

## Scientific Committee

|                         |   |
|-------------------------|---|
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| Jean-Claude Charpentier | <i>ENSIC CNRS Nancy France</i>                            |
| Jiri Drahos             | <i>Inst. Chem. Process Fundam. Academy of Sciences CR</i> |
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| Koichi Fujie            | <i>Toyohashi University of Technology</i>                 |
| Asterios Gavriilidis    | <i>University College London</i>                          |
| Akira Igarashi          | <i>Kogakuin University</i>                                |
| Sibudjing Kawi          | <i>National University of Singapore</i>                   |
| Toshinori Kojima        | <i>Seikei University</i>                                  |
| Hiroshi Komiyama        | <i>University of Tokyo</i>                                |
| Bhaskar D. Kulkarni     | <i>National Chemical Laboratory, Pune</i>                 |
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| Janez Levec             | <i>University of Ljubljana</i>                            |
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| Guy Marin               | <i>Ghent University</i>                                   |
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| Piyasan Praserttham     | <i>Chulalongkorn University</i>                           |
| Abdul Rahman Mohamed    | <i>Universiti Sains Malaysia</i>                          |
| Albert Renken           | <i>Ecole Polytechnique Federale de Lausanne</i>           |
| Hyun-Ku Rhee            | <i>Seoul National University</i>                          |
| Jesus Santamaria        | <i>University of Zaragoza</i>                             |
| Jaap C. Schouten        | <i>Eindhoven University of Technology</i>                 |
| A. Seidel-Morgenstern   | <i>Max-Planck Inst. &amp; Otto von Guericke Univ.</i>     |
| Moshe Sheintuch         | <i>Technion-Israel Institute of Technology</i>            |
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| Gabriel Wild            | <i>ENSIC CNRS Nancy France</i>                            |
| Koichi Yamada           | <i>Seikei University</i>                                  |
| Wei-Kang Yuan           | <i>East China University of Science and Technology</i>    |
| Po Lock Yue             | <i>Hong Kong University of Science and Technology</i>     |

## Organizing Committee

### Advisory Board

|                     |   |
|---------------------|---|
| Tadatoshi Chiba     | <i>Hokkaido University</i>  |
| Koichi Fujie        | <i>Toyohashi University of Technology</i>                               |
| Shigeo Goto         | <i>Nagoya University</i>  |
| Seiichiro Koda      | <i>Sophia University</i>  |
| Kenji Hashimoto     | <i>Fukui University of Technology</i>                                   |
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| Masayuki Horio      | <i>Tokyo University of Agriculture and Technology</i>                   |
| Kenji Ikari         | <i>Mitsubishi Chemical Corp.</i>  |
| Yoshitaka Izumi     | <i>Sumitomo Chemical Co., Ltd.</i>                                      |
| Masayuki Kamimoto   | <i>National Institute of Advanced Industrial Science and Technology</i> |
| Toshio Mizukami     | <i>National Institute of Advanced Industrial Science and Technology</i> |
| Shigekatsu Mori     | <i>Nagoya University</i>  |
| Tsuneo Moriya       | <i>Sumitomo Bakelite Co., Ltd.</i>                                      |
| Osamu Nagano        | <i>Asahikasei Chemicals Corp.</i>                                       |
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| Koji Ukegawa        | <i>National Institute of Advanced Industrial Science and Technology</i> |
| Koichi Yamada       | <i>Seikei University</i>  |

