



Activities Directory 2011

AIChE[®]
American Institute of Chemical Engineers

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About AIChE

Founded in 1908, the American Institute of Chemical Engineers (AIChE) is a professional association of 40,000 chemical engineers worldwide. AIChE fosters and disseminates chemical engineering knowledge, supports the professional and personal growth of its members, and applies the expertise of its members to address societal needs and improve the quality of life.

AIChE Vision

AIChE provides value as:

- **the global leader** of the chemical engineering profession
- **the lifetime center** for professional and personal growth and security of chemical engineers, and
- **the foremost catalyst** in applying chemical engineering expertise in meeting societal needs

AIChE Mission

AIChE will:

- promote excellence in chemical engineering education and global practice
- advance the development and exchange of relevant knowledge
- uphold and advance the profession's standards, ethics and diversity
- enhance the lifelong career development and financial security of chemical engineers through products, services, networking, and advocacy
- stimulate collaborative efforts among industry, universities, government, and professional societies
- encourage other engineering and scientific professionals to participate in AIChE activities
- advocate public policy that embraces sound technical and economic information and that represents the interests of chemical engineers
- facilitate public understanding of technical issues
- achieve excellence in operations of the Institute

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Past Officers & Directors

Presidents (for the past 50 years)

M. K. Burka	2011
H. T. Kohlbrand	2010
H. S. Fogler	2009
D. L. Keairns	2008
L. B. Evans	2007
J. C. Chen	2006
J. J. Siirola	2005
W. D. Byers	2004
D. Dorland	2003
S. F. Sapakie	2002
C. B. Cobb	2001
B. A. Finlayson	2000
G. J. Frohlich	1999
V. W. Weekman, Jr.	1998
T. F. Edgar	1997
B. C. Doumas	1996
D. B. Nelson	1995
E. L. Cussler	1994
E. J. Bassler	1993
G. L. Leach	1992
A. E. Humphrey	1991
S. E. Isakoff	1990
E. R. H. McDowell	1989
J. Wei	1988
S. I. Proctor	1987
H. S. Kemp	1986
J. P. Sachs	1985
J. H. Sanders	1984
R. H. Marshall	1983
R. R. Hughes	1982
W. K. Davis	1981
J. G. Knudsen	1980
J. Y. Oldshue	1979
W. H. Corcoran	1978
A. S. West	1977
K. D. Timmerhaus	1976
K. E. Coulter	1975
I. Leibson	1974
T. Weaver	1973
T. W. Tomkowit	1972
J. J. Martin	1971
A. L. Conn	1970
H. D. Guthrie	1969
M. S. Peters	1968
T. A. Burtis	1967
S. W. Churchill	1966
W. B. Franklin	1965
D. A. Dahlstrom	1964
W. R. Marshall	1963
J. J. McKetta	1962

President-Elect*

David A. Rosenthal	2011
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*Since the President-Elect automatically succeeds to the presidency in the following year, previous holders of this office are listed as Presidents only.

Secretaries (for the past 56 years)

K. L. Ogden	2010-2012
S. D. Love	2007-2009
O. A. Shelton	2004-2006
J. C. Chen	2001-2003
R. Lee	1998-2000
C. E. Carroll	1995-1997
R. K. Traeger	1992-1994
M. J. Markette	1989-1991
F. V. Tebo	1988
J. F. Mathis	1987
J. C. Forman	1978-1987
F. J. Van Antwerpen	1955-1978

Executive Directors (for the past 56 years)

J. C. Wispelwey	2009-present
J. A. Sofranko	2001-2009
G. E. Taylor	1996-2001
R. E. Emmert	1988-1996
J. F. Mathis	1988
J. C. Forman	1978-1987
F. J. Van Antwerpen	1955-1978

Treasurers (for the past 41 years)

A. R. Da Costa	2011-2013
F. J. Krambeck	2008-2010
D. A. Rosenthal	2002-2007
J. W. Prados	1996-2001
R. Lee	1990-1995
J. Y. Oldshue	1983-1989
E. A. Weinman	1981-1982
W. R. Marshall	1976-1980
A. S. West	1973-1975
T. A. Burtis	1970-1972

Directors (for the past 41 years)

T. B. Calloway	2011-2013
K. V. Jacob	2011-2013
F. E. Self	2011-2013
K. S. Ziemer	2011-2013
M. M. Alger	2010-2012
R. C. Armstrong	2010-2012
C. K. Hall	2010-2012
C. A. Wall-Warren	2010-2012
T. M. Connelly	2009-2011
D. Griffith	2009-2011
C. B. Seymour	2009-2011
N. Yeoman	2009-2011
J. S. Curtis	2008-2010
J. C. Tao	2008-2010
G. Towler	2008-2010
P. R. Westmoreland	2008-2010
L. Dallbauman	2007-2009
I. E. Grossmann	2007-2009
C. I. Teich	2007-2009
W. C. Young	2007-2009
R. Agrawal	2006-2008

