Convention Hall

S1-1 Polymer Synthesis and Characterization I 15:40-17:25 Ching-Hsuan Lin Chair National Chung Hsing University, Taiwan **Swaminathan Sivaram** Indian Institute of Science Education and Research, India 15:40-16:05 [Invited] Aliphatic Polyesters: A Platform for **Design of Sustainable Materials** Swaminathan Siyaram Indian Institute of Science Education and Research, India 16:05-16:25 Modified Bio-Based Polyurethane Foam with Rosin via a Green Process Chu-Chun Hsieh, Yi-Chun Chen National Chung-Hsing University, Taiwan 16:25-16:45 A Facile Strategy to Achieve Fully Bio-Based **Epoxy Thermosets from Eugenol** Chien-Han Chen¹, Shih-Huang Tung¹, Ru-Jong Jeng¹, Mahdi M. Abu-Omar², Ching-Hsuan Lin³ ¹National Taiwan University, Taiwan / ²University of California, USA / 3 National Chung Hsing University, Taiwan The Reaction of Activated Esters with 16:45-17:05 **Epoxides for Self-Curable, Highly Flexible** A₂B₂- and A₃B₃-Type Epoxy Compounds Ching-Hsuan Lin¹, Chien-Han Chen¹, Chia-Min Lin¹, Tzong-Yuan Juang², Mahdi M. Abu-Omar³ ¹National Chung Hsing University, Taiwan / ²China Medical University, Taiwan / 3University of California, USA 17:05-17:25 Deep Eutectic Solvents as Green Media for **Peptide Synthesis**

Chen-Yu Chien, Sheng-Sheng Yu

National Cheng Kung University, Taiwan

S3-1	Functional and Self-Assembled Materials I	
	15:40-17:30	
Chair	Jui-Hsiang Liu	
	National Cheng Kung University, Taiwan	
	Takashi Kato	
	The University of Tokyo, Japan	

15:40-16:05	[Invited] Nanostructured Liquid-Crystalline Materials for Water Treatment and Energy
	Takashi Kato
	The University of Tokyo, Japan
16:05-16:30	[Invited] Protein Assembly Driven by Dual Non-Covalent Interactions
	Guosong Chen
	Fudan University, China
16:30-16:50	Fabrication and Characterization of Photo/Thermal Tunable Liquid Crystalline Polymeric Actuators
	Kai-Ti Chang, Yi-Hua Hung, Chun-Yen Liu, Jui-Hsiang Liu
	National Cheng Kung University, Taiwan
16:50-17:10	Nanonetwork Phenolic and Epoxy Resins for High Energy Dissipation
	Suhail Kizhakkeveettil Siddique ¹ , Tze-Chung Lin ¹ , Yung-Hsuan Chang ¹ , Chang-Chun Lee ¹ , Cheng-Yu Lin ¹ , Shou-Yi Chang ¹ , Ping-Chi Tsai ² , Yeau-Ren Jeng ² , Rong Ming Ho ¹
	¹ National Tsing Hua University, Taiwan / ² National Chung Cheng University, Taiwan
17:10-17:30	Functional Bioinspired Polypeptoids
	Jing Sun, Jirui Wei, Xiaohui Fu, Zhibo Li

Room 103		Room 201	
S7-1	Polymers for Biomaterials and Medicine I	S2-1	Polymer Structure, Surface and Interface I
	15:40-17:10		15:40-17:10
Chair	Kazuhiko Ishihara The University of Tokyo, Japan Ki Dong Park Ajou University, Korea	Chair	Jaseung Koo Chungnam National University, Korea Han-Yu Hsueh National Chung Hsing University, Taiwan
15:40-16:05 16:05-16:30	[Invited] Biocompatible Poly(Ether-Ether- Ketone) as Implantable Biomaterials Kazuhiko Ishihara	15:40-16:05	[Invited] Diffusion Dynamics of Polymer Melts Confined between two Immiscible Polymer-Polymer Interface
	The University of Tokyo, Japan [Invited] Enzyme-Mediated Hydrogel		Kyoung-il Jo ^{1,2} , Younghoon Oh ³ , Bong June Sung ³ , Tae-Ho Kim ⁴ , Guangcui Yuan ⁵ , SushilK.Satija ⁵ , Jaseung Koo ⁴
	Formation and Surface Modification for Therapeutic Applications Ki Dong Park Ajou University, Korea		¹ Korea Atomic Energy Research Institute, Korea / ² Korea University, Korea / ³ Sogang University, Korea / ⁴ Chungnam National University, Korea / ⁵ National Institute of Standards and Technology, USA
16:30-16:50	Polymeric Nanomaterials for Drug and Nitric Oxide Delivery	16:05-16:30	[Invited] Impact of Interfaces on Physical Properties of Polymers
	Won Jong Kim		Keiji Tanaka
	Pohang University of Science and Technology, Korea		Kyushu University, Japan
16:50-17:10	Photocrosslinked Polymers Containing Cinnamoyl Groups with Fibroblast Cell-	16:30-16:50	Polyolefin Comb Block Copolymers and Interfacial Reinforcement
	Compatibility		Andy Haishung Tsou
	Shinya Yano, Takumi Iwase, Mitsuhiro Shibata, Naozumi Teramoto		Daxin Materials, Taiwan
	Chiba Institute of Technology, Japan	16:50-17:10	Bioinspired Durable Superhydrophobic Surface from Hierarchically Wrinkled Nanoporous Polymer
			Han-Yu Hsueh, Ting-Lun Chen, Ching-Yu Huang, Yi-Ting Xie
			National Chung Hsing University, Taiwan

Room 202

S5-1	Organic/Inorganic Hybrids and Nanocomposites I			
	15:40-17:30			
Chair	Li-Ting Lee Feng Chia University, Taiwan Kenji Takahashi Kanazawa University, Japan			
15:40-16:05	[Invited] A New Cellulose Derivative for Carbon Fiber Reinforced Plastic			
	Kenji Takahashi			
	Kanazawa University, Japan			
16:05-16:30	[Invited] Three-Dimensional Graphene/Polymer Nanocomposites: Multi- Functional Materials of Next Generation			
	Jang-Kyo Kim			
	The Hong Kong University of Science and Technology, Hong Kong			
16:30-16:50	Controlled Size and Shape of Pt-Pd-Carbon Cathode Catalyst with Improved Methanol Tolerance for Fuel Cell			
	Cindy Mutiara Septani, Ya Sen Sun			
	National Central University, Taiwan			
16:50-17:10	Enhanced Near-Infrared Photoresponse of Inverted Perovskite Solar Cells through Rational Engineering of Electron-Transporting Layer			
	Chih-I Chen, Chu-Chen Chueh			
	National Taiwan University, Taiwan			
17:10-17:30	Novel Blends and Composites of Biodegradable Polymer: Investigations on Crystallization and Physical Properties			
	Li-Ting Lee			
	Feng Chia University, Taiwan			

