

## Poster Presentations: June 24, 17:00 - 19:00

No.	Authors	Affiliation	Title
<b>I. Novel Trends in Polymer Syntheses</b>			
P01	Yun-Jui He, Tsung-Han Tu, Ming-Kun Su, Chia-Wei Yang, Yi-Tsu Chan*	Department of Chemistry, National Taiwan University	Construction of Metallo-Supramolecular Rod-Coil Block Copolymers <i>via</i> a Self-Sorting Process
P02	<u>Takafumi Kawakami</u> , Shingo Ito, Kyoko Nozaki*	Department of Chemistry and Biotechnology, The University of Tokyo	Iron-Catalyzed Homo- and Copolymerization of Propylene
P03	<u>Zih-Syuan Liu</u> , Wei Peng, Chih-Feng Huang*	Department of Chemical Engineering, National Chung Hsing University	Chain-growth condensation polymerization to Synthesize Polybenzamide (PBA) and Introduce PBA into Polyimide
P04	<u>Jhen-Yan Gao</u> , Jin-Long Hong*	Department of Materials and Optoelectronic Science, National Sun Yat-Sen University	Amorphous and Crystalline Blends from Polytyrosine and Pyridine-Functionalized Anthracene: Hydrogen-Bond Interactions, Conformations, Intramolecular Charge Transfer and Aggregation-Induced Emission
P05	<u>Jyun-Ci Liao</u> , Ya-An Hsieh, Yu-Min Han, Chih-Feng Huang*	Department of Chemical Engineering, National Chung Hsing University	Synthesis of Mainchain-type Polyesters by Atom Transfer Radical Polyadditions
P06	<u>Cheng-Han Yang</u> , Po-Hung Wang, Chih-Feng Huang*	Department of Chemical Engineering, National Chung Hsing University	Preparation and Characterization of PMMA/TEMPO-oxidized Cellulose Nanocomposites
P07	<u>Chien Han Chen</u> , Ching Hsuan Lin,* Yu Chun Chou, Wei Feng Shiao, Meng Wei Wang	Department of Chemical Engineering, National Chung Hsing University	High Temperature, Flame-Retardant, and Transparent Epoxy Thermosets Prepared from an Acetovanillone-Based Hydroxyl Poly(Ether Sulfone) and Commercial Epoxy Resins
<b>II. Nano Space Organic/Inorganic Materials</b>			
P08	<u>Ching-Tun Wang</u> , <sup>a</sup> Ya-Sen Sun, <sup>a*</sup> Jiun-You Liou <sup>b</sup>	<sup>a</sup> Department of Chemical and Materials Engineering, National Central University  <sup>b</sup> Material and Chemical Research Laboratories, Industrial Technology Research Institute	Tuning Polymer-surface Chemistries and Interfacial Interactions with UV Irradiated Polystyrene Chains to Control Domain Orientations in Thin Films of PS- <i>b</i> -PMMA
P09	<u>Chien-Fu Lin</u> , Ya-Sen Sun*	Department of Chemical and Materials Engineering, National Central University	The Ability for Surface Enhance Raman Scattering of Nitrogen-Enriched Graphite Directly Fabricated from Nitrogen Contained Homopolymer

P10	<p>Wen-Hua Chen,<sup>a</sup> Chen-Yu Liao,<sup>a</sup> Yeo-Wan Chiang,<sup>b*</sup> Chih-Feng Huang<sup>a*</sup></p>	<p><sup>a</sup>Department of Chemical Engineering, National Chung Hsing University <sup>b</sup>Department of Materials and Optoelectronic Science, National Sun Yat-Sen University</p>	Competitive Hydrogen-Bonding-Induced Microphase Separation in Thermosets with Triblock Copolymer
P11	<p>Takashi Kitao,<sup>a</sup> Takashi Uemura,<sup>a,b*</sup> Susumu Kitagawa<sup>a,c</sup></p>	<p><sup>a</sup>Department of Synthetic Chemistry and Biological Chemistry, Kyoto University <sup>b</sup>JST-CREST <sup>c</sup>Institute for Integrated Cell-Material Sciences, Kyoto University</p>	Controlled Assembly Structure of Polythiophene in Coordination Nanospaces
P12	<p>Yung-Fu Wu*, Wei-Jie Huang, Chih-Jung Kang, Wen-Chien Chen</p>	Department of Chemical Engineering, Ming Chi University of Technology	Photoelectrochemical Hydrogen Generation By Using SiC/TiO <sub>2</sub> Film
<b>III. Structures and Properties of Sustainable Polymer Materials</b>			
P13	<p>Shih-Hung Huang,<sup>a</sup> Yeo-Wan Chiang,<sup>a*</sup> Yung-Cheng Mao,<sup>b</sup> Jing-Cherng Tsai<sup>b</sup></p>	<p><sup>a</sup>Department of Materials and Optoelectronic Science, National Sun Yat-Sen University <sup>b</sup>Department of Chemical Engineering, National Chung Cheng University</p>	Control of Nanostructural Dimension by Crystallization in a Double-Crystalline Syndiotactic Poly(4-methyl-1-pentene)-block-poly(L-lactide) Block Copolymer
P14	<p>Ruey-Chorng Lin, Mohamed Gamal Mohamed, Shiao-Wei Kuo*</p>	Department of Materials and Optoelectronic Science, National Sun Yat-Sen University	High-Performance Di-Functional Polybenzoxazines Containing Coumarin Groups Exhibiting Enhanced Thermal and Hydrophobic Surface Properties Through Photo- and Thermal-Polymerization Processes
P15	<p>Shih-Chi Tsai, Yung-Chih Lin, Shiao-Wei Kuo*</p>	Department of Materials and Optoelectronic Science, National Sun Yat-Sen University	Hydrogen Bonding Strength Effect on Self-Assembly Supramolecular Structures of Diblock Copolymer/Homopolymer Blends
P16	<p>Kota Nabeya,<sup>a</sup> Takahiro Muraoka,<sup>a,b</sup> Kazushi Kinbara<sup>a*</sup></p>	<p><sup>a</sup>School of Life Science and Technology, Tokyo Institute of Technology <sup>b</sup>Japan Science and Technology Agency, PRESTO</p>	Polymorphic Transition of Multi-Block Macrocycles
P17	<p>Pei-Yi Lin,<sup>a</sup> Yeong-Tarng Shieh,<sup>b</sup> Shiao-Wei Kuo<sup>a*</sup></p>	<p><sup>a</sup>Department of Materials and Optoelectronic Science, National Sun Yat-Sen University <sup>b</sup>Department of Chemical and Materials Engineering, National University of Kaohsiung</p>	CO <sub>2</sub> Responsiveness of Poly( <i>N</i> -isopropylacrylamide-co-acrylic acid)
P18	<p>I-Ming Lin,<sup>a</sup> Yeo-Wan Chiang,<sup>a*</sup> Wei-Tsung Chuang<sup>b*</sup></p>	<p><sup>a</sup>Department of Materials and Optoelectronic Science, National Sun Yat-sen University <sup>b</sup>National Synchrotron Radiation Research Center</p>	Twisting Phase from Achiral Hybrids of Poly(styrene)- <i>block</i> -poly(4-vinylpyridine)/Dendron Molecules

