

## *International symposium of Institute for Catalysis 2024*

### *“Development of Catalyst Technology for Resource Recycling”*

**Date:** October 3<sup>rd</sup> (Thu) 2024

**Venue:** Hybrid

1. Conference room at 5<sup>th</sup> floor, Institute for Catalysis, Hokkaido University (<http://www.cat.hokudai.ac.jp/access-e.html>)

2. Online (zoom).

**Organizer:** Institute for catalysis, Hokkaido University

**Cooperation:** 1) Research Division of Recycling of Organic Resources, Catalysis Society of Japan  
2) Hokkaido Branch, Catalysis Society of Japan

#### **Thursday, October 3<sup>rd</sup>**

10:00-10:05 Opening remark

10:05-10:25 Young Lecture (Dr. Shohei Tada, Hokkaido University)

CO<sub>2</sub> hydrogenation to olefins using bifunctional catalysts consisting of ZnZrO<sub>x</sub> and MOR-type zeolite

10:25-10:45 Young Lecture (Dr. Ryoichi Otomo, Hokkaido University)

Acid Catalytic Properties of Ti<sub>2</sub>O<sub>3</sub>-based metastable metal oxide materials

10:45-11:20 Invited Talk (Prof. Atsushi Fukuoka, Hokkaido University)

Conversion of cellulosic biomass by heterogeneous catalysis

11:20-11:50 Company introduction 1

11:50-12:50 Lunch

12:50-13:50 Plenary Lecture (Prof. Dr. Ning Yan, National University of Singapore)

in preparation

13:50-14:05 Break

14:05-14:40 Invited Talk (Prof. Sanjay Kumar Singh, IIT Indore)

Catalytic biomass/waste transformation for the production of value-added products

14:40-15:15 Invited Talk (Prof. Tomoo Mizugaki, Osaka University)

Valorization of renewable resource using Pt-Mo catalysts: Reductive transformation of carboxylic acid and its derivatives

15:15-15:45 Company introduction 2

15:45-16:00 Break

16:00-16:35 Invited Talk (Prof. Masaaki Kitano, Tokyo Institute of Technology)

Hydrides and Nitrides for Catalytic Ammonia Synthesis

16:35-17:10 Invited Talk (Dr. Takanori Iwasaki, The University of Tokyo)

Chemoselectivity Change in Catalytic Hydrogenolysis of Carbonyl Compounds

17:10-17:15 Closing remark

Banquet (HOTEL MYSTAYS Sapporo Aspen)



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**Registration:**

Please register in Google form and send e-mail to Satoshi Suganuma with your name, full affiliation, phone number, email address, and whether or not to attend the banquet.

Deadline for registration of banquet is September 26<sup>th</sup>.

[https://docs.google.com/forms/d/e/1FAIpQLSfq\\_to-e5DvPRUbJbILP8aFgDozLQTuDKchfypfB-ulaz2aQQ/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfq_to-e5DvPRUbJbILP8aFgDozLQTuDKchfypfB-ulaz2aQQ/viewform)

**Conference fee:**

Member of Catalysis Society of Japan (including corporate members) : 5000JPY

ICAT member (including Staff and Student) : Free

General (excluding Member of Catalysis Society of Japan and ICAT members) : 8000JPY

Student (excluding ICAT members) : Free

**Banquet fee:** 4,000 JPY

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