



CHEMICAL ENGINEERING DIVISION ACTIVITIES

SUMMER SCHOOL '87

The Summer School for Chemical Engineering Faculty is organized by the Chemical Engineering Division of the American Society for Engineering Education and is held every five years. The 1987 Summer School will be the tenth in the series begun in 1931 and will be held at Southeastern Massachusetts University, North Dartmouth, Massachusetts, on August 9-14, 1987. New developments in chemical engineering education will be discussed, and opportunities will be provided for interaction between faculty members and representatives from industrial firms concerned with the education process. Cochairmen for the 1987 Summer School are Glenn L. Schrader and Maurice A. Larson of Iowa State University, Ames, Iowa 50011.

In January, 1987, a Preliminary Announcement was mailed to all chairpersons of chemical engineering departments in the United States and Canada. Attendance at the Summer School is limited because of constraints on class sizes and accommodations, and the Chemical Engineering Division has elected to have each chairperson select the departmental representative. Based on this response, program and registration material was mailed beginning February 28, 1987. The due date for receipt from the designated representatives of the 1) Program Enrollment Form, 2) Housing and Food Service Reservation and Registration Form, and 3) Poster Session Proposal-to-Present Form was April 15, 1987. Final information regarding the Summer School will be mailed to registrants on June 1, 1987.

The theme of the Summer School will be the revitalization of the chemical engineering curriculum in response to the changing technological needs of modern society. A series of Plenary Sessions and Workshop Blocks have been organized:

● PLENARY SESSIONS ●

Future Curriculum Directions in Chemical Engineering
Industrial Needs in Biotechnology
Industrial Needs in Electronic Materials Processing
Industrial Needs in Advanced Materials and Composites
Computers in Chemical Engineering Education

● WORKSHOPS ●

BLOCK #1 _____

Emerging Technology (G. L. Schrader, Chairman)

- *Electronic Materials Processing I, II, III*
- *Biomedical Engineering I, II*
- *Biochemical Engineering I, II, III*

BLOCK #2 _____

Computers and Computation in Chemical Engineering Education (H. S. Fogler, Chairman)

- *CACH Projects*
- *Microcomputers*
- *Batch Processes*
- *Process Design*
- *Artificial Intelligence I, II*
- *Process Control*
- *Optimization*

BLOCK #3 _____

Applied Chemistry in ChE (J. W. Schwank, Chairman)

- *Applied Thermodynamics I, II*
- *Surface Chemistry I, II, III*
- *Advanced Materials*
- *Electrochemistry I, II*

BLOCK #4 _____

Curricula, Courses and Laboratories (J. C. Friedly, Chairman)

- *Chemical Engineering Curriculum*
- *Safety I, II*
- *Introductory Courses*
- *Design*
- *Scaleup*
- *Undergraduate Laboratories*
- *International Programs*

● THE PLENARY SESSION SPEAKERS AND WORKSHOP LEADERS INCLUDE ●

<i>Timothy J. Anderson</i>	<i>Mark A. Kramer</i>
<i>Jay B. Benzinger</i>	<i>Costas Kravaris</i>
<i>Lorenz T. Biegler</i>	<i>Maurice A. Larson</i>
<i>Theodore W. Cadman</i>	<i>Douglas A. Lauffenburger</i>
<i>Brice Carnahan</i>	<i>Frank P. Lees</i>
<i>Thomas W. Chapman</i>	<i>Richard S. H. Mah</i>
<i>Ali Cinar</i>	<i>Michael F. Malone</i>
<i>Douglas S. Clark</i>	<i>Kenneth N. McKelvey</i>
<i>Clark K. Colton</i>	<i>Duncan A. Mellichamp</i>
<i>Ronald P. Danner</i>	<i>Manfred Morari</i>
<i>Thomas E. Daubert</i>	<i>Stanley I. Proctor</i>
<i>Francis M. Donahue</i>	<i>Clayton J. Radke</i>
<i>James M. Douglas</i>	<i>Gintaras V. Reklaitis</i>
<i>Thomas F. Edgar</i>	<i>Edward C. Roche, Jr.</i>
<i>H. Scott Fogler</i>	<i>Peter R. Rony</i>
<i>Ignacio E. Grossmann</i>	<i>C. T. Sciance</i>
<i>Richard H. Heist</i>	<i>J. D. Seader</i>
<i>Dennis W. Hess</i>	<i>James C. Seferis</i>
<i>Bradley R. Holt</i>	<i>Warren D. Seider</i>
<i>Klavns F. Jensen</i>	<i>Michael L. Shuler</i>
<i>Robert L. Kabel</i>	<i>William H. Smyrl</i>
<i>Jeffrey C. Kantor</i>	<i>Lyle H. Ungar</i>
<i>Iftekhhar Karimi</i>	<i>James Wei</i>
<i>T. A. Kletz</i>	<i>Eduardo. E. Wolf</i>

The annual 3M Award Lecture will be presented at the Summer School on Wednesday, August 12, 1987. A special banquet will also be held that evening. A poster session will also be held to provide participants the opportunity to present additional topics on teaching chemical engineering. Additional special sessions are also being planned. Visits to a variety of special cultural attractions have been arranged.

The Summer School is supported by industrial sponsors. The following companies have made contributions as of April 8, 1987:

Amoco Oil Company
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Shell Development Company
The Standard Oil Company (SOHIO)
3M
Union Carbide Corporation