Room 203

S4-1	Polymers for Optoelectronics and Energy I		
	15:40-17:30		
Chair	Kung-Hwa Wei National Chiao Tung University, Taiwan Alex Jen		
	City University of Hong Kong, Hong Kong		
15:40-16:05	[Invited] Transformative Impact of Printable Solar Cells for Meeting Next-Generation Energy Demands		
	Alex Jen		
	City University of Hong Kong, Hong Kong		
16:05-16:30	[Invited] Atom-Varied Side-Chain Conjugated Polymers Donors in Non-Fullerene Photovoltaics Efficiencies Compared to Machine Learning Prediction		
	Yu-Che Lin, Chung-Hao Chen, Kung-Hwa Wei		
	National Chiao Tung University, Taiwan		
16:30-16:50	Intrinsically Stretchable Isoindigo- Bithiophene Conjugated Polymers Using Polyacrylateamide Side Chains for Organic Field-Effect Transistors		
	Yan-Cheng Lin, Chien-Chung Shih, Yun-Chih Chiang, Chun-Kai Chen, Wen-Chang Chen		
	National Taiwan University, Taiwan		
16:50-17:10	Star-Shaped Triblock Copolymers Containing Poly(3-hexylthiophene) (P3HT) and Bio-Based Poly(δ-decanolactone) (PDL) for Organic Field-Effect Transistor Applications		
	Li-Che Hsu ^{1,2} , Saburo Kobayashi ² , Yun-Chi Chiang ¹ , Takuya Isono ² , Takuya Yamamoto ² , Kenji Tajima ² , Toshifumi Satoh ² , Wen-Chang Chen ¹		
	¹ National Taiwan University, Taiwan / ² Hokkaido University, Japan		
17:10-17:30	Investigation for Indoor Performance of Organic Photovoltaics Based on Non-fullerend Acceptors Materials		
	Yu-Ching Huang, Chia-Feng Li, Zhi-Hao Huang, Po-Hung Liu, Yu-Xuan Huang, Kal-Shan Huang,		

Yun-Ming Sung

Ming Chi University of Technology, Taiwan

Oct. 29 (Tuesday)

Convention Hall

S1-2	Polymer Synthesis and Characterization II	S1-3	Polymer Synthesis and Characterization III
	10:00-11:50		13:30-15:20
Chair	Akira Hirao National Taiwan University, Japan Takashi Ishizone Tokyo Institute of Technology, Japan	Chair	Zi-Chen Li Peking University, China Chienhsin Wu National Taiwan University, Taiwan
10:00-10:25	[Invited] Anionic Polymerization of 4-Acylstyrene Derivatives Takashi Ishizone, Raita Goseki Tokyo Institute of Technology, Japan	13:30-13:55	[Invited] Tough and Recyclable Polyesters by Ring-Opening Polymerization of Benzo-Thia- Caprolactones Zi-Chen Li
10:25-10:50	[Invited] Precise Synthesis of All Structural Possible Tetrablock Quaterpolymers by Methodology Combining Living Anionic Polymerization with Linking Chemistry Using 1:1 Addition Reaction	13:55-14:20	Peking University, China [Invited] Synthesis of Biobased Poly(γ-butylactone) and its Copolymers via ROP Zhibo Li Qingdao University of Science and Technology, China
	Akira Hirao National Taiwan University, Taiwan	14:20-14:40	Highly Efficient Process for Polycarbonate Conversion
10:50-11:10	Multi-Component Reactions in Synthetic Polymer Chemistry; From Fundamental Chemistry to Material Applications Ryohei Kakuchi		Chienhsin Wu ¹ , Ying-Chi Huang ¹ , Shenghong A. Dai ² , Ru-Jong Jeng ¹ ¹ National Taiwan University, Taiwan / ² National Chung Hsing University, Taiwan
11:10-11:30	Gunma University, Japan Preparation of High Performance Thermosetting Polymers Possessing Meldrum's Acid (MA) Group via Michael Addition and Diels-Alder Reaction Chien-Ho Huang, Ying Ling Liu	14:40-15:00	Fabrication of Mesoporous Garnet-Type Sphere via Gelation-Induced Phase Separation for LIB Applications Cheng-Yen Chang, Tzu-Sen Su, Tzu-Chien Wei, Rong-Ming Ho National Tsing-Hua University, Taiwan
11:30-11:50	National Tsing Hua University, Taiwan Graphitic Material Prepared from DA-Related Polymer via Anionic Polymerization Yi-Fan Huang ¹ , Weo-Yao Tung ² , Chung-Fu Cheng ² , Xiang Li ² , Yun-Yu Lai ² , Heng-Yi Lin ¹ , Cheng Pu ² ,	15:00-15:20	Stereospecific Radical Polymerization of N,N-Disubstituted Acrylamides and NMR Analysis of Stereoregularity of the Polymers Obtained Tomohiro Hirano, Miyuki Oshimura, Koichi Ute Tokushima University, Japan
	Yu Zhu ² , Chien-Lung Wang ¹ ¹ National Chiao Tung University, Taiwan / ² University of Akron, USA		

Oct. 29 (Tuesday) Room 101

S3-2	Functional and Self-Assembled Materials II	
	10:00-11:30	
Chair	Yeong-Tarng Shieh	
	National University of Kaohsiung, Taiwan	
	Fumio Sanda	
	Kansai University, Japan	

	Kansai University, Japan		
10:00-10:25	[Invited] New Functional Materials Based on Sulfur Plastics		
	Kookheon Char		
	Seoul National University, Korea		
10:25-10:50	[Invited] Aggregation of Novel Polyurethanes Containing Diketopiperazine Moieties in the Main Chain		
	Fumio Sanda, Noritaka Shimosaraya, Yu Miyagi		
	Kansai University, Japan		
10:50-11:10	CO ₂ -Switchable Emulsifiers		
	Yeong-Tarng Shieh ¹ , Pei-Yu Tai ¹ , Yao-Chuan Yeh ¹ , Fang-Zi Hu ¹ , Chih-Chia Cheng ²		
	¹ National University of Kaohsiung, Taiwan / ² National Taiwan University of Science and Technology, Taiwan		
11:10-11:30	Ring-Banded High-Density Polyethylene Spherulites Re-Investigated		
	Selvaraj Nagarajan, Eamor M. Woo		
	National Cheng Kung University, Taiwan		

