

# Program

Jul. 19<sup>th</sup> (Fri.)

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12:00 Registration

13:20 Opening remarks

## Session 1

13:30 **IL1** **Prof. Rajamani Gounder** (Purdue University, U.S.A.)  
“Harnessing coupled reaction-transport phenomena in Brønsted acidic zeolites to develop stable and selective olefin oligomerization catalysts”

14:00 **IL2** **Prof. Jeffrey D. Rimer** (University of Houston, U.S.A.)  
“Elucidating and Controlling Zeolite Crystallization for the Design of Advanced Materials”

14:30 Break

## Session 2

14:45 **IL3** **Prof. Emiel J. M. Hensen** (Eindhoven University of Technology, The Netherlands)  
“Cracking of carbon-carbon bonds in lignin using metal/zeolite catalysis”

15:15 **IL4** **Prof. Minkee Choi** (Korea Advanced Institute of Science and Technology)  
“Replacing HCl with Zeolite-Based Solid Acid Catalysts in the Production of Polyurethane Intermediates”

15:45 Break

## Session 3

16:00 **IL5** **Prof. Hermann Gies** (RUB / Tokyo Tech, Germany/Japan)  
“Are zeolites crystalline? Reflections on order and disorder in silicate zeolites”

- 16:30 **IL6** **Dr. Ulrich Müller** (BASF SE, Germany)  
“Discovery, Invention, Innovation – 40 years in Microporous Materials”
- 17:00 Free time
- 18:00 Welcome party

## **Jul. 20<sup>th</sup> (Sat.)**

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- 8:45 Connection test / Rehearsal

### Session 4

- 9:00 **PL1** **Prof. Javier Garcia Martinez** (Universidad de Alicante, Spain)  
“How to Prepare Superior Catalysts for the Conversion of Bulky Molecules”
- 9:45 **PL2** **Prof. Benoît Louis** (Université de Strasbourg, France)  
“Pivotal Role of Microporous Solids in the Energy Roadmap?”
- 10:00 Break

### Session 5

- 10:45 **PL3** **Prof. Wei Fan** (University of Massachusetts Amherst, USA)  
“Controlling Crystallization Kinetic and Composition of High-Silica Zeolites Using Charge Balancing Approach”
- 11:30 **PL4** **Dr. Manuel Moliner** (Instituto de Tecnologia Quimica (ITQ), Spain)  
“Guiding zeolite synthesis towards target frameworks and selective active site location: catalytic implications”
- 12:15 Lunch

### Session 6

- 13:30 **IL7** **Prof. Kevin C.-W. Wu** (National Taiwan University, Taiwan)  
“Enhanced Plastics-to-Single-Walled Carbon Nanotube (SWCNT) Conversion Through Sequential Zeolites and Fe/SiO<sub>2</sub>-based Catalysis”

14:00 **IL8** **Prof. Peng Wu** (East China Normal University, China)  
“Synthesis of Zeolites with Large Porosity and Stable Frameworks”

14:30 Break

### Session 7

14:45 **IL9** **Dr. Ana Palčić** (Laboratory for Synthesis of New Materials, Ruđer Bošković Institute, Croatia)  
“Exploring zeolite behavior upon different energy inputs”

15:15 **IL10** **Prof. Jean-Pierre Gilson** Laboratory of Catalysis and Spectrochemistry (LCS), ENSICAEN, Normandy University, France)  
“Industrial Zeolite Processes: Past Successes and Blueprints for the Future”

15:45 **IL11** **Prof. Michiel Dusselier** (Katholieke Universiteit Leuven, Belgium)  
“Highly active Ru-hydride catalysis in zeolites: spectroscopic proof and diene isomerization”

16:15 Closing remarks

16:20 Free time

18:00 Banquet

### **Jul. 21<sup>st</sup> (Sun.)**

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7:00 Breakfast

9:00 Depart for Osaka