

TOCAT7 Kyoto2014

Seventh Tokyo Conference on Advanced Catalytic Science and Technology

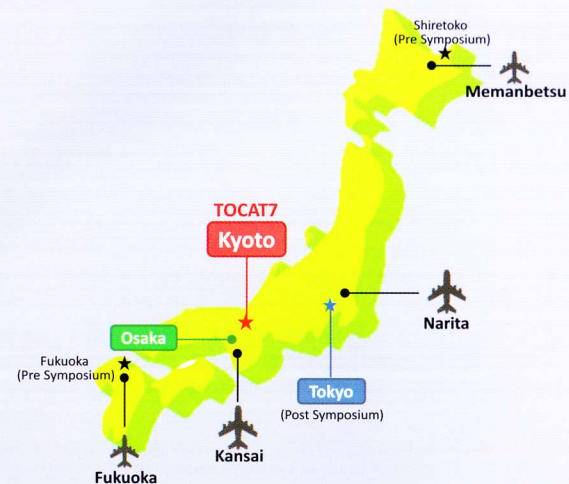
June 1 - 6, 2014

Kyoto TERRSA
Shinmachi Kujo, Minami-ku
Kyoto 601-8047
Japan



2nd Circular/Call for Papers

Organized by Catalysis Society of Japan
<http://www.shokubai.org/intern/tocat7>



Key Dates

Deadline for extended abstracts	October 31, 2013
Notice of acceptance of papers	January 15, 2014
Deadline for Early bird registration	March 15, 2014
Deadline for full paper	June 6, 2014

Organizing Committee Executives

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Treasurer: T. Tanaka (Kyoto Univ.)

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Local Arrangement: R. Abe (Kyoto Univ.), T. Matsui (Kyoto Univ.), T. Miyake (Kansai Univ.), K. Teramura (Kyoto Univ.), H. Yoshida (Kyoto Univ.)

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Correspondence

Prof. Hiromi Yamashita Secretary, TOCAT7

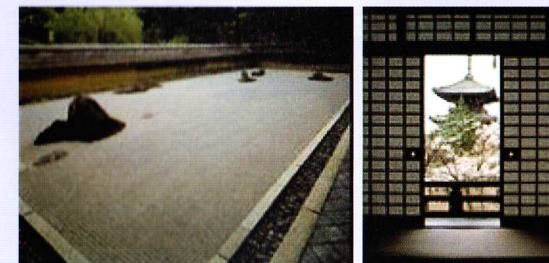
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Invitation

The Seventh Tokyo Conference on Advanced Catalytic Science and Technology (TOCAT7) will be held from June 1 to 6, 2014 in Kyoto, Japan. Catalysis Society of Japan will organize this meeting as a continuation of TOCAT (1990), TOCAT2 (1994), TOCAT3 (1998), TOCAT4 (2002), TOCAT5 (2006) TOCAT6/APCAT5 (2010). The past six TOCAT conferences have earned a good reputation as a new series of international conferences on catalysis that has significantly filled the gap between research and technology in catalysis.

Scope of the Conference

Stimulating closer ties between academia and industry and encouraging young researchers in the field of catalysis are the central concept of this conference. This conference should greatly contribute to exchanging new ideas and technologies and promoting developments of new outstanding catalysts and systems under the scope that catalysis is a highly and eagerly demanded technology in industries and for sustainable society and drives innovation in many other fields.

Papers on the following topics are welcome.

General session

- New concepts for catalysis
- Advanced materials for catalysis
- Fundamentals and characterization
- Green & sustainable catalysis
- Catalysis in energy conversion
- Environmental catalysis
- Biocatalysis
- Photocatalysis
- Solid acids and bases
- Selective oxidation
- Organometallic catalysis
- Reactor engineering

Industrial session

- Introduction of recently developed and/or commercialized industrial catalysts and processes
- Emission control
- Green & sustainable processes
- Petroleum refining and petrochemicals
- Fine and chiral synthesis
- Polymerization

Scientific Program

The scientific program will consist of plenary lectures for overall sessions, invited lectures for parallel sessions, oral presentations for each session and posters.

Plenary Lectures are listed below.

Prof. Gabriele Centi (University of Messina)
"Nanocarbons for the Development of Advanced Catalysts"

Dr. Hirohito Hirata (Toyota Motor Corporation)
"Recent Progress on Automotive Catalyst"

Prof. Christopher Jones (Georgia Institute of Technology)
"Tuning Acid-Base Cooperativity to Create Next Generation Silica-Supported Organocatalysts"

Prof. Can Li (Dalian Institute Chemical Physics)
"Fundamental Understanding of Photocatalysis for Solar Fuels Production"

Dr. Ulrich Müller (BASF SE)
"Catalysis - Enabler for Sustainability"

Dr. Tohru Setoyama (Mitsubishi Chemical Corporation)
"Catalysts' Contribution for the Realization of (Green) Sustainable Society in 21st Century"

Prof. Galen J. Suppes (Missouri-Columbia University)
"Simulation of Catalyzed Urethane Polymerization--An Approach to Expedite Commercialization of Bio-Based Materials"

Prof. Takashi Tatsumi (Tokyo Institute of Technology)
"Role of Catalysis in Sustainable "Petro"chemicals Production"



Extended Abstracts

Those who wish to present a paper in the sessions are requested to submit a short abstract (A4 size, half page) and an extended abstract (A4 size, 2 pages). The format of the abstracts will be shown on our website in due course. Desirable mode of presentation (oral or poster) should be selected at the abstract submission on the website. Selection of paper and the mode of presentation will be decided by the Organizing Committee based on the extended abstracts. The short abstracts will be printed in a brochure, and the extended ones in a memory stick. The abstracts must be received on our website by October 2013. Notice of acceptance will be sent by the Organizing Committee to the authors by January 2014. The detailed information of the submission will be announced on the website.

Publication

The contributors will be invited to submit a paper to *Catalysis Today*, *Catalysis Surveys from Asia*, and *Research on Chemical Intermediates* appearing in a special issue devoted to the Conference. All manuscripts will be peer reviewed following a standard procedure and the acceptance will be decided by the Editors. The detailed information of the submission will be announced on the website.

Pre- & Post-Symposium

"International Symposium on Catalysis for Renewable Chemicals" (Pre-symposium)

Date: May 29-31, 2014 Place: Shiretoko (Hokkaido)
Chairman: A. Fukuoka (Hokkaido Univ.)

"International Symposium on Recent Advances in Environmental Catalysis" (Pre-symposium)

Date: May 29-31, 2014 Place: Fukuoka
Chairman: Y. Teraoka (Kyushu Univ.)

"Catalysis Symposium on Green and Sustainable Chemistry" (Post-symposium)

Date: June 7-8, 2014 Place: Tokyo
Chairman: M. Matsukata (Waseda Univ.)

Registration Fee

Early bird Registration (by March 1, 2014)

Participant	60,000 JPY
Students	20,000 JPY

Registration (after March 1, 2014)

Participant	70,000 JPY
Students	25,000 JPY