



第 33 回ゼオライト夏の学校
&
The 8th International Symposium on Porous Materials 2026 (ISPM2026)

Aug. 30 – Sep. 1, 2026
KKR Kamakura Wakamiya, Kamakura, Japan

Sponsors



第 33 回ゼオライト夏の学校&The 8th International Symposium on Porous Materials 2026 (ISPM2026)

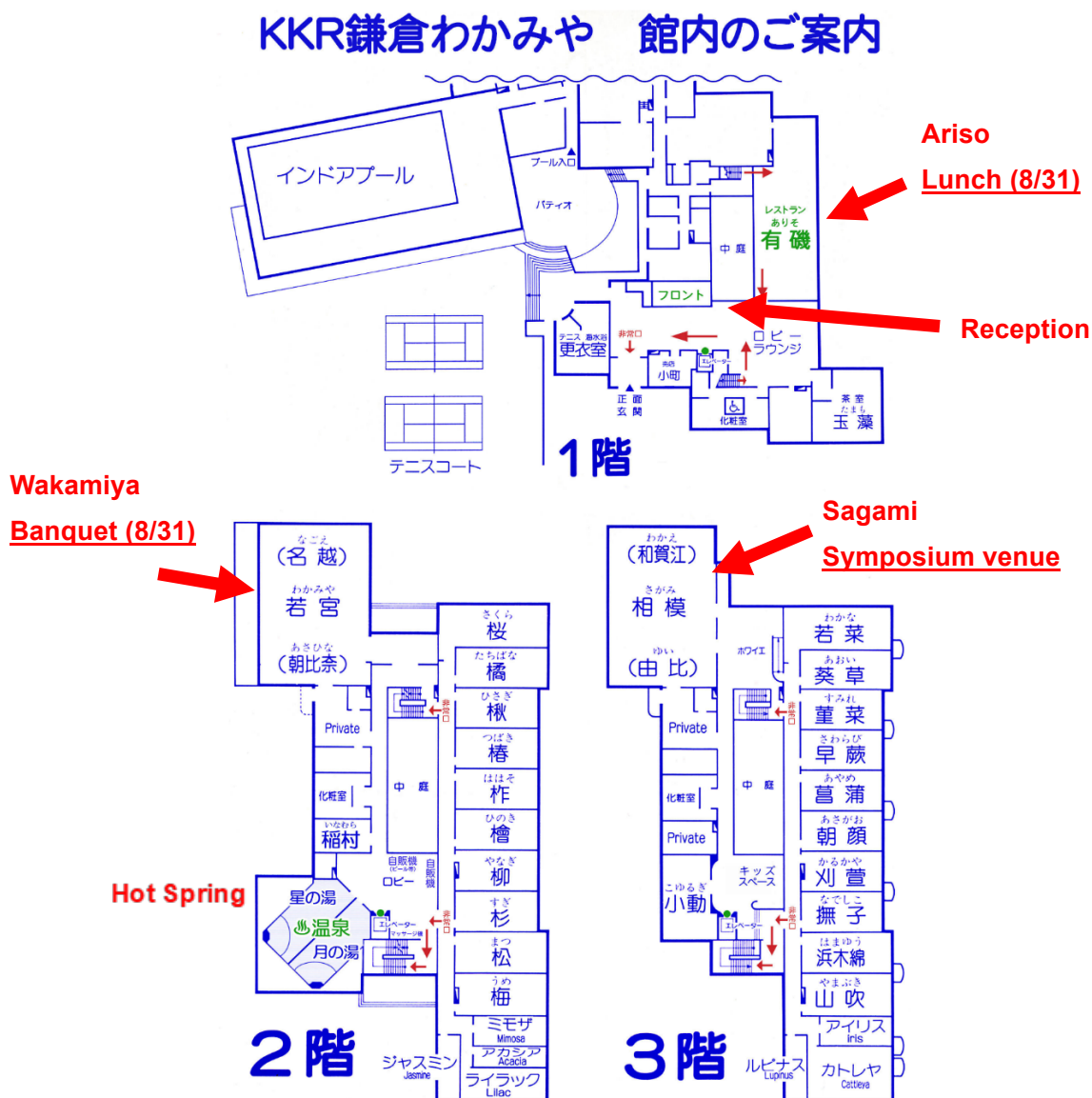
August 30 – September 1, 2026

- 【主催】 第 33 回ゼオライト夏の学校 & ISPM2026 実行委員会
一般社団法人日本ゼオライト学会
- 【協賛】 一般社団法人 触媒学会（第 40 回 規則性多孔体研究会セミナー）
公益社団法人 石油学会
- 【世話人】 東京科学大学 横井俊之
東京大学 脇原徹

Venue

KKR Kamakura Wakamiya, Kamakura, Japan

4-6-13 Yuigahama, Kamakura, Kanagawa, 248-0014



Program

Aug. 30 (Sun.)

