

OIST-OU Joint Symposium 2026

Joint Technical Program Schedule • June 25–26, 2026

Thursday, June 25 — Technical Sessions

Morning Session 1: Bio-Organic Chemistry & Glycobiology

Time Slot	Session Type	Speaker & Presentation Details
08:30	Registration	
08:55 ~ 09:00	Opening	
09:00 ~ 09:20	Invited Talk	Kosuke NAMBA (OU) Addressing Environmental Issues through Natural Product Synthesis
09:20 ~ 09:40	Invited Talk	Yoshiyuki MANABE (OU) Chemical Glycobiology Using Synthetic Glycans
09:40 ~ 10:00	Invited Talk	Fujie Tanaka (OIST) Asymmetric reactions catalyzed by amine derivatives
10:00 ~ 10:20	Invited Talk	Kazuya KABAYAMA (OU) Targeted Alpha Therapy: Development and Functional Evaluation of Radiopharmaceuticals

Morning Session 2: Materials Chemistry, Frameworks & Luminescence

Time Slot	Session Type	Speaker & Presentation Details
10:20 ~ 10:35	Coffee Break	Refreshments & Networking
10:35 ~ 10:55	Invited Talk	Ichiro HISAKI (OU) Photochemical and mechanical dynamic behaviors of hydrogen-bonded crystalline frameworks
10:55 ~ 11:15	Invited Talk	Ryota Kabe (OIST) Trap-Mediated Charge Recombination in Organic Luminescent Materials

Time Slot	Session Type	Speaker & Presentation Details
11:15 ~ 11:35	Invited Talk	Yumi YAKIYAMA (OU) Polarity Modification in Molecular Crystals composed of Unique-Shaped Organic Molecules
11:35 ~ 11:55	Invited Talk	Yohei TAKEDA (OU) Lighting Up Biology with Organic TADF Emitters

Afternoon Session 1: Catalysis & Synthetic Methodology

Time Slot	Session Type	Speaker & Presentation Details
11:55 ~ 13:30	Lunch Break	Midday Break & Open Discussion
13:30 ~ 13:50	Invited Talk	Eugene Khaskin (OIST) A deep dive into the acceptorless alcohol dehydrogenation, and ester hydrogenation chemistry
13:50 ~ 14:10	Invited Talk	Takuya KODAMA (OU) Photoinduced Disproportionation Enables Oxidative Addition of Aryl Halides at a Gallium(I) Center
14:10 ~ 14:30	Invited Talk	Satoshi Takebayashi (OIST) Molecular Structure of a Doubly Ring-Slipped Ruthenocene Intermediate
14:30 ~ 14:50	Invited Talk	Akimitsu Narita (OIST) Synthesis and Unique Properties of Nonplanar Nanographenes

Afternoon Session 2: Contributed Presentations

Time Slot	Session Type	Speaker & Presentation Details
14:50 ~ 15:05	Coffee Break	Refreshments Break
15:05 ~ 15:20	Contributed Talk	Tsukino Sato (OU) Chemical glycan engineering for elucidating cell surface glycan function
15:20 ~ 15:35	Contributed Talk	Jingyun Tan (OIST) Synthesis and Tunable Triple Emission of a Negatively and Helically Curved Nanographene

Time Slot	Session Type	Speaker & Presentation Details
15:35 ~ 15:50	Contributed Talk	Yuzuki Murata (OU) Construction of Porous Helical Single Crystals Exhibiting Dynamic Morphological Transformation
15:50 ~ 16:05	Contributed Talk	Ryosuke Ino (OU) Visible-Light-Mediated Regioselective Addition of Bis(sulfonyl)sulfane to Alkenes
16:05 ~ 16:20	Contributed Talk	Takuto Kohzuma (OU) Exploring the Optical Properties of Halogenated Phenalenyl Radicals
16:20 ~ 17:40	Poster Session	
18:30-20:30	Symposium Dinner	Ryukyutei, Tancha, Onna