S3-3	Functional and Self-Assembled Materials III
	13:30-15:20
Chair	Chih-Feng Huang National Chung Hsing University, Taiwan Jae-Suk Lee Gwangju Institute of Science and Technology, Korea
13:30-13:55	[Invited] Synthesis of Bottlebrush Block Copolymers, Their Self-Assembly and 1D Photonic Crystals
	Yong-Guen Yu, Chang-Geun Chae, Ho-Bin Seo, Myung-Jin Kim, Jae-Suk Lee
	Gwangju Institute of Science and Technology, Korea
13:55-14:20	[Invited] Synthesis of Novel Polymers with Incompatible Segments by Living Polymerizations toward the Applications of Nanomaterials
	Chih-Feng Huang
	National Chung Hsing University, Taiwan
14:20-14:40	Construction, Self-Assembly, and Mass Spectrometry Analysis of Metallo- Supramolecular Copolymers
	Yi-Tsu Chan, Tsung-Han Tu
	National Taiwan University, Taiwan
14:40-15:00	Effects of Temperature on the Rheology and Self-Assembled Structures of Lecithin/Inorganic Salts Mixtures in Non- Polar Solvent
	Hung-Ming Chang, Shih-Huang Tung
	National Taiwan University, Taiwan
15:00-15:20	Smart Chemical Design of High-Performance Thermosets Based on Ortho-Benzoxazine Chemistry and Natural Renewable Resources
	Kan Zhang, Mengchao Han, Yuqi Liu, Xinye Yu
	Jiangsu University, China

Oct. 29 (Tuesday)

S7-2	Polymers for Biomaterials and Medicine II	S7-3	Polymers for Biomaterials and Medicine III
	10:00-11:25		13:30-15:20
Chair	Chih-Kuang Chen National Sun Yat-sen University, Taiwan	Chair	Yung Chang Chung Yuan Christian University, Taiwan
	Hsieh-Chih Tsai National Taiwan University of Science and Technology, Taiwan		Penny Martens UNSW Sydney, Australia
10:00-10:25	[Invited] Functional HPMA-Based Copolymers for Anticancer Drug Delivery Qingsong Yu, Zhihua Gan	13:30-13:55	[Invited] Design of Biosynthetic Hydrogels: Balancing the Macroscopic and Biological Properties Penny Martens
10:25-10:45	Preparation of Polylactide-Based Nanoformulations for Cancer Therapy	13:55-14:20	UNSW Sydney, Australia [Invited] Bio-Inspired Polymeric Membranes in Medical Applications
	Applications Chih-Kuang Chen ¹ , Zheng-lan Lin ¹ , You-Ting Li ²		Yung Chang Chung Yuan Christian University, Taiwan
	¹ National Sun Yat-sen University, Taiwan / ² National Yunlin University of Science and Technology, Taiwan	14:20-14:40	Biomimetic Zwitterionic Copolymers for Antifouling Coating
10:45-11:05	Co-Electrospinning of β-Glucosidase/PVA Functionalized Nanofibers for Natural Sweetener Production		Shuo Hsi Tang, Yung Chang Chung Yuan Christian University, Taiwan
	Virly Lin, Reuben Wang Tunghai University, Taiwan	14:40-15:00	Polyphosphoesters for Modulation of Bone Cell Behaviors
11:05-11:25	Encapsulated Gadolinium Doped Ferrite in Generation 4.5 Poly(Amidoamine) Dendrimer		Yasuhiko Iwasaki, Akihisa Otaka Kansai University, Japan
	for Cancer Theranostics Using Alternating Magnetic Field	15:00-15:20	3D Printing of Functional Polymers for Tissue Engineering Applications
	Tefera Worku Mekonnen ¹ , Hsieh Chih Tsai ¹ , Jen Ming Yang ^{2,3}		Yi-Cheun Yeh National Taiwan University, Taiwan
	¹ National Taiwan University of Science and Technology, Taiwan / ² Chang Gung University, Taiwan / ³ Chang Gung Memorial Hospital, Taiwan		

Oct. 29 (Tuesday)

S2-2	Polymer Structure, Surface and Interface II	S2-3	Polymer Structure, Surface and Interface III 13:30-15:25	
	10:00-11:35			
Chair	Hiroshi Jinnai Tohoku University, Japan Teruaki Hayakawa Tokyo Institute of Technology, Japan	Chair	Hsien-Yeh Chen National Taiwan University, Taiwan Seokhoon Ahn Korea Institute of Science and Technology, Korea	
10:00-10:25	[Invited] Dynamical Characterization of Organic-Inorganic Interface in a Nano- Composite Using Electron Microscopy Hiroshi Jinnai Tohoku University, Japan	13:30-13:55	[Invited] Applications of Nanomaterials through Controlling Interface Structures with Polymers Seokhoon Ahn Korea Institue of Science and Technology, Korea	
10:25-10:50	[Invited] Chemically-Tailored Block Copolymers for Domain Orientation and Morphology Control in Thin Films Teruaki Hayakawa, Yasunari Yoshimura, Ryuichi Nakatani, Alvin Chandra, Kevin Wylie, Seina Yamazaki, Yuta Nabae Tokyo Institute of Technology, Japan	13:55-14:20	[Invited] Control of the Electron-Transport Layer Interfaces in Phosphorescent Organic Light-Emitting Diodes (Pholeds) by Orthogonal Solvent-Processing Taeshik Earmme Hongik University, Korea	
10:50-11:15	[Invited] Fabrication of Sub-3nm Feature Size Based on Block Copolymer Self-Assembly Jin Kon Kim, Avnish Kumar Mishra, Jonghean Kwak, Eunseol Kim, Jaeyong Lee	14:20-14:45	[Invited] The Origin of Memory Effects in the Crystallization of Polyamides: Role of Hydrogen Bonding Xinran Liu, Xia Dong, Dujin Wang Chinese Academy of Science, China	
11:15-11:35	Pohang University of Science and Technology, Korea Upper Critical Solution Temperature (UCST) Nanogel Shin-ichi Yusa ¹ , Maho Ohshio ¹ , Kazuhiko Ishihara ² , Atsushi Maruyama ³ , Naohiko Shimada ³ ¹ University of Hyogo, Japan / ² The University of Tokyo, Japan / ³ Tokyo Institute of Technology, Japan	14:45-15:05	Vapor Deposition to Construct Reactive Polymer Coatings, Devices, and 3D Bulk Materials Hsien-Yeh Chen National Taiwan University, Taiwan	
		15:05-15:25	Antifouling Poly(3,4-Ethylenedioxythiophene) Thin Film Jhih-Guang Wu, Yue Chen, Shyh-Chyang Luo National Taiwan University, Taiwan	