A. A. Avidan	2006-2008
T. R. Hanley	2006-2008
J. R. Swartz	2006-2008
A. R. Da Costa	2005-2007
D. L. Grubbe	2005-2007
H. T. Kohlbrand	2005-2007
N. Yeoman	2005-2007
M. K. Burka	2004-2006
C. S. Grant	2004-2006
D. L. Keairns	2004-2006
K. L. Ogden	2004-2006
S. D. Love	2003-2005
M. P. Ramage	2003-2005
G. Stephanopoulos	2003-2005
P. Winkler	2003-2005
S. Dudley	2002-2004
P. B. Lederman	2002-2004
J. B. Porter	2002-2004
R. H. Smith	2002-2004
B. A. Hacker	2001-2003
D. C. Hendershot	2001-2003
J. C. Hill	2001-2003
M. L. Shuler	2001-2003
E. R. Beaver	2000-2002
F. J. Krambeck	2000-2002
N. A. Peppas	2000-2002
O. A. Shelton	2000-2002
D. Dorland	1999-2001
K. L. Fullerton	1999-2001
S. O. Oyekan	1999-2001
J. J. Siirola	1999-2001
L. Brannon-Peppas	1998-2000
F. E. Lockwood	1998-2000
J. V. Porcelli	1998-2000
E. F. Take	1998-2000
W. D. Byers	1997-1999
R. L. Goodmark	1997-1999
S. L. Matson	1997-1999
G. V. Reklaitis	1997-1999
J. L. Duda	1996-1998
W. R. Gustafson	1996-1998
S. F. Sapakie	1996-1998
S. L. Torrence	1996-1998
J. C. Chen	1995-1997
C. B. Cobb	1995-1997
H. S. Fogler	1995-1997
D. A. Rosenthal	1995-1997
B. J. Hays	1994-1996
I. W. Osborne-Lee	1994-1996
B. R. Rodgers	1994-1996
D. R. Eckhardt	1993-1996
E. M. Bower	1993-1995
J. J. Cramer	1993-1995
G. J. Frohlich	1993-1995
S. C. Weiner	1993-1995
C. E. Carroll	1992-1994
B. A. Finlayson	1992-1994
N. N. Li	1992-1994
W. R. Schowalter	1992-1994
A. T. Bell	1991-1993
H. J. Corbett	1991

T. B. Langevin	1991-1993	W. D. Seider	1984-1986	J. M. Fox III	1976-1978
A. E. Wechsler	1991-1993	D. B. Nelson	1983-1985	A. E. Humphrey	1976-1978
E. L. Cussler	1990-1992	J. D. Seader	1983-1985	R. L. Jacks	1976-1978
J. C. Heiman	1990-1992	L. O. Stine	1983-1985	B. I. MacDonald	1976-1978
B. G. Perry	1990-1992	A. A. Winker	1983-1985	J. B. Butt	1975-1977
R. W. Rosseau	1990-1992	L. F. Albright	1982-1984	A. V. Caselli	1975-1977
R. C. Alkire	1989-1991	F. J. Endelman	1982-1984	C. C. Neas	1975-1977
T. F. Edgar	1989-1992	E. R. H. McDowell	1982-1984	J. W. Prados	1975-1977
J. H. Seinfeld	1989-1991	S. I. Proctor	1982-1984	J. A. Babcock	1974-1976
V. W. Weekman, Jr.	1989-1991	R. F. Anderson	1981-1983	D. M. Himmelblau	1974-1976
J. M. Braus	1988-1990	H. T. Brown	1981-1983	H. L. Hoffman	1974-1976
E. M. Drake	1988-1990	L. B. Evans	1981-1983	J. G. Knudsen	1974-1976
T. O. Mensah	1988-1990	H. S. Kemp	1981-1983	C. S. Cronan	1973-1975
C. D. Scott	1988-1990	J. A. Buckham	1980-1982	G. A. Lessells	1973-1975
C. J. King	1987-1989	L. C. Eagleton	1980-1982	W. R. Pavelchek	1973-1975
A. M. Butchello	1987-1989	J. P. Sachs	1980-1982	W. A. Schnyder	1973-1975
P. V. Tebo	1987-1989	J. H. Sanders	1980-1982	K. B. Bischoff	1972-1974
R. K. Traeger	1987-1989	B. C. Dumas	1979-1981	W. K. Davis	1972-1974
P. L. T. Brian	1986-1988	T. H. Goodgame	1979-1981	W. R. Earley	1972-1974
G. L. Leach	1986-1988	H. M. Rodekohr	1979-1981	K. D. Timmerhaus	1972-1974
D. Luss	1986-1988	C. R. Vander Linden	1979-1981	C. H. Chilton	1971-1972
K. L. Mai	1986-1988	F. A. M. Buck	1978-1980	W. H. Corcoran	1971-1973
E. J. Bassler	1985-1987	H. W. Flood	1978-1980	K. E. Coulter	1971-1973
P. S. Chappellear	1985-1987	R. H. Marshall	1978-1980	R. B. Filbert, Jr.	1971-1973
R. Lee	1985-1987	E. A. Weinman	1978-1980	E. O. Ohsol	1973
D. S. Maisel	1985-1987	L. L. Fellinger	1977-1979	E. L. Ekholm	1970-1972
W. W. Grimes	1984-1986	S. E. Isakoff	1977-1979	J. Y. Oldshue	1970-1972
M. J. Markette	1984-1986	P. H. McNamara	1977-1979	J. Wei	1970-1972
J. F. Mathis	1984-1986	M. P. Skillern	1977-1979	R. E. White	1970-1972