Friday, June 26 — Advanced Structure & Closing

Morning Session 1: Advanced Organic Structures, Radicals & Polymers

Time Slot	Session Type	Speaker & Presentation Details
08:50 ~ 09:10	Invited Talk	Mamoru TOBISU (OU) Synthetic Transformations Enabled by Atomic Carbon Equivalents
09:10 ~ 09:30	Invited Talk	Christine Luscombe (OIST) Probing synthesis mechanisms and properties in semiconducting polymers
09:30 ~ 09:50	Invited Talk	Tomohiko NISHIUCHI (OU) Strain-Driven Open-Shell Emergence in Aromatic Hydrocarbons
09:50 ~ 10:10	Invited Talk	Ryohei KISHI (OU) Theoretical Molecular Design of Singlet Fission Chromophores Meeting Multiple Design Criteria

Morning Session 2: Contributed Presentations & Concluding Session

Time Slot	Session Type	Speaker & Presentation Details
10:10 ~ 10:45	Coffee Break	Extended Refreshments Break
10:45 ~ 11:00	Contributed Talk	Kohei Tada (OU) Toward New Strategies for Molecular Design: A Theoretical Investigation of Solid-Enabled Effects on Organic Radicals
11:00 ~ 11:15	Contributed Talk	Rongguan Yin (OIST) Structurally Programmable Organic Nanoparticles Using Controlled Radical Polymerization with Rigidity-Regulated Photoluminescence
11:15 ~ 11:30	Contributed Talk	Masaki Nakahata (OU) Development of Biofunctional Polymeric Hydrogels Using Mucin-Boronic Acid Bonds
11:30 ~ 11:50	Invited Talk	Julia Khusnutdinova (OIST) Mechanoresponsive luminescent materials: synthetic challenges and expanding to polymer-free mechanoluminescent films
11:50 ~	Closing	Symposium Wrap-up & Remarks

Time Slot	Session Type	Speaker & Presentation Details
14:00 ~ 16:30	Lab Tour (Optional)	OIST Research Facilities Site Tour

Poster Presentations

■ Polymers, Hydrogels & Network Materials

- **P-01: Ririko Fujiwara** (*Grad. Sch. of Sci., UOsaka*) "Synthesis and Properties of Sulfur-Containing Polyurethanes from Diol Monomers with Continuous Sulfur Chains"
- **P-02: Mizushima Issei** (*Graduate School of Science, The University of Osaka*) "Introduction of Carbon–Carbon Multiple Bonds into Side Chains of Sulfur-Containing Polymers and Evaluation of Their Properties"
- **P-03: Akihito Hashidzume** (*Graduate School of Science, The University of Osaka*) "Synthesis and Functions of Dense Triazole Polymers"
- **P-04: Toda Kenta** (*Grad. Sch. Sci., The Univ. of Osaka*) "Rapid Aqueous Synthesis and Degradability Evaluation of Sulfur-Containing Polymers Derived from Epihalohydrins"
- **P-05: Xue Li** (*Department of Macromolecular Science, Graduate School of Science, The University of Osaka*) "Toughening Elastomer via Sequentially Activated Multi-Pathway Energy Dissipation"
- **P-06: Naohiro Okamoto** (*Department of Macromolecular Science, Graduate School of Science, The University of Osaka*) "Photoinduced Modulation of the Sol–Gel Transition Rate of Supramolecular Polymer Gels"
- **P-07: Abdulrahman Ibrahim Abdulrahman Bakry** (*Pi-Conjugated Polymers Unit, OIST*) "Impact of Alkyl Spacer Length and Ether Content on the Kumada Catalyst Transfer Polymerization of Glycolated polythiophenes"
- **P-08: Misaki Hayakawa** (*Graduate School of Science, UOsaka*) "Toward the Establishment of a Solid-Phase Synthesis System for Precise Macromolecules Possessing the Dense Triazole Backbone"
- **P-09: Ryo AOKI** (*Grad. Sch. of Sci., UOsaka*) "連続硫黄を主鎖に有する架橋ポリマーの室温合成と物性解析 (Room-Temperature Synthesis and Physical Property Analysis of Crosslinked Polymers with Continuous Sulfur Main Chains)"

