



Mitsui Chemicals

<http://www.mitsui-chem.co.jp/e/>

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December 22, 2008

Mitsui Chemicals, Inc.

Mitsui Chemicals to Host “The Fourth Mitsui Chemicals International Symposium on Catalysis Science (MICS2009)”

Mitsui Chemicals, Inc. (“MCI”) hereby announces it will host “The Fourth Mitsui Chemicals International Symposium on Catalysis Science (MICS2009)” as follows.

Details

- 1. Theme :** Catalysis Science and Its Contribution to Future Human Development
- 2. Date :** March, 11-12, 2009
- 3. Venue :** Kazusa Akademia Hall (Kisarazu, Chiba Prefecture, Japan)
- 4. Lectures :** Please see Appendix for detailed schedule.

Plenary Lectures

Prof. Roald Hoffmann (Cornell University, U.S.A.)

The 1981 Nobel Prize Laureate in Chemistry

“Chemistry’s Essential Tensions : Different Ways of Looking at a Science”

Emeritus Prof. Henri B. Kagan (Université Paris-Sud, France)

The 2001 Wolf Prize Laureate in Chemistry

“Asymmetric Catalysis, a Promising Route to Biologically Active Compounds
or Their Synthetic Intermediates”

Invited Lectures

Emeritus Prof. Bernard Witholt (Swiss Federal Institute of Technology Zurich)

“Industrial Chemistry with Whole Cell Biocatalysts”

Dr. Robert J. Farrauto (BASF Catalysts LLC, U.S.A.)

“Automotive Emission Control : Past, Present and Future”

Prof. Kyriacos C. Nicolaou (The Scripps Research Institute
and the University of California, San Diego, U.S.A.)

“Catalysis in Total Synthesis”

Prof. Barry M. Trost (Stanford University, U.S.A.)

“On Inventing Reactions for Atom Economy”

Prof. Ei-ichi Negishi (Purdue University, U.S.A.)

“Transition Metal-Catalyzed Organometallic Reactions
That Have Revolutionized Organic Synthesis”

Prof. Yasuhiro Iwasawa (The University of Tokyo, Japan)

“Chemical Design and Dynamic Structures on Catalyst Surfaces
for Innovative Processes”

Prof. Masakatsu Shibasaki (The University of Tokyo, Japan)

“Recent Progress in Asymmetric Two-Center Catalysis”

Dr. Shin-ichiro Tawaki (Mitsui Chemicals, Inc., Japan)

“Development of Novel Biocatalysts for the Production
of Useful Chemicals from Biomass”

5. The Award Ceremony of the “2009 Mitsui Chemicals Catalysis Science Award” and Commemorative Lectures :

The award ceremony will be held for the winners of the award, and commemorative lectures by the winners will be presented.

Commemorative Lectures

1) The Winners of the “2009 Mitsui Chemicals Catalysis Science Award”

Prof. John F. Hartwig (University of Illinois, U.S.A.)

Prof. Kyoko Nozaki (The University of Tokyo, Japan)

2) The Winners of the “2009 Mitsui Chemicals Catalysis Science Award
of Encouragement”

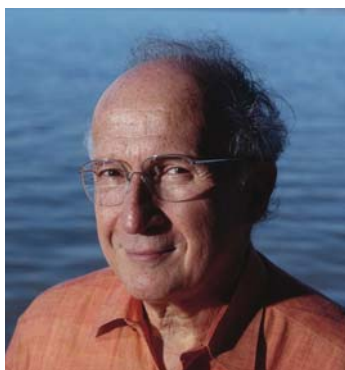
Dr. Shigeki Matsunaga (The University of Tokyo, Japan)

Assistant Prof. Yoshiaki Nakao (Kyoto University, Japan)

MCI plays a leading role in the field of catalysis science. MCI continuously works on leading-edge catalyst development by utilizing its long-standing scientific network in catalysis science contributing to advancements in affluent society through the creation of high-performance materials and substances.