### Steering Committee

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|------------|--------------------|---|
| Chair      | Hiroshi Komiyama   | <i>University of Tokyo</i>                            |
| Vice chair | Kouichi Miura      | <i>Kyoto University</i>                               |
| Co-chair   | Akira Igarashi     | <i>Kogakuin University</i>                            |
| Co-chair   | Toshinori Kojima   | <i>Seikei University</i>                              |
|            | Takashi Aida       | <i>Tokyo Institute of Technology</i>                  |
|            | Yuichi Fujioka     | <i>RITE</i>   |
|            | Jun-ichiro Hayashi | <i>Hokkaido University</i>                            |
|            | Manabu Ihara       | <i>Tokyo Institute of Technology</i>                  |
|            | Naotsugu Itoh      | <i>Utsunomiya University</i>                          |
|            | Toshihiko Iwasaki  | <i>JFE R&amp;D Corp.</i>                              |
|            | Takami Kai         | <i>Kagoshima University</i>                           |
|            | Hiroyuki Kakiuchi  | <i>Mitsubishi Chemical Corp.</i>                      |
|            | Hideo Kameyama     | <i>Tokyo University of Agriculture and Technology</i> |
|            | Yukitaka Kato      | <i>Tokyo Institute of Technology</i>                  |
|            | Motoaki Kawase     | <i>Kyoto University</i>                               |
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|            | Kazuhiro Mae       | <i>Kyoto University</i>                               |
|            | Takao Masuda       | <i>Hokkaido University</i>                            |
|            | Masahiko Matsukata | <i>Waseda University</i>                              |
|            | Hiroyuki Nakagawa  | <i>Kyoto University</i>                               |
|            | Nobuyoshi Nakagawa | <i>Gunma University</i>                               |
|            | Yuji Sakai         | <i>Kogakuin University</i>                            |
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|            | Yasushi Sekine     | <i>Waseda University</i>                              |
|            | Tadaaki Shimizu    | <i>Niigata University</i>                             |
|            | Tomohiko Tagawa    | <i>Nagoya University</i>                              |
|            | Satoshi Tsuneda    | <i>Waseda University</i>                              |
|            | Atsushi Tsutsumi   | <i>University of Tokyo</i>                            |
|            | Akihiro Yamasaki   | <i>Seikei University</i>                              |

## Call for participation



## ISCRE 20

20th International Symposium on  
Chemical Reaction Engineering

Green Chemical Reaction Engineering  
for a Sustainable Future

*Beyond the Kyoto Protocol*

Sun 7—Wed 10 September 2008  
Kyoto International Conference Center  
Kyoto, JAPAN

ISCRE 20 is hosted by



the Society of Chemical Engineers, Japan

operated by  
the SCEJ Divisions of  
Chemical Reaction Engineering,  
Energy Engineering, and  
Environmental Engineering

and  
the Asia-Pacific Chemical Reaction Engineering  
(APCRE) Working Party.

## Invitation to ISCRE 20

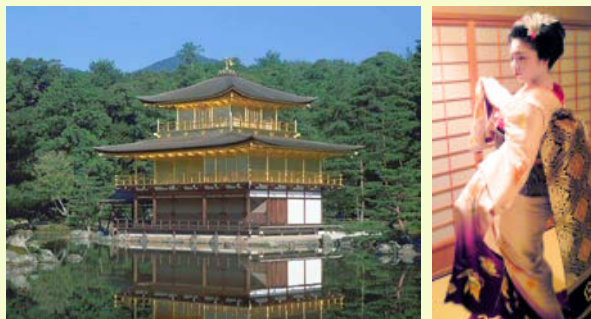
We are honored to host the 20<sup>th</sup> International Symposium on Chemical Reaction Engineering to be held in Kyoto, Japan. The ISCRE 20 meeting theme is "Green Chemical Reaction Engineering for a Sustainable Future". The theme was chosen to be inclusive of a broad range of both modern and traditional chemical reaction engineering topics — from engineering science fundamentals to emerging industrial scale engineering challenges. ISCRE 20 will hopefully contribute to the progressive development of environmentally more benign processes and products beyond the Kyoto Protocol.

We have received a lot of proposal abstracts from 38 countries worldwide. Peer-reviewed and finally selected 311 papers will be presented at oral and poster sessions of ISCRE 20.

