

Lawrence Berkeley National Laboratory

Recent Work

Title

THIRD INTERNATIONAL SYMPOSIUM ON CATALYST DEACTIVATION & POISONING, JUNE 19-21, 1985

Permalink

<https://escholarship.org/uc/item/1qm2d5wk>

Author

Lawrence Berkeley National Laboratory

Publication Date

1986-04-02

PUB-488

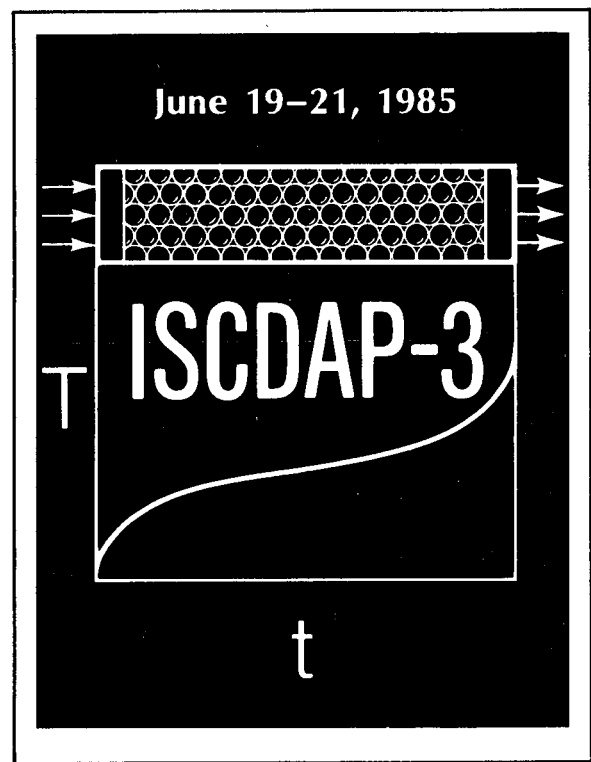
c.1

RECEIVED
LAWRENCE
BERKELEY LABORATORY

APR 2 1986

LIBRARY AND
DOCUMENTS SECTION

THIRD INTERNATIONAL
SYMPOSIUM ON CATALYST
DEACTIVATION & POISONING



Materials and Molecular
Research Division

Lawrence Berkeley Laboratory
University of California

For Reference
Not to be taken from this room

PUB-488
c.1

THIRD INTERNATIONAL SYMPOSIUM ON CATALYST DEACTIVATION AND POISONING

June 19–21, 1985

Lawrence Berkeley Laboratory
University of California

FINAL ANNOUNCEMENT AND REGISTRATION FORM

This international conference deals entirely with phenomena responsible for the decline in catalytic activity with time on stream and the objective of this symposium is to review the recent research concerning a wide range of topics relevant to catalyst deactivation. Interest and activity in catalyst deactivation has increased extensively in the last decade, particularly from the more fundamental point of view. Experts in each of the areas have been invited to present reviews. Sufficient time will be provided for intensive discussions after each presentation.

PROGRAM CHAIRMEN

E.E. Petersen (UC Berkeley, LBL)
A.T. Bell (UC Berkeley, LBL)

CONFERENCE COORDINATOR

Peggy Little
Lawrence Berkeley Laboratory · University of California
Berkeley, California 94720 · (415) 486-6386; FTS 451-6386

PROGRAM AND SPEAKERS

Five half-day sessions will be conducted on the following topics:

WEDNESDAY MORNING, JUNE 19

Theory of Catalyst Deactivation

1. The Poisoning of Catalysts: Experimental Observations and Modelling – J.B. Butt, Northwestern University, Evanston, IL
2. The Fouling of Catalysts: Experimental Observations and Modelling – E.E. Petersen, University of California, Berkeley, CA
3. The Sintering of Supported Metal Catalysts: Experimental Observations and Modelling – S.E. Wanke, University of Alberta, Edmonton, Canada

