

RAY W. FAHIEN AWARD

HISTORY: The award was established in 1996 in honor of Ray Fahien, who was Editor of *Chemical Engineering Education* from 1967-1995 and who was effectively the founding father of the journal, establishing it as a premier publication vehicle in the field of chemical engineering education. Professor Fahien selflessly gave his time and talents to advance pedagogical scholarship, particularly in the careers of young educators, through his dedication to the journal and to the profession.

CRITERIA: Given annually to an educator who has demonstrated a scholarly approach to teaching and learning and who has shown evidence of vision and contribution to chemical engineering education. Educators who have been faculty members for not more than ten years as of July 1st in the year of the award will be eligible.

Nominees will be evaluated based on two equally weighed criteria: 1) **Outstanding teaching effectiveness.** Demonstrated evidence of excellence in the training of undergraduate and/or graduate students in the classroom or through supervision of independent study projects; 2) **Educational scholarship.** The award recipient should have made significant contributions to chemical engineering education that goes beyond his or her own institution.

The award will consist of \$1,000 and a recognition plaque.

Nominations are solicited annually through ASEE or the Chemical Engineering Division. The deadline for nominations is normally January 15th of the year of the award.

The awardee should be selected no later than March 15th of the year in which the presentation will be made. The editorial offices of *CEE* should be notified immediately so that a check and a plaque can be prepared for presentation at the banquet during the annual June meeting of the ASEE.

COMMITTEE: The selection committee consists of:

One member of the *CEE* Publications Board and two recent recipients of the award. Committee members will serve for three years and rotate off the committee.

1997: Dendy Sloan will name a committee all from the CEE Publication Board to start the process. One Board member will rotate off each year and be replaced by the most recent recipient until steady state is reached.

1998 Committee: Richard Seagrave (Chair), Dendy Sloan (Chair-Elect), Kirk Schulz

PRIOR WINNERS

1997 - Kirk Schulz

CACHE AWARD

CRITERIA: Given in recognition of outstanding contributions in the use of computers in chemical engineering education.

The award consists of \$1,000 and a recognition plaque.

Nominations are solicited annually through ASEE or the Chemical Engineering Division. The deadline for nominations is normally January 15th of the year of the award.

The awardee should be selected no later than March 1st of the year in which the presentation will be made. The CACHE Corporation should be informed of the winner's name immediately so it can write a check to the recipient for presentation at the banquet during the annual June meeting of the ASEE. The office of the journal *Chemical Engineering Education* should also be notified by March 15th in order to allow sufficient time to have a plaque made.

COMMITTEE: The selection committee consists of:

A CACHE member, who, if possible, is either a Division executive committee member or an active Division member, along with two recent recipients of the award. Committee members will serve for three years and rotate off the committee.

1998 Committee: Ken Jolls (Chair), Susan Montgomery (past Chair), and Doug Cooper (1999 Chair)

PRIOR WINNERS:

1996 Ken Jolls, Iowa State University

1997 Doug Cooper, University of Connecticut

CORCORAN AWARD

Sponsored by Bayer Corporation

CRITERIA: Awarded for the best paper published in *Chemical Engineering Education* (Winter, Spring, Summer, Fall issues) during the year prior to the award.

Manuscripts should be judged on creativity, originality, long-term relevance to chemical engineering, sophistication, timeliness, and writing style. NOTE: Published Award Lectures, departmental, and educator papers should not be considered for this award since they are “invited” papers.

The awardee should be selected no later than March 1st of the year in which the presentation will be made, and the editorial offices of *CEE* should be notified immediately so that a plaque can be ordered. Presentation is made at the banquet during the annual June meeting of ASEE.

In December of each year, *CEE* will notify the Selection Committee Chairperson of the criteria, committee make-up, and time restrictions for this award.

COMMITTEE: The selection committee shall consist of:

ChE Division Chairperson-Elect (who acts as Committee Chairperson), the editor of *CEE*, and the immediate past recipient of the award.

The Selection Committee Chairperson shall also notify the awardee(s) (requesting his or her attendance at the banquet), the ChE Division Newsletter editor, and the Chairperson of the ChE Division.

