

# 3rd CU–OU Joint Symposium @ OU

**Date and Time** January, 15 (Wed), 9:30–18:00

**Place** The 1st floor meeting room, Division of Applied Chemistry(C4–111)

**Organizing Institution** Division of Applied Chemistry,  
Graduate School of Engineering,  
Osaka University, Japan

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9:30–9:40	<b>Opening Remarks (Vuhichai and Uyama)</b>	
9:40–10:00	<b>Hiroshi Uyama</b> <i>Fabrication of Functional Porous Polymeric Materials by Phase Separation</i>	1
10:00–10:20	<b>Vudhichai Parasuk</b> <i>Quantum Chemical Calculations for Designing of New Electron Donors For Propylene Polymerization</i>	3
10:20–10:40	<b>Masafumi Minoshima</b> <i>DEVELOPMENT OF FLUORESCENT PROBES FOR IN VIVO IMAGING OF OSTEOCLASTIC BONE RESORPTION</i>	5
10:40–11:00	<b>Break</b>	
11:00–11:20	<b>Chadin Kulsing</b> <i>APPLICATION OF CUP-SHAPED TRILACTAM FOR SELECTIVE EXTRACTION OF VOLATILE COMPOUNDS WITH ANALYSIS BY GAS CHROMATOGRAPHY-MASS SPECTROMETRY</i>	7
11:20–11:40	<b>Michiya Matsusaki</b> <i>Screening Blood Vessel Chemical Probes Using 3D-Blood Capillary Arrays Constructed by Collagen Microfibers</i>	9
11:40–12:00	<b>Panee Leeladee</b> <i>TUNING REACTIVITY OF COPPER COMPLEXES FOR APPLICATION IN CATALYSIS AND SENSING</i>	11
14:00–14:20	<b>Yumi Yakiyama</b> <i>Self-Assembled Networks Composed of Unique Shape Molecules</i>	13
14:20–14:40	<b>Voravee P. Hoven</b> <i>POST-POLYMERIZATION MODIFICATION OF A SINGLE PENTAFLUOROPHENYL ESTER-BEARING POLYMER: FROM NANOCARRIERS TO NANOREACTORS</i>	15
14:40–15:00	<b>Norimitsu Tohnai</b> <i>HIERARCHICAL CONSTRUCTION OF DIAMONDOID POROUS ORGANIC SALTS (d-POSs) AND THEIR VERSATILE FUNCTIONS</i>	17
15:00–15:20	<b>Wipark Anutrasakda</b> <i>SYNTHESIS AND CATALYTIC APPLICATIONS OF MESOPOROUS SILICA-BASED MATERIALS</i>	19

15:20–15:40	<b>Shigeyuki Masaoka</b> <i>DEVELOPMENT OF MOLECULAR MODULES FOR ARTIFICIAL PHOTOSYNTHESIS</i>	21
15:40–16:00	<b>Break</b>	
16:00–16:20	<b>Anawat Ajavakom</b> <i>Development of Synthetic Methodology of Novel Fluorescent Molecules and Their Applications for Chemosensors</i>	23
16:20–16:40	<b>Mamoru Fujitsuka</b> <i>ULTRAFAST LASER SPECTROSCOPIC STUDIES ON ELECTRON TRANSFER PROCESSES OF THE EXCITED RADICAL IONS</i>	25
16:40–17:00	<b>Tirayut Vilaivan</b> <i>PYRROLIDINYL PEPTIDE NUCLEIC ACID: SYNTHESIS, PROPERTIES AND APPLICATIONS</i>	27
17:00–17:20	<b>Mamoru Tobisu</b> <i>N-Heterocyclic Carbene-Catalyzed Concerted Nucleophilic Aromatic Substitution of Aryl Fluorides Bearing <math>\alpha, \beta</math>-Unsaturated Amides</i>	29
17:20–17:30	<b>Closing Remarks (Voravee and Matsusaki)</b>	