WEDNESDAY AFTERNOON, JUNE 19

Bimetallic Catalyst Stability

1. Characterization of Catalyst Surfaces by Chemisorptive Gas Titration – P.G. Menon, Chalmers University of Technology, Gothenburg, Sweden
2. Mechanism of Stabilization – M.J. Kelley, E.I. du Pont de Nemours & Co., Wilmington, DE
3. The Role of Sulfur on Catalyst Deactivation – J. Oudar, Ecole Nationale Supérieure de Chimie, Paris, France

DISCLAIMER

This document was prepared as an account of work sponsored by the United States Government. While this document is believed to contain correct information, neither the United States Government nor any agency thereof, nor the Regents of the University of California, nor any of their employees, makes any warranty, express or implied, or assumes any legal responsibility for the accuracy, completeness, or usefulness of any information, apparatus, product, or process disclosed, or represents that its use would not infringe privately owned rights. Reference herein to any specific commercial product, process, or service by its trade name, trademark, manufacturer, or otherwise, does not necessarily constitute or imply its endorsement, recommendation, or favoring by the United States Government or any agency thereof, or the Regents of the University of California. The views and opinions of authors expressed herein do not necessarily state or reflect those of the United States Government or any agency thereof or the Regents of the University of California.

THURSDAY MORNING, JUNE 20

Chemistry and Physics of Catalyst Deactivations

1. Deactivation of Enzymes – E. Katchalski-Katzir, The Weizmann Institute of Science, Rehovot, Israel
2. Deactivation of Fuel Cell Catalysts – Philip Ross, Lawrence Berkeley Laboratory, Berkeley, CA
3. Homogeneous Catalyst Deactivation – Barbara Warren, Union Carbide Corp., South Charleston, WV

THURSDAY AFTERNOON, JUNE 20

1. Characterization of Carbonaceous Residues on Catalysts – A.T. Bell, University of California, Berkeley, CA

Regeneration, Rejuvenation and Reclamation

2. Hydrodesulfurization Catalysts – B.C. Silbernagel, Exxon Research & Engineering Co., Annandale, NJ
3. Redispersion of Metal Catalysts – J. Schoennagel, Mobil Research & Development Co., Princeton, NJ

FRIDAY MORNING, JUNE 21

Structural and Chemical Stabilization of Catalysts

1. Metal Catalysts Supported in Molecular Sieves: Sintering and Poisoning – P. Gallezot, Institute of Catalysis, Villeurbanne, France
2. Support–Metal Interactions to Minimize Sintering – L.D. Schmidt, University of Minnesota, Minneapolis, MN
3. Design of Hydrotreating Catalysts – L.L. Hegedus, W.R. Grace & Co., Columbia, MD

LOCATION

Building 50 Auditorium, Lawrence Berkeley Laboratory, Berkeley, CA 94720

REGISTRATION

A pre-registration fee of \$250 includes both abstracts and proceedings, a banquet on Wednesday, June 19, and a wine and cheese party on June 20. Spouses and guests may attend the social functions; banquet tickets may be purchased for guests using the registration form enclosed. Registration should be completed by May 1, 1985, by returning the registration form with a check (payable to Regents, University of California) to:

Peggy Little – Conference Coordinator
Lawrence Berkeley Laboratory, B80–C
Berkeley, California Telephone: 415/486-6386 FTS: 451-6386

Upon receipt of your fee and registration form, you will be sent a confirmation notice and transportation information.

Pre-registration must be completed by May 1, 1985. The registration fee after that time is \$300. A refund of the registration fee is available (minus a \$25 administrative charge) until May 20, 1985. No refund requests will be honored if postmarked after May 20, 1985.

ACCOMMODATIONS

Blocks of rooms have been reserved at the two hotels below. Participants desiring accommodations should make their own arrangements, using the enclosed reservation request cards. It is advisable when making reservations to include the first night's deposit. It is strongly advised that requests for housing be made as early as possible to ensure availability, but definitely prior to May 21, 1985, when the blocks will be released for sale to the general public. Should you telephone one of these hotels to request a reservation, be sure to identify your reservation with the Catalyst Deactivation Symposium in order to obtain the reduced rate.

