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FIFTH INTERNATIONAL CONFERENCE ON UNSTEADY-STATE PROCESSES IN CATALYSIS



November 22-25, 2006
Suita City, JAPAN



Organized by: Kansai University
Matros Technologies, Inc.

Supported by: Japan Society of Chemical
Engineers, Division of
Reaction Engineering
Catalysis Society of Japan

Kinki Chemical Society

November 22-25, 2006

Suita Osaka JAPAN

INVITATION

Kansai University and Reaction Engineering Division of Japan Society for Chemical Engineers, Catalysis and Catalysts Society of Japan, and Kinki Chemical Society, in collaboration with Matros Technologies, Inc. (USA) invite you to the Fifth International Conference on Unsteady-State Processes in Catalysis (USPC-5).

The conference will be held in Kansai University Campus located in Suita-city just north of Osaka city, Japan, November 22-25, 2006. The conference continues series of meetings held in Novosibirsk, Russia (1990), St-Louis USA (1995), St-Petersburg, Russia (1998), and Montreal Canada (2003).

SCOPE

Unsteady-state operations of catalytic reactors provide plentiful opportunities for research and commercial realization of efficient heterogeneous catalytic processes. Forced unsteady state conditions generate unique distributions of process parameters and catalyst states often unattainable with traditional, steady state operation. The unsteady-states can be created by periodic changes in input flow parameters, such as changes in inlet temperature and composition, catalyst circulation through reaction and regeneration zones, or periodic flow reversals through fixed catalyst bed. This can result in increased productivity, selectivity, capital savings and operating cost reduction (higher energy efficiency).

Efficient environmental technologies for treatment of toxic emissions, acid rain and greenhouse gas emission can also be developed using unsteady-state concept.

The purpose of the USPC-5 is to communicate recent progress in these areas of research and to promote future development. The Conference will favor the establishment of new relations between academia, industry, engineers and scientists from all over the world.

SCIENTIFIC PROGRAM

Traditionally, the USPC Conference includes such broad topics as

- ☐ Dynamic Processes on the Catalyst Surface
- ☐ Fundamental and Applied Aspect of the Dynamic Behavior of Catalytic Reactors
- ☐ Forced Unsteady-State Operations
- ☐ Reactor Operation with Flow Reversal
- ☐ Unsteady-state catalytic reactors for environmental protection
- ☐ Micro Catalytic Reactors

CALL FOR PAPER

Participants who wish to present a paper are invited to submit a two page abstract.

The abstract should be in English, typed on A-4 format or 8.5" x 11" format with 2.5 cm (1") margins. The text must be typed in 1.5 spacing using no less than 10 pt. font size.

Abstract must include the following: title, author's names and affiliation, address, phone, fax, and e-mail. Tables and graphical information will be accepted within the two page limit.

Abstracts should be submitted in MS Word format attached to an e-mail message by December 15 2005 to:

USPC-5 Conference Secretariat

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PRE-REGISTRATION

Those planning to attend the USPC-5 Conference are kindly requested to fill and return the attached Pre-Registration Form. Pre-registration through the USPC-5 home page is also available at:
<http://www.chemeng.titech.ac.jp/~uspc5/index.html>

Key dates:

- | | |
|--------------------------|---------------------------------|
| December 15, 2005 | Abstract submission |
| February 20, 2006 | Notice of acceptance |
| July 20, 2006 | Final program |
| August 30, 2006 | Deadline for early registration |
| November 22, 2006 | Conference |