Oct. 29 (Tuesday)

S6-1	Polymer Engineering and Processing I	S6-2	Polymer Engineering and Processing II
	10:00-11:50		13:30-15:00
Chair	Hiroshi Ito Yamagata University, Japan Syang-Peng Rwei	Chair	Dong Gi Seong Pusan National University, Korea Gan-Ji Zhong
	National Taipei University of Technology,		Sichuan University, China
	Taiwan		
10:00-10:25	[Invited] Novel Fabrication of Tough Polymer Blends Obtained by Special Kneading Processing	13:30-13:5	[Invited] Process for Mass Production of Carbon Fiber Reinforced Composites
	Hiroshi Ito, Akira Ishigami, Shotaro Nishituji,		Dong Gi Seong
	Takashi Kurose	12.55 14.20	Pusan National University, Korea [Invited] Formation and Manipulation of
10:25-10:50	Yamagata University, Japan [Invited] Synthesis and Characterization of	13:55-14:20	Hierarchically Oriented Structure during Polymer Processing
	Low Melting Point Bio-Polyamides with Hot Melt Adhesive Properties		Gan-Ji Zhong, Jia-Zhuang Xu, Zhong-Ming Li
			Sichuan University, China
	Syang-Peng Rwei National Taipei University of Technology, Taiwan	14:20-14:40	• • • • • • • • • • • • • • • • • • • •
10:50-11:10	Study on the Difference of Viscoelastic		a Co-Rotating Twin Screw Kneading Element
	Behavior between General and Fiber Reinforced Thermoplastics in Compression		Chun-Liang Tan, Shiu-Wu Chau National Taiwan University, Taiwan
		14:40-15:00	
	Molding System Chao-Tsai Huang ¹ , Po-Yi Lee ¹ , Ling-Jue Chen ¹ , Chih-Wei Wang ² , David Hsu ² , Rong-Yeu Chang ²		(CNC/Ag/Alg) Bionanocomposite Films: Potential Food Packaging Materials with Antimicrobial Properties
	¹ Tamkang University, Taiwan / ² CoreTech System (Moldex3D) Co., Ltd., Taiwan		Mithilesh Yadav ¹ , Fang-Chyou Chiu ^{1,2} ¹ Chang Gung University, Taiwan / ² Chang Gung Memorial Hospital, Taiwan
11:10-11:30	Effects of Fabrication Methods on the Strain- Dependent Physical Properties of Eco- Friendly Fluorescent Polyfluorene/Poly(Butylene Succinate) Blends		
	Hui-Ching Hsieh ¹ , Nathan Wu ¹ , Tsung-Han Chuang ¹ , Wen-Ya Lee ² , Jung-Yao Chen ³ , Wen-Chang Chen ¹		
	¹ National Taiwan University, Taiwan / ² National Taipei University of Technology, Taiwan / ³ National Chung Cheng University, Taiwan		
11:30-11:50	Study of Carbon Nanofiller-Filled Poly(vinylidene fluoride)/High Density Polyethylene Blend-Based Nanocomposites		
	Kartik Behera ¹ , Fang-Chyou Chiu ^{1,2}		
	¹ Chang Gung University, Taiwan / ² Chang Gung Memorial Hospital, Taiwan		

Oct. 29 (Tuesday)

S4-2	Polymers for Optoelectronics	S4-3	Polymers for Optoelectronics
	and Energy II		and Energy III
	10:00-11:55		13:30-15:20
Chair	Wei-Fang Su National Taiwan University, Taiwan Itaru Osaka Hiroshima University, Japan	Chair	Kilwon Cho Pohang University of Science and Technology, Korea Tzung-Fang Guo
			National Cheng Kung University, Taiwan
10:00-10:25	[Invited] Polythiophenes for Solar-Driven Water Splitting	13:30-13:55	[Invited] Molecular Orientation Dependent Photon Harvesting and Exciton Dissociation in
	Kouki Oka, Bjorn Winther-Jensen, Hiroyuki Nishide		Organic Solar Cells
	Waseda Univesity, Japan		Kilwon Cho
10:25-10:50	[Invited] π-Conjugated Polymers Based on		Pohang University of Science and Technology, Korea
	Fused Heteroaromatics for High-Performance Organic Photovoltaics	13:55-14:20	[Invited] Single-Component Polymer Solar Cells Derived from a Fully Conjugated Donor-
	Itaru Osaka		Acceptor Block Copolymer Dong Hoon Choi, Chang Geun Park, Su Hong Park,
	Hiroshima University, Japan		Min Ju Cho
10:50-11:15	[Invited] High Crystalline Isoindigo - Oligothiophene Alternating Copolymer for Solar Cell		Korea University, Korea
		14:20-14:40	Magnetic Field Effect: A Deep Insight into
	Wei-Fang Su		Polymers
	National Taiwan University, Taiwan		Shi-Hong Luo, Nidya Chitraningrum, Surojit Saha, Tzung-Fang Guo
11:15-11:35	Near-Infrared Absorbing Acceptor for Realize		National Cheng Kung University, Taiwan
	High-Performance Ternary and Semi- Transparent Colorful Polymer Solar Cells	14:40-15:00	Side-Chain Engineering of Biaxially-Extended
	Chih-Ping Chen ¹ , Chun-Kai Wang ² , Bing-Huang Jiang ² , Jong-Hong Lu ¹ , Ru-Jong Jeng ² , Yu-Wei Lu ¹ , Ken-Tsung Wong ²		Conjugated Polymers: Revealing the Role of Side-Chain Coplanarity on Polymer's Properties
	¹ Ming Chi University of Technology, Taiwan /		Po-Chen Lin, Yu-Tai Wong, Chu-Chen Chueh
	² National Taiwan University, Taiwan		National Taiwan University, Taiwan
11:35-11:55	Enhanced Photovoltaic Performance Lead- Reduced Perovskite Solar Cells by Polymer	15:00-15:20	Conjugated Covalent Organic Frameworks and Application in Energy Conversion
	Additives		Hui Liu, Qingyan Pan, Fan Hu, Yingjie Zhao
	Yin-Hsuan Chang, Yi-Ying Li, Shun-Hsiang Chan, Ming-Chung Wu		Qingdao University of Science and Technology, China
	Chang Gung University, Taiwan		

Oct. 30 (Wednesday)

