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Call for Papers



I SCRE 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

I SCRE 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 20th 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. Communication of recent research and industry issues across these fields will contribute to the progressive development of processes and products that are environmentally more benign beyond the Kyoto Protocol. Papers in the areas concerning frontiers of chemical reaction engineering and environmental and energy reaction engineering are particularly encouraged, but papers from other reaction engineering disciplines are also welcome. The topics are identified below, but the detailed technical program will be finally determined on the basis of the accepted papers.

Topics

A. ENERGY AND ENVIRONMENT

- A1. Reaction Engineering for Energy and Environment
- A2. Reaction Engineering for Sustainable Development
- A3. Reaction Engineering in Resource Conversion

B. REACTION ENGINEERING FUNDAMENTALS

- B1. Molecular Dynamics and Molecular Engineering
- B2. Modeling and Simulation of Reacting Systems
- B3. Microreactors and Microstructured Systems
- B4. Novel Reactors and Process Developments
- B5. Fluidized Bed and Multiphase Reactors

C. NANOTECHNOLOGY AND NEW TECHNOLOGIES

- C1. Catalysts and Catalytic Reaction Engineering
- C2. Biochemical Reaction Engineering
- C3. Reaction Engineering in Materials Processing
- C4. Fuel Cells and Electrochemical Reaction Engineering

D. OTHERS

Abstract preparation & submission

A two-page abstract including figures and tables should be typed single-spaced (12 pt Times Font or equivalent, 2.5 cm margins, page size A4) and should include the title, authors, affiliations, and addresses. Detailed guidelines including an abstract template can be downloaded from the ISCRE 20 website. The abstracts should explicitly identify the objectives, new results, conclusions, and significance of the work.

Electronic abstract files in PDF format should be submitted by file upload at the website:

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

Anybody can appear as a speaker of only one paper. Although a research group can submit more than one abstract, different speakers should be specified.

The selection of presentations (orals and posters) will be based on the review of abstracts by the Scientific Committee.

Manuscript submission & paper publication

Special issues of *Chemical Engineering Science* and *Journal of Chemical Engineering of Japan* will be published for the ISCRE 20 papers. The manuscript accepted by peer review will be published in one of these special issues. The format of manuscripts and the submission procedure will be specified later.

Dates to note

First announcement	September 2006
Opening of the website	September 2006
Call for papers	October 2007
Abstract submission deadline	Tue 15 January 2008
Notification of acceptance	Mon 31 March 2008
Submission of manuscripts	Tue 1 July 2008
Early registration deadline	Tue 1 July 2008
Conference	Sun 7–Wed 10 September 2008
Revised manuscript submission	Wed 15 October 2008
Publication of special issue	Spring '09 (JCEJ), '09(CES)

Symposium Secretariat

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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 City is a place where you can truly savor first-hand a rich depth of culture and art steeped in tradition, and set against the changing backdrop of the four seasons, with each one possessing its own charm.

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, the No. 1 conference center in Japan, including the famous COP 3 meeting at which the Kyoto Protocol was agreed in 1997.