



International Expert Summit on Catalysis and Chemical Engineering

Osaka, Japan | April 08–10, 2027

Day 1: Catalysis Focus Areas

08:30 – 09:30 | Registration & Networking Breakfast

09:30 – 10:00 | Opening Ceremony & Welcome Address

- **Conference Chair's Remarks**
- **Keynote Address 1:** Biocatalysis & Enzyme Catalysis
- **Keynote Address 2:** *Green Catalysis & Sustainable Processes*

10:00 – 11:30 | Plenary Talks

- *Medicinal & Pharmaceutical Chemistry*
- *Analytical Chemistry*

11:30 – 12:00 | Coffee Break & Networking

12:00 – 13:30 | Invited Talks / Featured Talks & Oral Presentations

- *Energy Storage and Battery Chemistry*
- *Surface Science in Catalysis*

13:30 – 14:30 | Lunch Break & Networking

14:30 – 16:00 | Poster Presentations & Symposium

- *CO₂ Capture, Conversion & Environmental Catalysis*
- *Hydrogen Production, Storage & Fuel Cells*

16:00 – 17:30 | Workshop

- *Chemical Biology & Biomolecular Chemistry*

17:30 – 18:30 | Panel Discussion

- Homogeneous Catalysis

19:00 – 21:00 | Gala Dinner & Networking

Day 2: Chemical Engineering and Technology

08:30 – 09:30 | Morning Coffee & Networking

09:30 – 11:00 | Keynote & Plenary Sessions

- **Keynote Address 3:** *Energy Storage and Battery Chemistry*
- **Plenary Talk:** *Spectroscopy & Chemical Analysis*
- **11:00 – 11:30 | Coffee Break & Exhibition Tour**

11:30 – 13:00 | Invited Talks / Featured Talks & Oral Presentations

- *Nanocatalysis & Nanomaterials*
- *Electrocatalysis*
- *Green & Sustainable Chemistry*

13:00 – 14:00 | Lunch & Networking

14:00 – 16:00 | Poster Presentations & Symposium

- *Spectroscopy & Chemical Analysis*
- *Energy Storage and Battery Chemistry*

16:00 – 17:30 | Workshop

- *Catalysis for Energy Conversion*

17:30 – 18:30 | Panel Discussion

- *Computational Catalysis & Modeling*
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Day 3: Sustainability, Innovation & Emerging Trends

08:30 – 09:30 | Morning Coffee & Networking

09:30 – 11:00 | Keynote & Plenary Sessions

- **Keynote Address 4:** *Waste Valorization and Biomass Catalysis*

- **Plenary Talk:** *AI, Data Science & Machine Learning in Catalysis*

11:00 – 11:30 | Coffee Break

11:30 – 13:00 | Invited Talks / Featured Talks & Oral Presentations

- *Hydrogen Production and Clean Energy Catalysis*
- *High-Throughput and In Situ Catalytic Screening Methods*
- *Catalysis in Pharmaceutical and Petrochemical Industries*

13:00 – 14:00 | Lunch & Networking

14:00 – 16:00 | Poster Presentations & Symposium

- *Catalysis for Environmental Protection and Remediation*
- *Industrial Catalysis and Process Intensification*

16:00 – 17:30 | Workshop

- *Catalysis in CO₂ Conversion and Carbon Capture*

17:30 – 18:30 | Closing Panel Discussion & Future Roadmap

- *Hydrogen Production and Clean Energy Catalysis*

18:30 – 19:00 | Closing Ceremony & Awards

Latest Topics for Effective Speaker Engagement

1. *Catalysis in Space Chemistry & Planetary Missions*
 2. *Catalysis in Semiconductor and Nanofabrication Industries*
 3. *Automated High-Throughput Catalyst Screening Systems*
 4. *Cross-Disciplinary Catalysis: Pharma, Food, and Agri-Tech*
 5. *Renewable Feedstocks & Biomass Valorization*
 6. *Regulatory and Commercial Aspects of Industrial Catalysts*
 7. *CO₂ Electroreduction and Carbon-Neutral Catalytic Pathways*
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