Convention Hall

S1-4	Polymer Synthesis and Characterization IV	S1-5	Polymer Synthesis and Characterization V
	08:30-10:25		10:40-12:15
Chair	Changle Chen University of Science and Technology of China, China	Chair	Chi-How Peng National Tsing Hua University, Taiwan Pranee Phinyocheep
	Tsuyoshi Michinobu Tokyo Institute of Technology, Japan		Mahidol University, Thailand
08:30-08:55	[Invited] Metal-Free Click Chemistry for the Synthesis of Functional Polymers Tsuyoshi Michinobu	10:40-11:05	[Invited] Block Copolymers of Less Activated Monomer and More Activated Monomer Synthesized by the Hybridization of CMRP and ATRP
08:55-09:20	Tokyo Institute of Technology, Japan [Invited] Catalytic Synthesis of Polar Functionalized Polyolefins		Ya-Wen Tsai, Fu-Sheng Wang, Meng-Qin Xie, Chi-How Peng
	Changle Chen	11:05-11:30	National Tsing Hua University, Taiwan
	University of Science and Technology of China, China		[Invited] Synthesis of Crosslinked Polymeric Ligand Applied for Atom Transfer Radical
09:20-09:40	Poly(alpha-olefin) Molecular Bottlebrushes		Polymerization
	Andy Haishung Tsou		Pranee Phinyocheep, Oaranan Jantanit, Jirawat Chatanan, Pennapa Tungjiratthitikan
00.40.40.00	Daxin Materials, Taiwan		Mahidol University, Thailand
09:40-10:00	Localized Co-Delivery of Bevacizumab and Doxorubicin by Thermo-Sensitive Hydrogel for Normalization of Tumor Vasculature and	11:30-11:55	[Invited] Polymerization of Amino Acids: Challenge and Strategy
	to Enhance the Efficacy of Chemotherapy		Youhua Tao
	Haile Fentahun Darge, Hsieh-Chih Tsai		Chinese Academy of Sciences, China
	National Taiwan University of Science and Technology, Taiwan	11:55-12:15	Tacticity and Chirality Effects in Molecular Self-Assembly of Polymers
10:00-10:25	[Invited] Ultra-High-Molecular-Weight Polymers Produced by the "Immortal" Phosphine-Based "Frustrated Lewis Pair"		Yu-Chuan Sung ¹ , Jung-Tzu Hsu ¹ , Jing-Yu Lee ¹ , Rong-Ming Ho ² , Jing-Cherng Tsai ¹
	Yun Bai, Qianyi Wang, Wuchao Zhao, Huaiyu Wang, Jianghua He, Yuetao Zhang		¹ National Chung Cheng University, Taiwan / ² National Tsing Hua University, Taiwan
	Jilin University, China		

Oct. 30 (Wednesday) Convention Hall

S1-6	Polymer Synthesis and		
	Characterization VI		
	13:40-15:25		
Chair	Toshikazu Takata Tokyo Institute of Technology, Japan Chien-Chieh Hu National Taiwan University of Science and Technology, Taiwan		
13:40-14:05	[Invited] Stimuli-Responsive Polymers Driven by Reversible Polymer Topology Transformation		
	Tokyo Institute of Technology, Japan		
14:05-14:25	The Effect of Chain Rigidity of Polymeric Precursor on the Small Molecular Transport in the Carbon Molecular Sieve Membrane		
	Chien-Chieh Hu ^{1,2} , Kueir-Rarn Lee ² , Juin-Yih Lai ^{1,2}		
	¹ National Taiwan University of Science and Technology, Taiwan / ² Chung Yuan Christian University, Taiwan		
14:25-14:45	Synthesis and Properties of Biodegradable Semi-IPN Hydrogels Based on Natural Polymers for Agriculture Applications		
	Warunee Tanan ¹ , Jate Panichpakdee ² , Sayant Saengsuwan ¹		
	¹ Ubon Ratchathani University, Thailand / ² Thailand Institute of Scientific and Technological Research, Thailand		
14:45-15:05	Preparation and Properties of Glycidyl Methacrylate-Modified Natural Rubber/Starch-Grafted-Acrylamide Based Hydrogels		
	Sanit Panpinit, Sayant Saengsuwan		
	Ubon Ratchathani University, Thailand		
15:05-15:25	Preparation of Diselenide Linked (mPEG- PLGA)-Se ₂ Micelles: For Redox-Responsive and Controlled Release of Doxorubicin in Cancer Cells		
	Yihenew Simegniew Birhan, Hsieh Chih Tsai		
	National Taiwan University of Science and Technology, Taiwan		

S3-4	Functional and Self-Assembled Materials IV	S3-5	Functional and Self-Assembled Materials V
	08:30-10:20		10:40-12:10
Chair	Chih-Chia Cheng National Taiwan University of Science and Technology, Taiwan Toshifumi Satoh Hokkaido University, Japan	Chair	Yeo-Wan Chiang National Sun Yat-sen University, Taiwan Redouane Borsali University Grenoble Alpes, France
08:30-08:55	[Invited] Downsizing Feature of Microphase- Separated Structures via Intramolecular Crosslinking of Block Copolymer Kodai Watanabe, Takuya Isono, Toshifumi Satoh Hokkaido University, Japan	10:40-11:09	[Invited] Self-Assembly of Carbohydrate Block Copolymers: Nanoparticles and Highly Nanostructured Thin Films Redouane Borsali University Grenoble Alpes, France
08:55-09:20	[Invited] High Performance Polymer Materials: Synthesis, Optoelectric and Solar Energy Applications	11:05-11:30	[Invited] Bioinspired Block Copolymer Photonic Crystals Yeo-Wan Chiang
	Der-Jang Liaw National Taiwan University of Science and Technology, Taiwan	11:30-11:50	National Sun Yat-sen University, Taiwan Generating Reactive Functional Groups from Mechanochemically Responsive Polymers
09:20-09:40	Supramolecular Polymers: from Self- Assembly to Functional Materials		Chia-Chih Chang National Chiao Tung University, Taiwan
	Chih-Chia Cheng National Taiwan University of Science and Technology, Taiwan	11:50-12:10	Development of Tough PAMPS/P(DMAA-co- AA) Double Network Hydrogel with Mechanochromic Sensitivity by Introducing
09:40-10:00	Network Structures in Non-Frustrated ABCBA Linear Pentablock Terpolymers		Rhodamine Moiety
	Yun-Tse Lo ¹ , Chin-Hung Chang ¹ , Ching-I Huang ¹ , An-Chang Shi ²		Che-Hao Wu ¹ , Cheng-Wei Tu ² , Chih-Feng Huang ¹ ¹ National Chung Hsing University, Taiwan / ² Industrial Technology Research Institute, Taiwan
	¹ National Taiwan University, Taiwan / ² McMaster University, Canada		3,
10:00-10:20	Precise Synthesis of PMAPOSS – Living Stereochemistry Control		
	Sung-Yu Tsai ¹ , Satosi Kuretani ² , Kei Manabe ² , Tomoyasu Hirai ² , Teruaki Hayakawa ³ , Chien-Lung Wang ¹		
	¹ National Chiao Tung University, Taiwan / ² Osaka Institute of Technology, Japan / ³ Tokyo Institute of Technology, Japan		

