxide Nanofiber Adsorbents for Selective Metal Ion Recovery from Seawater</b> KL: Taek Seung Lee (Chungnam National University, Korea)	
18:30-20:30	<b>晚宴 Banquet</b>	

**01月09號 ( 五 ) January 9 (Friday)**

**國際研討會 International Symposium ( 旺宏館2F 245周懷僕講堂 / Macronix Building 2F, Room 245 )**

Agenda Organizer: Ho-Hsiu Chou (National Tsing Hua University, Taiwan)

時間Time	Speech Topic / Speaker	Session Chair
8:50-9:20	<b>Cohesion Interphase between Same Polymers</b> KL: Takashi Nishino (Kobe University, Japan)	Taek Seung Lee (Chungnam National University, Korea)
9:20-9:40	<b>Organic-Inorganic Hybrid Dielectrics: From Sol-Gel Strategies to Printed and Flexible Devices</b> IL: Hyeok-jin Kwon (Pukyong National University, Korea)	
9:40-10:00	<b>Development of Multifunctional Polymer Electrolytes for Enhancing the Performance and Stability of Solid-State Lithium Metal Batteries</b> IL: Yun Sheng Ye (National Sun Yat-sen University, Taiwan)	
10:00-10:20	<b>Development of Functional Luminescent Materials Based on Group 13 Element Complexes Composed of Even-Electron/Odd-Atom Conjugated Systems</b> IL: Shunichiro Ito (Kyoto University, Japan)	
10:20-10:40	<b>Coffee Break</b>	
10:40-11:10	<b>Static crystalline structures of polyethylene studied by advanced electron microscopy</b> KL: Hiroshi JINNAI (Tohoku University, Japan)	Takashi Nishino (Kobe University, Japan)
11:10-11:40	<b>Colloidal Diamonds of Titania Spheres from C15 Laves Structures</b> KL: Gi-Ra Yi (Pohang University of Science and Technology, Korea)	
11:40-12:00	<b>Mechanochemical Activation of Commodity Plastics Toward Applications in Organic Synthesis</b> IL: Koji Kubota (Hokkaido University, Japan)	
12:00-13:00	<b>午餐 Lunch</b>	
13:00-13:30	<b>Developments of Living Radical and Ionic Polymerizations Based on Dormant Species for Precision Polymer Synthesis</b> KL: Masami KAMIGAITO (Nagota University, Japan)	Jyh-Chien Chen (National Taiwan University of Science and Technology, Taiwan)
13:30-13:50	<b>Polybenzimidazole-Based Anion Exchange Membranes for Fuel Cell and Water Electrolysis Applications</b> IL: Li-Cheng Jheng (National Kaohsiung University of Science and Technology, Taiwan)	
13:50-14:10	<b>Eco-efficient Synthesis of High-Performance Polyimides via Water-Borne Poly(amic acid) Salts</b> IL: Jongmin Park (Korea Research Institute of Chemical Technology, Korea)	
14:10-14:30	<b>Development of high-performance semiconducting polymers based on <math>\pi</math>-extended electron-deficient building units</b> IL: Tsubasa Mikie (Hiroshima University, Japan)	
14:30-14:50	<b>Synthesis and Applications of Traditional High-Performance Polymers for Optoelectronic and Energy Storage devices</b> IL: Yu-Ruei Kung (Tatung University, Taiwan)	
14:50-14:55	<b>Closing Remark</b>	