12:00 Registration

13:20 Opening remarks

Session 1: Chair

13:30 IL1 Prof. **Naonobu Katada**, Tottori University, Japan
"The Truth about Shape-selective Para-xylene Production Catalyzed by Silica-coated MFI-type Zeolite"

14:15 IL2 Prof. **Xiangju Meng**, Zhejiang University, China
"Designed synthesis of zeolites"

15:00 Break

15:15 IL3 Prof. **Szu-Chia Chien**, National Central University, Taiwan
"A Systematic Comparison of Surface Area Determination Methods in Porous Materials"

15:45 Break

16:00 **Poster presentation**

17:30 Gather in the lobby

18:00 Networking Event I (BBQ restaurant)

21:00 Get together at KKR

Aug. 31 (Mon.)

Session 2: Chair

9:00 IL4 Prof. **Emiel J. M. Hensen**, Eindhoven University of Technology, The Netherlands
"Dynamic Evolution of Fe Centers in Fe/SSZ-13 Catalysts for NH₃-SCR of NO_x"

9:45 IL5 Prof. **Kiyotaka Nakajima**, Hokkaido University, Japan
"Catalytic in-situ acetalization strategy for high-yield synthesis of C4- and C2-carbohydrate derivatives from glucose"

10:15 Break

Session 3: Chair

10:30 IL6 Dr. **Peipei Xiao**, Institute of Science Tokyo, Japan

“Zeolite Topology Steers Methane Valorization”

11:00 IL7 Prof. **Toru Wakihara**, The University of Tokyo, Japan

“Application of zeolite in greenhouse gas capture”

11:30 GO1 Dr. **Shih-Yuan Chen**, AIST, Japan

“Nanoporous Carbon-Supported Metal Catalysts for Energy Carrier and Fuel Production”

11:45 GO2 **Ayane Takeuchi**, Tohoku University, Japan

“Room-Temperature Stable Radicals Generated by Heat Treatment of Zeolites”

12:00 Lunch

Session 4: Chair

13:00 GO3 **Yukito Sakiyama**, Tottori University, Japan

“Suppression of water adsorption by coverage with silica shell on CHA zeolite”

13:15 GO4 **Aoi Nagamine**, Hokkaido University, Japan

“Synthesis of Nb-Beta Zeolites via Dry Gel Conversion and Their Catalytic Activity for Glucose Conversion”

13:30 GO5 **Raichi Asami**, Institute of Science Tokyo, Japan

“Stabilization of Ethane Dehydroaromatization over a Zn/Pt@H-MFI Catalyst”

13:45 GO6 **Haruna Sasagawa**, University of Toyama, Japan

“CO₂ hydrogenation over a composite catalyst of ZnCrOx and Zeolites”

14:00 GO7 **Xinbo Pang**, Institute of Science Tokyo, Japan

“Effect of Dual Organic Structure-Directing Agents on Aluminum Distribution in Beta Zeolite”

14:15 GO8 **De-Chian Chen**, The University of Tokyo, Japan

“Post-Synthetic Defect Healing of H-ZSM-5 via Liquid-Phase NH₄F Treatment for Enhanced Methanol-to-Olefins Catalytic Performance”

14:30 Free time

18:00 Networking Event II (Banquet at Wakamiya, KKR)

21:00 Get together at KKR

Sep. 1 (Tue.)

Session 5: Chair

9:00 IL8 Prof. **Li-Chiang Lin**, National Taiwan University, Taiwan
 "Computational Study of Water Adsorption in Metal-organic Frameworks"

9:30 IL9 Prof. **Ching-Tien Chen**, National Tsing Hua University, Taiwan
 "Stirring Redirects the Nucleation Trajectory of Zeolites"

10:00 Break

Session 6: Chair

10:15 IL10 Dr. **Raquel Simancas**, The University of Tokyo, Japan
 "Tailoring Zeolite Crystallization through Pressure Engineering of Amorphous Aluminosilicate Precursors"

10:45 IL11 Prof. **Toshiyuki Yokoi**, Institute of Science Tokyo, Japan
 "Advanced Zeolite Technologies for Sustainable Catalysis"