S3-6	Functional and Self-Assembled Materials VI		
	13:40-15:05		
Chair	Che-Yi Chu National Chung Hsing University, Taiwan S. Ramakrishnan		
	Indian Institute of Science, India		
13:40-14:05	[Invited] Functional Hyperbranched Polymers		
	Suresh Kumar Perala, Arun Gayen, S. Ramakrishnan		
	Indian Institute of Science, India		
14:05-14:25	Adhesive Complex Hydrogels from Tannic Acid and Several Biocompatible Polymers		
	Ji Heung Kim		
	Sungkyunkwan University, Korea		
14:25-14:45	Dispersion Behavior of Magnetic Nanoparticle/Conducting Polymer Nanocomposites		
	Che-Yi Chu, Meng-Zhe Chen		
	National Chung Hsing University, Taiwan		
14:45-15:05	Synthesis of Polymeric Nanoparticles with Reversible Disulfide Bond and Aggregation- Induced Emission Properties via Passerini Reaction		
	Li-Chieh Chou, Chih-Feng Huang		
	National Chung Hsing University, Taiwan		

Oct. 30 (Wednesday)

Room 103

S7-4	Polymers for Biomaterials and Medicine IV	S7-5	Polymers for Biomaterials and Medicine V
	08:30-10:20		10:40-11:50
Chair	Ayse Zehra Aroguz Istanbul University-Cerrahpasa, Turkey	Chair	Jae Hyung Park Sungkyunkwan University, Korea
	Hsiu-Wen Chien National Kaohsiung University of Science and Technology, Taiwan		Rusli Daik Univesiti Kebangsaan Malaysia, Malaysia
08:30-08:55	[Invited] Stimuli-Responsive Biomedical Hydrogels	10:40-11:05	[Invited] Stimuli-Responsive Polymer Nanomedicines for Reactive Oxygen Species-
	Yanyu Yang, Yazhong Bu, Xing Wang, Decheng Wu		Mediated Approach to Treat Cancer
	Chinese Academy of Sciences, China		Jae Hyung Park
08:55-09:20	[Invited] Polymeric Scaffolds for Tissue	11:05-11:30	Sungkyunkwan University, Korea
	Engineering Applications		[Invited] Anti-Microbial Behaviour of Polymeric Biocides
	Ayse Zehra Aroguz		Rusli Daik, Norhafizah Ahmad Shayuti,
09:20-09:40	Istanbul University-Cerrahpasa, Turkey		Nur Hazlin Hazrin Chong, Noraziah Mohamad Zin
09.20-09.40	In situ Formation of Silver Nanoparticles- Contained Gelatin-PEG-Dopamine Hydrogel		Universiti Kebangsaan Malaysia, Malaysia
	via Enzymatic Crosslinking Reaction for	11:30-11:50	Coaxial Electrospinning Fabrication and
	Improved Antibacterial Activity		Characterization of Core-Shell Au@Silicate Nanoplatelets/Poly(Vinyl Alcohol) Nanofibe as High-Efficiency Dynamic SERS Substrates
	Ngoc Thi Pham, Jeng-Shiung Jan		
09:40-10:00	National Cheng Kung University, Taiwan Bio-Inspired Polydopamine Coatings		Yen-Chen Lee, Chun Hsiao, Yu-Sheng Chen,
03.40-10.00	Containing with Dual Composite Biocides		Chih-Wei Chiu
	Hsiu-Wen Chien, Ting-Hsiang Chiu, Yu-Ling Lee		National Taiwan University of Science and Technology, Taiwan
	National Kaohsiung University of Science and Technology, Taiwan		recimology, lawan
10:00-10:20	Combined Hydroxyl and Amide Functional Group Hydrogel on the Resistance of Plasma Protein Adsorption and Human Platelet Adhesion		
	Cheng-Chen Yang, Yung Chang		

Chung Yuan Christian University, Taiwan

S7-6	Polymers for Biomaterials and Medicine VI 13:40-15:25		
Chair	Jane Wang National Tsing Hua University, Taiwan Yury Shchipunov Russian Academy of Sciences, Russia		
13:40-14:05	[Invited] Cellulose Functionalization: New Approaches - Novel Materials		
	Irina V. Postnova ^{1,2} , Oleg N. Khlebnikov ¹ , Sergei A. Sarin ¹ , Yury A. Shchipunov ¹		
	¹ Russian Academy of Sciences, Russia / ² Far Eastern Federal University, Russia		
14:05-14:25	The Investigation of the Drug Embedding and Releasing Performance in Glycerol-Based, Biodegradable Polymers Using Gold Nanoparticles		
	Chia-Teng Chang, Bei-Chen Soo, Yen-Jung Chen, Yi-Kong Hsieh, Dehui Wan, Jane Wang		
	National Tsing Hua University, Taiwan		
14:25-14:45	Fabrication of HEMA Modified Polyampholyte Hydrogels for 3D Artificial Tissues		
	Chun-Yu Kao¹, Xiaohua Gong², Jui-Hsiang Liu¹, Chun-Yen Liu¹		
	¹ National Cheng Kung University, Taiwan / ² UC Berkeley, USA		
14:45-15:05	Ibuprofen Loaded Injectable Hydrogel Grafted to Heparin for Inhibiting Excessive Inflammation and Promoting Wound Healing		
	Abegaz Tizazu Andrgie, Hsieh-Chih Tsai		
	National Taiwan University of Science and Technology, Taiwan		
15:05-15:25	PHB/PBL-PEG Electrospun Fibrous Membranes for Drug Delivery		
	Chieh-Yu Lin ¹ , Toshifumi Satoh ² , Yi-Ming Sun ^{1,3}		
	¹ Yuan Ze University, Taiwan / ² Hokkaido University, Japan / ³ Chung Yuan University, Taiwan		