Program of “The Fourth Mitsui Chemicals International Symposium
on Catalysis Science (MICS2009)”

| March 11 (Wed.) 2009 | | March 12 (Thur.) 2009 | |
|----------------------|--|-----------------------|--|
| 10:00 ~ 10:10 | Opening Ceremony | 10:00 ~ 10:50 | <Plenary Lecture> Emeritus Prof. Henri B. Kagan (Université Paris-Sud, France) The 2001 Wolf Prize Laureate “Asymmetric Catalysis, a Promising Route to Biologically Active Compounds or Their Synthetic Intermediates” |
| 10:10 ~ 11:00 | <Plenary Lecture> Prof. Roald Hoffmann (Cornell University, U.S.A.) The 1981 Nobel Prize Laureate “Chemistry’s Essential Tensions : Different Ways of Looking at a Science” | 10:50 ~ 11:40 | Prof. Masakatsu Shibasaki (The University of Tokyo, Japan) “Recent Progress in Asymmetric Two-Center Catalysis” |
| 11:00 ~ 11:50 | Prof. Yasuhiro Iwasawa (The University of Tokyo, Japan) “Chemical Design and Dynamic Structures on Catalyst Surfaces for Innovative Processes” | 13:10 ~ 14:00 | Dr. Robert J. Farrauto (BASF Catalysts LLC, U.S.A.) “Automotive Emission Control : Past, Present and Future” |
| 13:50 ~ 14:40 | Emeritus Prof. Bernard Witholt (Swiss Federal Institute of Technology Zurich, Switzerland) “Industrial Chemistry with Whole Cell Biocatalysts” | 14:00 ~ 14:50 | Prof. Kyriacos C. Nicolaou (The Scripps Research Institute and the University of California, San Diego, U.S.A.) “Catalysis in Total Synthesis” |
| 14:40 ~ 15:30 | Dr. Shin-ichiro Tawaki (Mitsui Chemicals, Inc., Japan) “Development of Novel Biocatalysts for the Production of Useful Chemicals from Biomass” | 15:10 ~ 16:00 | Prof. Barry M. Trost (Stanford University, U.S.A.) “On Inventing Reactions for Atom Economy” |
| 15:50 ~ 17:20 | The Award Ceremony & Commemorative Lectures | 16:00 ~ 16:50 | Prof. Ei-ichi Negishi (Purdue University, U.S.A.) “Transition Metal-Catalyzed Organometallic Reactions That Have Revolutionized Organic Synthesis” |
| | <u>The Winners of the “2009 Mitsui Chemicals Catalysis Science Award”</u> Prof. John F. Hartwig (University of Illinois, U.S.A.) Prof. Kyoko Nozaki (The University of Tokyo, Japan) | 16:50 ~ 16:55 | Closing Ceremony |
| | <u>The Winners of the “2009 Mitsui Chemicals Catalysis Science Award of Encouragement”</u> Dr. Shigeki Matsunaga (The University of Tokyo, Japan) Assistant Prof. Yoshiaki Nakao (Kyoto University, Japan) | | |



Prof. Roald Hoffmann



Em. Prof. Henri B. Kagan



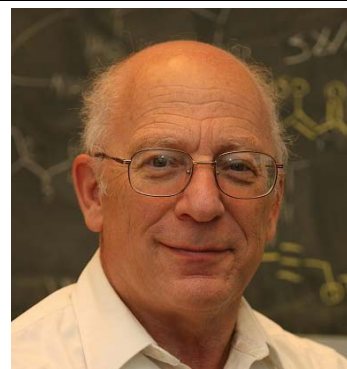
Em. Prof. Bernard Witholt



Dr. Robert J. Farrauto



Prof. Kyriacos C. Nicolaou



Prof. Barry M. Trost



Prof. Ei-ichi Negishi



Prof. Yasuhiro Iwasawa



Prof. Masakatsu Shibasaki



Dr. Shin-ichiro Tawaki