1999 Committee: Michael Cutlip (Chair), Tim Anderson, J. M. Haile

PRIOR WINNERS:

- 1986 Richard M. Felder • “Cheating-An Ounce of Prevention...or The Tragic Tale of the Dying Grandmother
- 1987 R. Byron Bird • “Hougen’s Principles”
- 1988 C. Thomas Sciance • “Chemical Engineering in the Future”
- 1989 Robert L. Kabel • “Instruction in Scaleup”
- 1990 E. Dendy Sloan • “Extrinsic versus Intrinsic Motivation in Faculty Development”
- 1991 John M. Prausnitz, Davor P. Sutija • “Chemical Engineering in the Spectrum of Knowledge”
- 1992 Robert G. Squires, G.V. Reklaitis, N.C. Yeh, J.F. Mosey, I.A. Karimi, P.K. Andersen • “Purdue-Industry Computer Simulation Modules: The Amoco Resid Hydrotreater Process”
- 1993 Noel de Nevers • “Product in the Way’ Processes”
- 1994 Donald R Woods, Rebecca Sawchuk • “Fundamentals of Chemical Engineering”
Stuart Churchill • “Mathematics”
Richard Felder • “Knowledge Structure of the Stoichiometry Course”
John P. O’Connell • “Thermodynamics”
R. Byron Bird • “The Basic Concepts in Transport Phenomena”
H. Scott Fogler • “An Appetizing Structure of Chemical Reaction Engineering for Undergraduates”
- 1995 John P. O’Connell, Michael Abbott, et al. • “A Field Guide to the Excess Functions”
- 1996 David Ollis • “The Research Proposition”
- 1997 Edwin N. Lightfoot • “Evolution for Chemical Engineers”
- 1998 J.M. Haile • Toward Technical Understanding

MARTIN AWARD

HISTORY: Given annually since 1986, the award was established in memory of Joseph J. Martin, who had been a professor of chemical engineering at the University of Michigan and a stalwart ASEE activist for many years, having served as President of the ASEE as well as AIChE during his lifetime.

CRITERIA: Bestowed for the best paper presented in Chemical Engineering Division sponsored sessions at the annual meeting of the American Society for Engineering Education. All submitted papers in ChE Division sponsored sessions are eligible for consideration. No nominations are accepted

The purpose of the award is to recognize and encourage outstanding contributions to chemical engineering education. The contribution may be in any area of chemical engineering teaching, practice, or theory. The judging committee will consider the effectiveness of the oral presentation, the quality of the content, the timeliness and potential lasting values of the contribution. The award will be given to the presenter of jointly written papers, with recognition plaques for coauthors.

The awardee should be selected and notified no later than March 1st of the year following the presentation, and the editorial offices of *CEE* should be notified immediately so that a plaque can be ordered. Presentation is made at the banquet during the annual June meeting of ASEE in the year after the meeting in which the presentation was given

In December of each year, *CEE* will notify the Selection Committee Chairperson of the criteria, committee make-up, and time restrictions for next year's award. *CEE* will also notify the previous year's selection committee to finalize their decision and notify *CEE*, awardee(s), and division officers.

COMMITTEE: The selection committee consists of:

ChE Division Program Chair (who acts as Committee Chairperson), the ChE Division Secretary/Treasurer, and the ChE Division Program-Chair Elect

The Selection Committee Chairperson shall also notify the awardee(s) (requesting his or her attendance at the banquet), the ChE Division Newsletter editor, and the Chairperson of the ChE Division.