## Venue

Kyoto, the cultural heart of Japan, is one of Japan's leading large cities, founded upon the *Heian* Capital, which was Japan's former capital built in 794 AD. Its population of 1.47 million citizens lives in harmony with a natural and cultural environment which has developed over time immemorial. Kyoto has inherited a superb history of tradition and culture established over countless generations. It is also constantly creating new forms of culture and industry with its progressive and revolutionary spirit.

Kyoto International Conference Center (ICC Kyoto; <http://www.kich.or.jp/>) is located at the foot of the northern mountains of Kyoto Basin. ICC Kyoto is connected to the subway station (K01) *Kokusaikaikan* which can be accessed in 20 minutes from Kyoto Station (K11). ICC Kyoto (formerly KICH) was the



first national conference facility in Japan, when it opened in 1966. More than 16,000 conferences and events have been held at ICC Kyoto, including the famous COP 3 meeting at which the Kyoto Protocol was agreed in 1997.

## Topics

### A. ENERGY AND ENVIRONMENT

- Reaction Engineering for Energy and Environment
- Reaction Engineering for Sustainable Development
- Reaction Engineering in Resource Conversion

### B. REACTION ENGINEERING FUNDAMENTALS

- Modeling and Simulation of Reacting Systems
- Microreactors and Microstructured Systems
- Novel Reactors and Process Developments
- Fluidized Bed and Multiphase Reactors

### C. NANOTECHNOLOGY AND NEW TECHNOLOGIES

- Catalysts and Catalytic Reaction Engineering
- Biochemical Reaction Engineering
- Fuel Cells and Electrochemical Reaction Engineering
- Reaction Engineering in Materials Processing

## Special lecture

*Yoshimitsu Kobayashi,*

President & CEO, Mitsubishi Chemical Corporation

## Plenary speakers

1. *Jaap C. Schouten,* Prof., University of Technology Eindhoven
2. *Tadafumi Adschiri,* Prof., Tohoku University
3. *Ferdinand Lippert,* Senior Vice President, Chemical Engineering, BASF
4. *Milorad P. Dudukovic,* Prof., Washington University
5. *Zhenyu Liu,* Prof., Beijing University of Chemical Technology
6. *Dion Vlachos,* Prof., University of Delaware

## Registration

Online registration is available at the ISCRE 20 website: <http://www2.scej.org/iscre20/>.

**Early registration deadline** **Tue 1 July 2008**

| Registration fee      | before/on July 1 | after/on July 2 |
|-----------------------|------------------|-----------------|
| Regular registration  | JPY 60,000       | JPY 70,000      |
| Student registration  | JPY 30,000       | JPY 35,000      |
| Accompanying person   | JPY 10,000       | JPY 10,000      |
| Conference dinner fee | JPY 8,000        | JPY 10,000      |

## Special issues

Special issues of *Chemical Engineering Science* and *Journal of Chemical Engineering of Japan* will be published for the ISCRE 20 papers in Dec. 2008 & Jan. 2009 (JCEJ) and in May 2009 (CES). CD-ROMs of the special issues will be delivered to the registered participants after the conference.

## Symposium Secretariat

ISCRE 20 Secretariat

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Web: <http://www2.scej.org/iscre20/>

## Symposium program outline

|       | Sun 7 Sep                       | Mon 8 Sep   | Tue 9 Sep                                   | Wed 10 Sep  |
|-------|---------------------------------|---|---|---|
| 9:00  |                                 | Opening ceremony<br>Plenary session 1<br>Parallel oral sessions | Plenary session 3<br>Parallel oral sessions | Plenary session 5<br>Parallel oral sessions                   |
| 12:00 |                                 | Lunch   | Lunch                                       | Lunch   |
| 13:00 | Registration<br>Special lecture | Parallel oral sessions<br>Plenary session 2                     | Parallel oral sessions                      | Parallel oral sessions<br>Plenary session 6<br>Closing remark |
| 17:00 | Reception                       | Poster sessions   | Plenary session 4<br>Conference dinner      |   |
| 20:00 |                                 |   |   |   |