

## 2025 Joint Symposium on Supramolecular and Sustainable Functional Materials

November 5(Wed.)–8(Sat.)

Venue: Alumni Service Center 3rd Floor, Jong Shyn Hall, NSYSU

November 5, 2025 (Wednesday)	
Welcome party (18:30 at German Kitchen 德藝小築)	
Hotel: Watermark Hotel-THE Harbour (碧港良居-THE Harbour)	

November 6, 2025 (Thursday)	
TW Time	Topic
08:30-08:55	Registration
(5 min)	Chairman: Pf. Chih-Feng HUANG
09:00-09:10	<b>Welcome speech</b> Prof. Shiao-Wei KUO (NSYSU, Taiwan) Prof. Masayuki TAKEUCHI (NIMS, Japan)
09:10-09:40	<b>Supramolecular Design of Conjugated Molecules and Polymers toward Functional Organic Materials</b> Prof. Masayuki TAKEUCHI / Research Center for Macromolecules and Biomaterials, National Institute for Materials Science (NIMS), Japan
09:40-10:10	<b>Structural Characterization and Rational Construction of Giant Metallo-Supramolecular Architectures</b> Prof. Yi-Tsu CHAN / Department of Chemistry, National Taiwan University (NTU), Taiwan
Coffee Break	
(5 min)	Chairman: Pf. Cheng-Liang LIU
10:30-11:00	<b>Electrochromic Smart Window Devices Using Metallosupramolecular Polymers with Light and Heat Control Functions</b> Prof. Masayoshi HIGUCHI / Electronic Functional Macromolecules Group, Research Center for Macromolecules and Biomaterials, National Institute for Materials Science (NIMS), Japan
11:00-11:30	<b>Fabrications of Tough and Functional Double Network Hydrogels</b> Prof. Chih-Feng HUANG / Department of Chemical Engineering, i-Center for Advanced Science and Technology (iCAST), National Chung Hsing University (NCHU), Taiwan
11:30-12:00	<b>Aromatic Micelles with Unique Host Functions</b> Prof. Michito YOSHIZAWA / Laboratory for Chemistry and Life Science, Institute of Integrated Research, Institute of Science Tokyo, Japan
Lunch Break	
(5 min)	Chairman: Pf. Yi-Tsu CHAN
13:30-14:00	<b>Construction Archimedean Tiling Patterns from Block Copolymers Mixtures and Covalent Organic Framework</b> Prof. Shiao-Wei KUO / Dean, College of Engineering, Chair Professor, Department of Materials and Optoelectronic Science, National Sun Yat-Sen University (NSYSU), Taiwan
14:00-14:30	<b>Molecular Assembly Control of Water-Insoluble Molecules at Solid-Liquid Interfaces</b> Assoc. Prof. Soichiro YOSHIMOTO / Department of 2D nanomaterials, Institute of Industrial Nanomaterials (IINa), Kumamoto University, Japan
14:30-15:00	<b>Organic/Hybrid Thermoelectric Materials and Devices</b> Prof. Cheng-Liang LIU / Department of Materials Science and Engineering, National Taiwan University, Taiwan
Coffee Break & Group photo	

<i>(5 min)</i>	<i>Chairman: Pf. Ho-Hsiu CHOU</i>
15:30-16:00	<b>Functionalized Fullerenes and Single-walled Carbon Nanotubes for Durable and Bifacial Organic and Perovskite Solar Cells</b> Prof. Yutaka MATSUO / Department of Chemical Systems Engineering, School of Engineering, Nagoya University, Japan
16:00-16:30	<b>Alternative Solvents for Efficient Polymer Synthesis and the Development of Functional Materials for 3D Printing</b> Assoc. Prof. Sheng-Sheng YU / Department of Chemical Engineering, National Cheng Kung University (NCKU), Taiwan
16:30-17:00	<b>Metal-Organic Frameworks for Advanced Polymers</b> Prof. Takashi UEMURA / School of Engineering, Department of Applied Chemistry, The University of Tokyo, Japan
17:00-17:30	<b>Development of Atomically Precise Copper Nanoclusters for Electrochemical CO<sub>2</sub> and NO<sub>2</sub> Reduction Reactions</b> Prof. Yuichi NEGISHI / Institute of Multidisciplinary Research for Advanced Materials, Tohoku University, Japan
18:30~	<b>Banquet</b>

November 7, 2025 (Friday)	
<i>TW Time</i>	<i>Topic</i>
<i>(5 min)</i>	<i>Chairman: Pf. Yeo-Wan CHIANG</i>
09:00-09:30	<b>Protein Crystal Engineering for Observing Invisible Structure</b> Prof. Takafumi UENO / School of Life Science and Technology, Research Center for Autonomous Systems Materialogy (ASMat), Institute of Science Tokyo, Japan
09:30-10:00	<b>Design and Synthesis of Semiconducting Polymers for Solar-driven Hydrogen Evolution from Water</b> Prof. Ho-Hsiu CHOU / Department of Chemical Engineering, National Tsing Hua University (NTHU), Taiwan
10:00-10:30	<b>Surface Patterning and Wettability Modulation of Thin Films Based on Hydrogen-Bonding Polymers</b> Assist. Prof. Cheng-Wei HUANG / Department of Chemical and Materials Engineering, National Kaohsiung University of Science and Technology, Taiwan
<i>Coffee Break</i>	
<i>(5 min)</i>	<i>Chairman: Pf. Cheng-Wei HUANG</i>
11:00-11:30	<b>Hollowing and Metallizing Bicontinuous Gyroid Structures</b> Prof. Yeo-Wan CHIANG / Chair, Department of Materials and Optoelectronic Science, National Sun Yat-Sen University (NSYSU), Taiwan
11:30-12:00	<b>Isolation and Characterization of Bionanoparticles derived from Petal Apoplastic Solutions</b> Prof. Hikaru TAKAYA / Department of Life Science, Faculty of Life and Environmental Science, Teikyo University of Science, Japan
13:00-18:00	<b>Discussion</b> <i>(Host: Prof. Shiao-Wei KUO)</i>
	<b>Closing Remarks</b> <i>(Host: Prof. Shiao-Wei KUO)</i>
18:30~	<b>Banquet</b>

November 8, 2025 (Saturday)	
Departure	