11:15 Closing remarks

Poster Presentation (Aug. 30 16:00 – 17:30)

P1	Hanlong Ya	The University of Tokyo	Side –Pocket Confinement and Ionic Potential Drive Cooperative Trace N ₂ O Capture in Mordenite
P2	Keisuke Iriba	Hokkaido University	The Effect of Zeolite on the Production of Bio-derived Phenol via the Dealkylation of Hydrochardanol
P3	Nanami Takeshita	Kochi University	Selective conversion of cellulose into furfurals over zeolites in ethanol
P4	Gen Horiguchi	Shizuoka University	Key Factors for the Formation of Layered Silicate Nu-6(1) and Interlayer Expansion by Post-Synthetic Treatment
P5	Taiki Gondai	Shizuoka University,	Effects of Methanol and Ethanol Additives on the Formation of EMT, LTA, and SOD Phases from Sodium Aluminosilicate Gels
P6	Ryo Honda	Tottori University	Cracking behavior of alkanes in liquid and gas phases over MFI zeolite
P7	Takumi Kurihara	Institute of Science Tokyo	Development of Cu Nanoparticle-Encapsulated Beta Zeolite Catalysts for Ethanol Synthesis via CO ₂ Hydrogenation
P8	Tesshin Noma	Institute of Science Tokyo	Development of Cu-encapsulated MFI-type Zr-metallosilicate catalysts for the highly selective synthesis of butadiene from ethanol
P9	Naoya Shinohata	Institute of Science Tokyo	Development of ZnZrOx-Supported Zeolite Catalysts for Hydrocarbon Synthesis from CO ₂ via Methanol
P10	Takumi Nagayasu	Tottori University	Effect of Deposition Temperature on the Shape Selectivity of Silica Overlayer Covering MFI Zeolite
P11	Yuto Imai	Institute of Science Tokyo	Development of a zeolite-encapsulated PtGa catalyst for ethane dehydroaromatizaion
P12	Ao Zhang	University of Toyama	ZSM-5@ZnCr Reverse Capsule Catalyst for Highly Selective Isoparaffins
P13	Koki Fukushima	Institute of Science Tokyo	Development of MFI zeolite-encapsulated Pt nanoparticulate catalyst by dry-gel conversion method and its application to benzene ethylation with ethane
P14	Kengo Kishi	Institute of Science Tokyo	Effect of the Structure of Zeolite-Encapsulated Ni Catalysts on the Catalytic Performance in Dry Reforming of Methane
P15	Quan Zuo	Institute of Science Tokyo	Investigation of Multifunctional Catalysts for Production of BTX from Polycyclic Aromatic Hydrocarbons
P16	Tianjiao Zhao	Institute of Science Tokyo	Beta-Zeolite-Based Bimetallic Catalysts for the Catalytic Oxidation of HMF
P17	Qingzhuo Tian	Institute of Science Tokyo	Investigation of Preparation Conditions and Acid Catalytic Properties of RTH-type Aluminosilicates
P18	Kairui Luan	Institute of Science Tokyo	Phosphoric Acid Addition Sequence Regulates SAPO-18 Crystallization and Acid Site Distribution for Methanol-to-Olefins Reaction
P19	Tomoaki Taguchi	Institute of Science Tokyo	Effect of Aluminum content in parent MFI and Beta zeolites on the synthesis of CON-type zeolite by blending method
P20	Wentao Huo	Institute of Science Tokyo	Effect of Reaction Temperature and Zeolite Structure on Gas Product Distribution during Catalytic Pyrolysis of Biomass

P21	Motoki Kuwahara	Institute of Science Tokyo	Influence of Seed crystals and Aging Conditions on the Crystallization Behavior of SSZ-13 Zeolite
P22	Jodie Baker	The University of Tokyo	Design of Tandem Zn-Based Metal Oxides/SSZ-13 Catalysts for CO ₂ Hydrogenation to Light Olefins
P23	Yuan Qin	The University of Tokyo	Dual-OSDA Ultrafast Synthesis of AFX Zeolite for Enhanced Catalytic Performance in Selective Catalytic Reduction of NO _x with NH ₃
P24	Chisa Noda	The University of Tokyo	Synthesis of metal-organic frameworks using epoxide ring-opening reaction
P25	Moriguchi Fumiaki	Tokyo University of Agriculture and Technology	A New Gas Adsorption Behavior of an Elastic Layer-Structured MOF ELM-12: Transformation from Flexible to Rigid