1998 Committee: Kirk Schulz (Chair), Mike Cutlip (1998 Program Chair), Bill Conger (Division Secretary-Treasurer)

1999 Committee: Mike Cutlip (Chair), Doug Hirt (1999 Program Chair), Bill Conger (Division Secretary-Treasurer)

PRIOR WINNERS FOR PAPER PRESENTED AT ANNUAL CONFERENCE IN PREVIOUS YEAR:

1987	David Himmelblau, University of Texas
1989	Nam Sun Wang, University of Maryland
1990	John W. Hoopes, Widener University
1991	Richard C. Bailie, West Virginia University
1992	Steven LeBlanc, University of Toledo
1993	Thomas Regan, University of Maryland
1994	William K. Durfee, Massachusetts Institute of Technology
1995	Bruce Finlayson, University of Washington Brigette M. Rosendall
1996	Dennis Miller, Michigan State University
1997	Rebecca K. Toghiani

ChE DIVISION LECTURESHIP AWARD

CRITERIA: The listed qualifications are

- Technical achievement accepted by colleagues, with promise of further significant contributions.
- Improvements of lasting influence to chemical engineering education through a) books, technical articles, laboratory, or teaching equipment, and b) demonstration of success as a teacher.
- Evidence of ability to do original, sound, and productive research.
- Participation in professional and educational societies.

These four criteria have usually been interpreted that the nominee must have had significant impact in both research and education. (A few candidates with only research or only educational credentials have, however, won the award.) If a point system is used, awarding five points to each item (1, 2a, 2b, 3, and 4) results in an even split between technical (research) achievement and educational achievement.

A typical voting procedure is to have each of the three committee members rank order his/her choice, listing the top four nominees. The chairperson then looks for consensus, and if there are two outstanding nominees, a telephone conference should break the impasse. The following criteria appear often in the selection process:

- Research articles (and to a significantly lesser extent, research grants) are used to evaluate items 1 and 3. Letters are helpful for determining impact and acceptance.
- Textbooks, particularly widely adopted undergraduate textbooks, count heavily for item 2a.
- Teaching awards and letters from former students count for item 2b.
- AIChE is the most common professional society, while ASEE is the most common education society (item 4). Leadership activity is used to evaluate interest in both.
- Many committee members do not want to automatically give the award to nominees who have recently won a major AIChE award. Instead, all things being equal, there has been a concerted attempt to present the Lectureship Award to deserving nominees who have not won a host of other awards. Many times the ChE Division has recognized academics who subsequently won major AIChE awards.

COMMITTEE: The selection committee shall consist of:

Three members, each assigned for a 3-year term. Each year the ChE Division chairperson appoints one new committee member. The first year the member is a voting member and learns the mechanics of the award; the second year the member serves as the chairperson and is responsible for insuring the committee reaches a decision and for conveying the results to ASEE headquarters and the Division chair; in the third year the member is past-chairperson and serves as a voting member with responsibilities of oversight.

Experiments have shown that the number of nominations is approximately doubled if either the Award Committee Chair or the ChE Division Chair writes a letter to all ChE department chairs.

A typical timetable is:

- **Early November** - letter from Division Chair to department chairs requesting nominations.
- **January 15th** - Nominations due at ASEE headquarters. Date set by headquarters
- **Early February** - Nominations distributed to committee members by ASEE
- **Early March** - Chair sends results to ASEE headquarters and to Division Chair.
- **Late March** - Awards Chair informs winner. Information on the winner's professional history should be requested and forwarded to the offices of *CEE* so that the award brochure and the plaque can be prepared. An announcement should be sent to all committee members, to Chair of the ChE Division, ChE Division Program Chair (or Summer School Chair), Editor of *CEE*, to sponsor of the award, and to the nominator. Awards chair should inform all other nominators that "due to the large number of exceptional nominees, their nominee did not receive the award." Chair should send a list of all nominees and nominators to next year's Award Chair - these lists should be collected and forwarded every year.
- **Mid-June** - When there is no ChE Division summer school, the lecture is presented at the ASEE Annual Conference. The award plaque is presented at the lecture or at the ChE Division Banquet by the Division Chair.
- **Late July** - When there is a ChE Division summer school, the award lecture is given there. The award plaque is presented at the lecture or at the banquet by the Division Chairperson.
- **Fall** - Subsequent to the lecture's presentation, a manuscript should be sent to *CEE* for publication.

1998 Committee: Phil Wankat (Chair), Stan Middleman (Past-Chair), Dianne Dorland (member)