S1-7	Polymer Synthesis and Characterization VII	S2-4	Polymer Structure, Surface and Interface IV
	08:30-10:15		10:40-12:15
Chair	Tomoya Higashihara Yamagata University, Japan Sheng-Sheng Yu National Cheng Kung University, Taiwan	Chair	Wenke Zhang Jilin University, China Ya-Sen Sun National Central University, Taiwan
08:30-08:55	[Invited] Green Synthesis of Semiconducting Polymers Based on Chain-Growth Condensation Polymerization	10:40-11:05	[Invited] Single-Molecule Study on the Force- Induced Melting of Polymer Single Crystals Wenke Zhang, Wei Feng, Yu Song, Ziwen Ma
	Tomoya Higashihara		Jilin University, China
08:55-09:15	Yamagata University, Japan Single-Junction Organic Solar Cell Containing	11:05-11:30	[Invited] Copolymer-Templated Carbon Nanostructures for Molecular Sensing
	Fluorinated Heptacyclic Carbazole-Based Ladder-Type Acceptor Affords over 13% Efficiency with Solution-Processed Cross- Linkable Fullerene as Interfacial Layer		Ya-Sen Sun, Chien-Fu Lin, Shih-Ting Luo, Ching-Yuan Su
			National Central University, Taiwan
	Tsung-Wei Chen, Chain-Shu Hsu	11:30-11:50	Phase Morphology Development in Poly(P-
	National Chiao Tung University, Taiwan		Phenylene Ether) and Polyethylene Blends
09:15-09:35	An Engineering Approach to Find the Possible Path to Polypeptides in the Prebiotic World		Andy Haishung Tsou ¹ , Jun Wang ² , Basil D. Favis ³ ¹ Daxin Materials, Taiwan / ² University of Toronto,
	Sheng-Sheng Yu, Chen-Yu Chien, Chun-Wei Lai		Canada / ³Ecole Polytechnique de Montreal, Canada
	National Cheng Kung University, Taiwan	11:50-12:15	[Invited] TBD
09:35-09:55	Interlayer Modification Using Self-Assembly		Mingjie Liu
	Amphiphilic and Eco-Friendly Polymers in Non-Fullerene Based Organic Solar Cells		Beihang University, China
	Yu-An Su, Po-Chen Lin, Chang-En Tsai, Chu-Chen Chueh		
	National Taiwan University, Taiwan		
09:55-10:15	Hydroxide Exchange Membranes Containing Dense Quaternary Ammonium Cations and Their Application for Fuel Cells		
	Ping-Yen Chen ¹ , Jyh-Chien Chen ¹ , Kuei-Hsien Chen ^{2,3}		
	¹ National Taiwan University of Science and Technology, Taiwan / ² National Taiwan University, Taiwan / ³ Academia Sinica, Taiwan		

Polymer Engineering and Processing III		
13:40-14:45		
Chi-Ching Kuo National Taipei University of Technology, Taiwan		
Chao-Tsai Huang Tamkang University, Taiwan		
.aag Sinversity, ranvair		
Multifunctional Electrospun Nanofiber Chemosensor and Light-Emitting Diodes Based on Perovskite-Polymer Nanofiber Membranes		
Chi-Ching Kuo, Fang-Cheng Liang, Dai-Hua Jiang		
National Taipei University of Technology, Taiwan		
Surface Transferability of Liquid Silicone Rubber Molded by Injection Molding Process		
Koki Hasegawa, Akira Ishigami, Akihiko Nemoto, Takashi Kurose, Hiroshi Ito		
Yamagata University, Japan		
Study on the Deviation between Numerical Simulation and Experiments and Its Influence in Injection Molding Using Design of Experiments (DOE) Method		
Po-Hsuan Chen ¹ , Rui-Ting Xu ¹ , Chao-Tsai Huang ¹ , Wen-Ren Jong ² , Rong-Yeu Chang ³		
¹ Tamkang University, Taiwan / ² Chung Yung Christian University, Taiwan / ³ CoreTech System (Moldex3D) Co., Ltd., Taiwan		

Oct. 30 (Wednesday)

National Taipei University of Technology, Taiwan

S5-2	Organic/Inorganic Hybrids and Nanocomposites II	S5-3	Organic/Inorganic Hybrids and Nanocomposites III
	08:30-10:20		10:40-12:30
Chair	Xiao Matthew Hu Nanyang Technological University, Singapore Feng-Yu Tsai National Taiwan University, Taiwan	Chair	Toyoko Imae National Taiwan University of Science and Technology, Taiwan Yaozu Liao Donghua University, China
08:30-08:55	[Invited] Bioinspired Toughening of Ultra- Crosslinked Hybrid Polymer and Geopolymer Network Xiao Matthew Hu Nanyang Technological University, Singapore	10:40-11:05	[Invited] Characteristics of Cellulose Nanofiber-Based Nanocomposites Toyoko Imae National Taiwan University of Science and Technology, Taiwan
08:55-09:15	Metal Oxide and Polymer Superlattice Films by Atomic and Molecular Layer Deposition	11:05-11:30	[Invited] High Surface Area Conjugated Polymers: Rational Design and Functions
	Bo-Wei Shi, Yi-Yang Wei, Ming-Hung Tseng, Feng-Yu Tsai		Yaozu Liao, Zhonghua Cheng, Haige Wang, Jiahuan Li Donqhua University, China
	National Taiwan University, Taiwan	11:30-11:50	Fabrication of Carbon
09:15-09:35	Synthesis and Characterization of Star Block Copolymers by the Combinations of ATRP, ROP, and Click Reaction for the Preaparations of Epoxy Nanocomposites Yi-Fang Wu, Chih-Feng Huang		Nanotubes/Photocurable Resin Nanocomposites with 3D Printing Technology for Capacitive Sensor Application Kai-Chun Chuang, Peng-Ha Huang, Chen-Yang Huang, Chih-Wei Chiu
	National Chung Hsing University, Taiwan		National Taiwan University of Science and Technology, Taiwan
09:35-09:55	Polybenzoxazine Functionalised MWCNT Based Nanocomposite Coatings for Anticorrosion Application Susan Zachariah, Ying-Ling Liu	11:50-12:10	High Oxygen Sensitivity and Long-Term Stability of PtTFPP/Carbon Black/Polystyrene Composite Films to Optical Oxygen Sensor
	National Tsing Hua University, Taiwan		Hsuan-Yu Lin, Kuei-Feng Cheng,
09:55-10:20	[Invited] Green Electronics Based on ThermalSensitive Fluids		Jimmy Chi-Min Lee, Chih-Wei Chiu National Taiwan University of Science and Technology, Taiwan
	Yapei Wang Renmin University of China, China	12:10-12:30	Novel Stretchable Thermochromic Transparent Heaters Designed for Smart Window Defroster Applications by Spray Coating Silver Nanowires Loganathan Veeramuthu, Ching-Yi Tsai, Fang-Cheng Liang, Manikandan Venkatesan,

