# 14\textsuperscript{th} Annual Saudi-Japanese Symposium

**Catalysts in Petroleum Refining & Petrochemicals**

King Fahd University of Petroleum & Minerals-KFUPM  
The Research Institute, Dhahran, Saudi Arabia, December 5-6, 2004

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**Day One: Sunday, December 5, 2004**

## OPENING REMARKS  
**Chairman: Dr. Muhammad Al-Saleh**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Registration and Coffee Break</td>
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<tr>
<td>8:30</td>
<td>Welcome and Opening Remarks</td>
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**H.E. Dr. Khaled S. Al-Sultan, Rector of KFUPM**  
**Mr. Hideki Konishi, Senior Coordinator, The Japan Petroleum Institute**

## CLEAN FUELS  
**Chairman: Dr. H. H. Redhwi**

<table>
<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00</td>
<td>1. Keynote Lecture</td>
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<tr>
<td></td>
<td>Novel Synthesis Routes for Clean Fuels through Ultra-Rapid Synthesis of Syngas as the Trigger Technology</td>
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<td>Dr. Tomoyuki Inui, KFUPM-Chemical Engineering Department</td>
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<tr>
<td>9:30</td>
<td>2. Effective Control of Molecular Transformations in Hydrocrackers for Clean Fuels Production</td>
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<td>Dr. Suheil Abdo, UOP, USA</td>
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<td>10:00</td>
<td>Coffee Break</td>
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## HYDROPROCESSING  
**Chairman: Dr. Tomoyuki Inui**

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<tr>
<td></td>
<td>Dr. Shakeel Ahmed, KFUPM-Research Institute</td>
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<tr>
<td>11:00</td>
<td>4. A New Generation of Hydroconversion and Hydrodesulfurization Catalysts</td>
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<td>Dr. Stephane Kressmann, Axens- IFP Group Technologies, France</td>
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<tr>
<td>11:30</td>
<td>5. Recent Advances in FCC Gasoline Post-Treating Catalysts and Processes</td>
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<td>Dr. Syed Ahmed Ali, KFUPM-Research Institute</td>
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<tr>
<td>12:00</td>
<td>Day One Ends/Prayer and Lunch Break</td>
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6. Evaluation of Maximum Potential HDS Activity and Active Site Structure of Co-Mo/Al$_2$O$_3$ Catalysts (*In Proceedings*)  
**Dr. Yasuyuki Okamoto**, Shimane University, Japan

**Dr. Hiroyuki Seki**, Nippon Oil Corporation, Japan

**PS:** Each presentation includes 5-minutes Q&A  
**Final Program:** December 3, 2004
14th Annual Saudi-Japanese Symposium

Catalysts in Petroleum Refining & Petrochemicals
KFUPM Research Institute, Dhahran, Saudi Arabia, December 5-6, 2004

Day Two: Monday, December 6, 2004

FCC AND VOC CONTROL  Chairman: Dr. Zaki S. Seddigi

7:45  Registration and Coffee Break

8:00  8. Characterization of Multi-Component Methanation Catalysts
      Mr. M. Choudhury, KFUPM-Chemical Engineering Department

8:30  9. HS-FCC ‘Downer’ Demo Plant: An Update
      Mr. Ken Takata, Nippon Oil Corporation, Japan

9:00  10. FCC Reactor Modeling and Catalyst Selection
       Mr. Safwan Nugali, Saudi Aramco, Dhahran

9:30  11. Catalytic Treatment Techniques for the Control of VOC Emissions
        Dr. P. Knops-Gerrits, WATERLEAU Global Water Technology, Belgium

10:00 Coffee Break

PETROCHEMICALS  Chairman: Mr. Safwan Nugali

10:30 12. Oxidehydrogenation of Propane over MnPO Catalyst: Effects of Oxygen Partial Pressure; Dr. B. Y. Jibril, ChE, King Saud University, Riyadh

11:00 13. Oxo Process: Applications, Catalytic Activity and Recycling
        Dr. Bassam El Ali, KFUPM-Chemistry Department

11:30 14. Capabilities in Production of PE Catalysts and Specialty (Metal-) Organics
        Dr. Michiel Floor, Akzo Nobel, The Netherlands

12:00 Symposium Ends; Closing Remarks/Prayer and Lunch Break

15. Isomerization of n-Butane over sulfated zirconia catalyst under super-critical conditions (In Proceedings)
      Dr. Koichi Segawa, Sophia University, Japan

      Dr. Koichi Eguchi, Kyoto University, Japan

PS: Each presentation includes 5-minutes Q&A

Final Program: December 3, 2004

Symposium Organizers:

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