

Plastic Circular Economy International Symposium 2025


9:00-15:50, September 18 (Thu.), 2025

Room 3101, 1F, Building 3, Area 4, Senriyama Campus, Kansai University

9:00	Opening remark		
9:05	Professor Takashi Nishino	President, The Society of Polymer Science, Japan (SPSJ) Kobe University, Japan	
9:05	Opening address		
9:15	Dr. Daisuke Kawakami	Secretariat of Science, Technology and Innovation Policy, Cabinet Office, Government of Japan	



Keynote Lecture

Chairperson : **Associate Professor Yuushou Nakayama**, Hiroshima University

9:15	Professor Kohzo Ito	Program Director of SIP Phase 3 "Development of Circular Economy System", The University of Tokyo, Japan	
9:45	Polymers for Circular Economy		

Session1: Polymer and Material Science Innovation

Chairperson : **Associate Professor Yuushou Nakayama**, Hiroshima University

9:45	Professor Ho-Hsiu Chou	National Tsing Hua University, Taiwan	
10:10	Side-chain Modulation of Conjugated Polymers Enables Solar Plastic Upcycling: From Designer Polymers to Plastic Waste Photoreforming		
10:10	Dr. Hyo Jeong Kim	Korea Research Institute of Chemical Technology (KRICT), Korea	
10:35	Hydrophobic Surface Modification of Nanocellulose via Green Emulsified Esterification		

Session2: Material Recycle and Upcycle Technology

Chairperson : **Emeritus professor Shigeru Yao**, Fukuoka University

10:45	Professor Ching-Hsuan Lin	National Chung Hsing University, Taiwan.	
11:10	Recycling and Upcycling of Polycarbonate and Poly(ethylene terephthalate)		
11:10	Professor Dongyeop Oh	Inha University, Korea	
11:35	Marine-Degradable Poly(ester amide)s for High-Strength Applications in Circular Plastic Systems		
11:35	Professor Takahiko Kawai	Tohoku University, Japan	
12:00	Data-Driven Mapping of Structural and Physical Features in Recycled Polypropylene Toward Circular Economy		

Session3: Industrial Applications and Sustainable Product Development

Chairperson : **Dr. Takeharu Isaki**, Mitsui Chemicals, Inc.

13:00	Dr. Fanny Liao	Far Eastern New Century Corporation, Taiwan	
13:25	Circular Economy Development of PET and PU		
13:25	Dr. Masashi Otsuki	Bridgestone Corporation, Japan	
13:50	Towards GX Acceleration in the Tire Industry – GX Initiatives of Bridgestone Corporation –		
13:50	Dr. Jaesik Seo	Hyundai Motor Company, Korea	
14:15	Sustainable Moving Lab: Reborn EV3 Study Car		

Session4: Circular Economy Implementation

Chairperson : **Professor Nobuhiro Kihara**, Kanagawa University

14:30	Dr. Daisuke Sasaki	San-ei Kogyo Corporation, Japan	
14:55	Precise Thermal Degradation of Polyolefin and Development of New Modified Polyolefin		
15:20	Dr. Shu-Chuan Huang	Industrial Technology Research Institute (ITRI), Taiwan.	
15:20	Development of Plastic Recycling Technologies in ITRI		
15:20	Professor Emeritus Kookheon Char	Seoul National University, Korea	
15:45	Materials Innovation for Sustainable Future beyond Circular Economy		
15:45	Closing remark		
15:50	Mr. Yoshikazu Uehara	Chair, Research Group on the Circular Economy, SPSJ Mitsui Chemicals, Inc., Japan	