■ Organic Radicals & Open-Shell Materials

- **P-10: Kaito Taka** (*Graduate School of Engineering Science, The Univ. of Osaka*) "Theoretical study on magnetic properties of lanthanide complexes including nitroxide radical ligand"
- **P-11: Masaki Mori** (*The University of Osaka*) "Synthesis and Properties of Stable Triarylmethyl Radicals with Higher Acenes."
- **P-12: Kawanami Kota** (*Graduate School of Science, The University of Osaka*) "Synthesis and Properties of Tripyridylphenalenyl Radical for Supramolecular Assemblies"
- **P-13: Rikuya Hirota** (*The University of Osaka*) "Machine Learning Interatomic Potential-Guided Discovery of Adsorption-Site-Dependent Spin States in a Surface-Adsorbed Double-Decker Yttrium(III) Bis(phthalocyaninato) Complex"

- **P-14: Yusuke Goto** (*Grad. Sch. of Eng. Sci., The Univ. of Osaka*) "Effects of the Intramolecular Hydrogen Bonding on the Emission Properties of Triarylmethyl Radicals"

■ Supramolecular Architectures & Crystalline Frameworks

- **P-15: Shoma Ikebe** (*Graduate School of Engineering, The University of Osaka*) "Synthesis and Functional Exploration of a Novel Sumanene-Based COF"
- **P-16: Musashi Okada** (*Graduate School of Engineering Science, The University of Osaka*) "Controlled chiral symmetry breaking in a single crystal using optical vortex"
- **P-17: Kazuki KAWAHATA** (*The University of Osaka*) "Design and synthesis of a triangle molecule based on the NHC-Metal complex for the construction of supramolecular graphene"
- **P-18: Fabian Steudel** (*OIST*) "Supramolecular Fullerene-Nanohoop Architectures: Mechanically Interlocked [10]CPP Shuttles and Nanographene-Embedded Hosts"

■ Organic, Organometallic & Coordination Chemistry

- **P-19: ANJU BALAKRISHNAN SYAMALA** (*OIST*) "ISOLATION OF A 17-ELECTRON FeCp(CO)₂ DERIVATIVE"
- **P-20: Muhammad Sohail** (*OIST Graduate University*) "Control of Chemical Reactions in Non-aqueous Solutions Using Buffering Molecules"
- **P-21: Teruki Nishioka** (*The University of Osaka*) "Construction of a 9-Acylfluorene Framework via Carbon Atom Transfer from N-Isocyanides to 2-Arylbenzoyl Chlorides"
- **P-22: Felix Wech** (*OIST*) "20-electron Fe(C₆Me₆)₂: Structure, Coordination Chemistry and Catalytic Application"
- **P-23: Shogo Uchida** (*Graduate School of Science, UOsaka*) "Synthesis and characterization of a new asymmetric cobalt(III) complex coordinated by two aminothiolate ligands"

■ Optoelectronic, Photovoltaic & Luminescent Systems

- **P-24: Reishin Ose** (*Graduate School of Science, The University of Osaka*) "Exhaustive Search and Synthesis of Small Molecules Exhibiting Excited-state Planarization and Long-Wavelength Fluorescence"
- **P-25: Aya Shirai** (*The University of Osaka*) "Mapping Elongational Flow Stress with High-Mw Polystyrene Incorporating a Dual-Emissive Force Probe"
- **P-26: Yue Zhang** (*SANKEN, The University of Osaka*) "Synthesis and Properties of Thiophene-Based Quinoid Derivatives with Ester Side Chain"
- **P-27: Naji Vahedigharehchopogh** (*Catalan Institute of Nanoscience and Nanotechnology (ICN2)*) "Chlorine-Driven Performance Enhancement in Cu₂AgBiI₆ Photovoltaics"