S5-4	Organic/Inorganic Hybrids and		
	Nanocomposites IV		
	13:40-15:25		
Chair	Chang-Mou Wu		
	National Taiwan University of Science and		
	Technology, Taiwan Chu-Chen Chueh		
	National Taiwan University, Taiwan		
	,		
13:40-14:05	[Invited] Self-Floating Tungsten Bronze/Recycled Cellulose Triacetate Porous Fiber Membranes for Efficient Light-Driven Interfacial Water		
	Chang-Mou Wu, Saba Naseem, Tolesa Fita Chala		
	National Taiwan University of Science and Technology, Taiwan		
14:05-14:25	Development of Novel Self-Healable Organic/Inorganic Hybrid Materials via Diels- Alder Click Chemistry		
	Yi-Huan Lee ¹ , Yan-Nian Zhuang ¹ , Hsin-Ta Wang ¹ , Wei-Jen Chang ² , Tun-Fun Way ¹ , Syang-Peng Rwei ¹		
	¹ National Taipei University of Technology, Taiwan / ² Taipei Medical University, Taipei, Taiwan		
14:25-14:45	Exploration of 2D Perovskite and Rational Interface Engineering in Organic-Inorganic Hybrid Perovskite Solar Cells		
	Chu-Chen Chueh		
	National Taiwan University, Taiwan		
14:45-15:05	Evaluation of Wear Resistance and Engineering Properties of UHMWPE/Graphene Composites Prepared via a Novel Kneading Process		
	Cheng-Ying Liu, Akira Ishigami, Takashi Kurose, Hiroshi Ito		
	Yamagata University, Japan		
15:05-15:25	Entanglement Mediated Structure Formation and Dynamics of a Polymer/Nanoparticle Hybrid		
	Bradley Mansel ¹ , Chun-Yu Chen ² , Jhih-Min Lin ² , Yu-Shan Huang ² , Yu-Chiao Lin ³ , Hsin-Lung Chen ¹		
	¹ National Tsing Hua University, Taiwan / ² National Synchrotron Radiation Research Center, Taiwan / ³ Industrial Technology Research Institute, Taiwan		

Oct. 30 (Wednesday)

S4-4	Polymers for Optoelectronics and Energy IV	S4-5	Polymers for Optoelectronics and Energy V	
	08:30-10:20		10:40-12:25	
Chair	Joon Hak Oh Seoul National University, Korea Jianguo Mei Purdue University, USA	Chair	Masaki Horie National Tsing Hua University, Taiwan Ho-Hsiu Chou National Tsing Hua University, Taiwan	
08:30-08:55	[Invited] Flexible FET-Type Sensors Based on Nanoscopically Engineered Organic Semiconducting Materials Joon Hak Oh Seoul National University, Korea	10:40-11:05	[Invited] Non-Covalently Fused-Ring Acceptors for High Performance Organic Solar Cells Zhishan Bo, Yahui Liu, Xinjun Xu Beijing Normal University, China	
08:55-09:20	[Invited] High Temperature Organic Semiconductors and Electronics Jianguo Mei Purdue University, USA	11:05-11:25	Conjugated Copolymers of Poly(Arylenevinylene)s Synthesized by Ring-Opening Metathesis Polymerization Masaki Horie	
09:20-09:40	,	Alkaline-Developable Positive-Type Photosensitive Polyimide with High Mechanical Strength and High Resolution Based on Chain Extendable Poly(Amic Acid), Thermally Degradable Cross-Linker and Photoacid Generator		
09:40-10:00	From Functional Polymer to Intrinsically Stretchable and Healable Transistor Devices		Yao-Ming Yeh ¹ , Mitsuru Ueda ² , Chain-Shu Hsu ¹ ¹ National Chiao Tung University, Taiwan / ² Tokyo Institute of Technology, Japan	
10:00-10:20	Ching-Heng Chuang ^{1,2} , Livy Laysandra ¹ , Toshifumi Satoh ² , Yu-Cheng Chiu ¹ ¹ National Taiwan University of Science and Technology, Taiwan / ² Hokkaido University, Japan Road to Morphological Control for Organic	11:45-12:05	Design and Synthesis of Conjugated Polymers for Nature-Inspired Applications Ho-Hsiu Chou National Tsing Hua University, Taiwan	
10.00-10:20	Semiconductors Yu-Ying Lai, Hau-Ren Yang, Chun-Wei Pai, Hao-Ting Lee, Vi-Hsiang Huang National Taiwan University, Taiwan	12:05-12:25	Porous Membrane of PEG Modified PVB Based Gel Polymer Electrolytes for Lithium Ion Batteries Chi-Yang Tsai ¹ , Kang-Jen Peng ¹ , Cheng-Fan Wang ² , Ying-Ling Liu ¹	
			¹ National Tsing Hua University, Taiwan / ² Chang Chun Petrochemical Co Ltd (Miaoli Plant), Taiwan	

Oct. 30 (Wednesday) Room 203

S4-6	Polymers for Optoelectronics and Energy VI
	13:40-15:05
Chair	Chi-Yang Chao
	National Taiwan University, Taiwan
	Chen-Tsyr Lo
	National Sun Yat-sen University, Taiwan

13:40-14:05 [Invited] Single-Ion Conducting Triblock Copolymer for Stable Lithium Electrodeposition Chi-Yang Chao¹, Kun-Lin Liu¹, Jason Fang², Nae-Lih Wu¹ ¹National Taiwan University, Taiwan /²Industrial Technology Research Institute, Taiwan 14:05-14:25 Design of Ion-Conductive Core-Shell Block-Copolymer Nanoparticles

Chen-Tsyr Lo¹, Yuta Isawa², Kazuhiro Nakabayashi², Hideharu Mori²

¹National Sun Yat-sen University, Taiwan /

²Yamagata University, Japan

14:25-14:45 Effect of Conjugated Rod/Coil Sequence on Morphology and Electronic Properties of Polythiophene Based Stretchable Block Copolymers

Yun-Chi Chiang¹, Saburo Kobayashi², Takuya Isono², Chien-Chung Shih¹, Tomoki Shingu², Chih-Chien Hung¹, Hui-Ching Hsieh¹, Shih-Huang Tung¹, Toshifumi Satoh², Wen-Chang Chen¹

¹National Taiwan University, Taiwan / ²Hokkaido University, Japan

14:45-15:05 Engineer Conjugated Polymers with Controlled Backbone Rigidity and Glass Transition Temperature for Deformable Electronics

Xiaodan Gu¹, Song Zhang¹, Luke Galuska¹, Simon Rondeau-Gagne²

 1 The University of Southern Mississippi, USA /

²University of Windsor, Canada