

International Symposium on Advanced Polymers and Functional Materials

Organized by: Okayama University

Co-organized by: Shinshu University/The University of Tokyo Collaboration Branch
Office, Research Center for Water Environment Technology,
School of Engineering, The University of Tokyo



This symposium brings together world-leading researchers in advanced polymer chemistry and functional materials science. Topics span from molecular design and nanostructured materials to environmentally conscious polymers. With a focus on sustainability, innovation, and interdisciplinary collaboration, this event fosters knowledge exchange and international networking.

Date: July 11, 2025 (Friday)

Time: 10:00 – 19:00

Venue: Okayama University, KIBINOVE 5F



Registration Form

<https://forms.gle/umiXRpBuJBRPAQr99>

Program

- 10:00–10:10 Opening Remark (Okayama University, President Dr. Yasutomo Nasu)
- 10:10–10:50 Prof. Takashi Kato (Okayama University/Shinshu University, Japan)
"Nanostructured Aquatic Functional Materials"
- 10:50–11:40 Prof. Allan Guymon (Brigham Young University, USA)
"Controlled Radical Photopolymerization and Photoinitiation to Direct Network Structure"
- 11:40–12:10 Prof. Yoshinori Takashima (Osaka University, Japan)
"Functional Polymeric Materials with Movable and Reversible Crosslinks: A Supramolecular Strategy for Sustainable Degradation and Upcycling"
- 12:10–14:00 Lunch
- 14:00–14:50 Prof. Boosayarat Tomapatnagat (Chulalongkorn University, Thailand)
"Highly Sensitive and Selective Detection of Nonanal Using Fluorescent Probes Encapsulated in Self-Assembled Supramolecular Polymers"
- 14:50–15:20 Prof. Nobuyuki Zettsu (Shinshu University, Japan)
"Advanced Battery Materials for Design and Evaluation of Ion Diffusion Dynamics at Electrochemical Interfaces"
- 15:20–15:40 Break
- 15:40–16:10 Prof. Yuta Nishina (Okayama University, Japan)
"Production and Functionalization of 2D Carbon Materials"
- 16:10–17:00 Prof. Karen L. Wooley (Texas A&M University, USA)
"Sugar Plastics: An Evolution of Carbohydrate-Derived Synthetic Polymers from Nanoparticle Targets to Structural and Morphological Metamorphoses to Commercial Translation."

Coordinators: Prof. Takashi Kato & Yuta Nishina

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