CLAREMONT RESORT HOTEL & TENNIS CLUB
ASHBY AND DOMINGO AVENUE
OAKLAND, CALIFORNIA 94623
415/843-3000

\$99.36 per night, single occupancy, including 8% Oakland city tax
\$110.16 per night, double occupancy, including 8% Oakland city tax

The Claremont offers a fully self-contained resort with ten day/night tennis courts, heated Olympic pool with Jacuzzi-equipped spa and saunas, a parcourse, and complimentary transportation to Tilden Golf Course ten minutes away. The hotel has both a restaurant and a coffee shop. The hotel is located in the middle of 22 acres of gardens and trees, and is 20 minutes from the Laboratory by car. Bus transportation to the Symposium will be available.

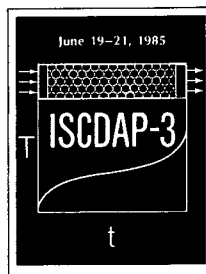
HOTEL DURANT
2600 DURANT AVENUE
BERKELEY, CALIFORNIA 94720
415/845-8981

\$60.50 per night, single occupancy, including 10% Berkeley city tax
\$71.50 per night, double occupancy, including 10% Berkeley city tax

The Hotel Durant is located on the south side of the UC Berkeley campus within easy walking distance to the LBL shuttle bus. The hotel recently has been remodeled as has its restaurant. Room rates include a continental breakfast. Limited parking is available. Bus transportation to the Symposium will be available.

Other hotels in the area, at which no rooms have been blocked, include: Berkeley Marina Marriott, 200 Marina Boulevard, Berkeley (415/548-7920); Best Western Berkeley House Motor Hotel, 920 University Avenue, Berkeley (415/849-1121); Holiday Inn-Bay Bridge, 1800 Powell Street, Emeryville (415/658-9300); and Hotel Shattuck, 2086 Allston Way, Berkeley (415/845-7300).

THIRD INTERNATIONAL
SYMPOSIUM ON CATALYST
DEACTIVATION AND POISONING



June 19-21, 1985
Lawrence Berkeley Laboratory
Berkeley, California

ADVANCE REGISTRATION

DEADLINE FOR ADVANCE REGISTRATION: MAY 1, 1985

First Name *Middle Initial* *Family Name* *Title*

Organization or Affiliation

Street Address

City *State/Province* *Postal Code* *Country*

Daytime Telephone Number (_____)

Name as it should appear on name badge

- Spouse or guest will accompany: (Name: _____)*
- Spouse or guest will attend banquet on June 19, 1985.*

<input type="checkbox"/> <i>Registration fee at \$250 ea (if before May 1, 1985).....\$ _____</i>
<input type="checkbox"/> <i>Registration fee at \$300 ea (if after May 1, 1985)..... _____</i>
<input type="checkbox"/> <i>Spouse/guest banquet ticket at \$40 ea..... _____</i>
<i>TOTAL ENCLOSED \$ _____</i>

*We are unable to accept charge cards.
Please enclose check in U.S. dollars drawn on a U.S. bank
or International Money Order payable to:*

REGENTS, UNIVERSITY OF CALIFORNIA

RETURN THIS FORM WITH YOUR PAYMENT TO:

**Peggy Little, Conference Coordinator
Lawrence Berkeley Laboratory, B80C
Berkeley, California 94720 USA**

SPONSORS

This conference is sponsored by the Materials and Molecular Research Division of the Lawrence Berkeley Laboratory under the auspices of the U.S. Department of Energy. The Division is a fundamental, interdisciplinary laboratory with a mission of research and graduate education in energy sciences. Participating groups are the Departments of Chemistry, Chemical Engineering, Nuclear Engineering, Materials Science and Mineral Engineering, and Physics of the University of California, Berkeley.

INDUSTRIAL SPONSORS

The following industrial sponsors have contributed to the support of this meeting as of March 1, 1985:

Air Products and Chemicals, Inc.
Atlantic Richfield Corp.
Chevron Research Co.
E.I. du Pont de Nemours & Co.
Exxon Research and Engineering Co.
W. R. Grace & Co.
Mobil Research and Development Corp.
Phillips Petroleum Co.
Shell Development Co.
Haldor Topsøe A/C
Union Oil Company of California
United Catalysts, Inc.

PUB-488/2-85

Lawrence Berkeley Laboratory • University of California
Berkeley, California 94720