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#### IV. Organic Devices

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P19 Cheng-Yu Song,  
Jin-Long Hong\*  
Department of Materials and  
Optoelectronic Science, National  
Sun Yat-Sen University  
Rigid Jeffamine-Included Polyrotaxane as Hydrogen-Bond  
Template for Salicylideneazine with Aggregation-Enhanced  
Emission

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P20 Shih-Hao Wang,  
Rong-Ho Lee\*  
Department of Chemical  
Engineering, National Chung Hsing  
University  
Enhanced Photovoltaic Performance of P3HT:PC61BM based  
Inverted Polymer Solar Cells by Incorporating Graphene  
Nanosheet/AgNPs Nanohybrids

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P21 Hsiang-Yi Chu,  
Rong-Ho Lee\*  
Department of Chemical  
Engineering, National Chung Hsing  
University  
Photovoltaic Performance of Dye-sensitized Solar Cell with  
Transparent Macroporous Anti-ultraviolet Photonic Crystal  
Coatings

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#### V. Others (General Chemistry)

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P22 Taku Ogawa,<sup>a</sup>  
Nobuhiro Yanai,<sup>a,b</sup>  
Nobuo Kimizuka<sup>a\*</sup>  
<sup>a</sup>Department of Chemistry and  
Biochemistry, Graduate School of  
Engineering, Center for Molecular  
Systems (CMS), Kyushu University  
<sup>b</sup>PRESTO, JST  
Development of Photon Upconversion Systems Based on  
Triplet-Triplet Annihilation in Supramolecular Assemblies

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P23 Wen-Yu Ji,<sup>a</sup>  
Cheng-Wei Huang,<sup>b</sup>  
Shiao-Wei Kuo<sup>a\*</sup>  
<sup>a</sup>Department of Materials and  
Optoelectronic Science, National  
SunYat-Sen University  
<sup>b</sup>Institute of Applied Chemistry,  
National Chiao Tung University  
Water-soluble Fluorescent Nanoparticle Fabrication Based On  
Heterocomplementary Multiple Hydrogen Bonding  
Interactions

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P24 Po-Yu Tsai,  
Yeo-Wan Chiang\*  
Department of Materials and  
Optoelectronic Science, National  
Sun Yat-Sen University  
Crystallization Growth and Orientation among Hexagonally  
Packed Cylinders in Polystyene-*b*-poly(L-lactide) Block  
Copolymers

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P25 Kuo-Chih Hsu,<sup>a</sup>  
Wei-Chen Su,<sup>a</sup>  
Kuang-Kuo Wang,<sup>b</sup>  
Shiao-Wei Kuo<sup>a\*</sup>  
<sup>a</sup>Department of Materials  
Optoelectronic Science, National  
Sun Yat-Sen University,  
<sup>b</sup>Metal Industries Research And  
Development Centre  
Application of Polybenzoxazine Anti-Fingerprint Coating on  
Stainless Steel Plates

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P26 En-Li Lin,  
Yeo-Wan Chiang\*  
Department of Materials and  
Optoelectronic Science, National  
Sun Yat-Sen University  
Photopatterning Photonic Crystal Thin Films from Rapid Self-  
Assembly of Block Copolymers

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