The Operating Councils work with the various entities that make up AIChE—Divisions, Forums, Committees, Local Sections, Student Chapters, etc.—to assure that they are aligned with the needs of the members and with each other.

Career & Education

The Career & Education Operating Council (CEOC) is focused on the “lifetime center” concept of membership. Accountabilities include professional development, career and financial services, and AIChE’s role in chemical engineering degreed education.

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Entities Reporting to the Career & Education Operating Council:

- Career Services
- Education and Accreditation
- Education Services
- Local Sections
- Membership
- Professional Development
- Safety and Chemical Engineering Education (SACHE)
- Speaker’s Corner
- Student Chapters
- Technician’s Affairs
- Young Professionals Advisory Board

Chemical Engineering Technology

The Chemical Engineering Technology Operating Council (CTOC) is responsible for two major areas: first, the frontiers of chemical engineering—in other words, knowledge advancement; and second, the dissemination of that knowledge. Accountabilities include meetings, publications, and some of AIChE’s Technological Communities.

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Entities Reporting to the Chemical Engineering Technology Operating Council:

- Equipment Testing Procedures
- Program
- Publication
- Research and New Technology
- All Divisions and Forums
- Technological Communities

Societal Impact

The Societal Impact Operating Council (SIOC) is leading efforts to define how chemical engineers can most effectively address societal needs. Accountabilities include outreach and public policy, diversity of the profession, and the global business environment.

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Ramesh Rameswaran

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Email: timm@aiche.org

June C. Wispelwey, *Staff Liaison*

Tel: 646-495-1310

Email: junew@aiche.org

Entities Reporting to the Societal Impact Operating Council:

- Government Relations
- Minority Affairs
- Women's Initiatives

The AIChE Foundation seeks financial contributions from members, other individuals, corporations, and foundations to provide an additional source of income to carry out the activities of the Institute. The Foundation is governed by the AIChE Foundation Board of Trustees and operates under the auspices of the AIChE Board of Directors. The AIChE Foundation welcomes inquiries and requests for information.

Please contact:

Cathy Diana, *Director, AIChE Foundation*
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 Tel: 646-495-1340
 Email: giving@aiiche.org

As of March 1, 2011

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Thomas F. Edgar, *Past Chair*
 Email: edgar@che.utexas.edu

James B. Porter, *Vice Chair*
 Email: porterjb@comcast.net

Trustees

Luke E. Achenie
 Neil L. Book
 James M. Braus***
 Maria K. Burka**
 William D. Byers
 Bond Calloway
 Connie E. Carroll
 Robert P. Chambers
 Chen-Hwa Chiu
 Brian S. Daly
 Dianne Dorland
 Basil (Bill) C. Doumas
 H. Scott Fogler
 Rafiqul Gani
 Eduardo D. Glandt
 Deborah L. Grubbe
 Carol K. Hall
 Thomas R. Hanley
 Michael T. Harris
 Louis C. Hegedus
 Dennis C. Hendershot
 Dale L. Keairns
 Sangtae Kim
 Henry "Hank T. Kohlbrand**
 Peter B. Lederman
 Norman N. Li
 Thomas R. Marrero
 Duncan A. Mellichamp
 Edward R. H. McDowell***
 John J. McKetta*

Thomas O. Mensah
 Rodolphe L. Motard
 David N. Myers
 Kimberly L. Ogden
 Soni O. Oyekan
 Angelo Perna
 Syamal K. Poddar
 John W. Prados
 Stanley I. Proctor***
 Gintaras "Rex" V. Reklaitis
 John P. Sachs***
 Darlene S. Schuster
 Jocelyn E. Scott
 Warren D. Seider
 Otis A. Shelton
 Robert H. Smith
 John A. Sofranko
 Gregory N. Stephanopoulos
 Glenn E. Taylor
 Matthew V. Tirrell
 James A. Trainham
 Darsh T. Wasan
 Vern W. Weekman
 James Wei
 June C. Wispelwey**

*Honorary
 **Ex-Officio
 ***Emeritus

Technological Communities achieve operational excellence by leveraging resources of industry, government, academia, engineering, and others in the areas of process safety (CCPS), safety and chemical engineering education (SACHE), biological engineering (SBE), environmental stewardship and sustainable business and engineering (IFS), energy and alternative fuel systems (Center for Energy Initiatives [CEI]), physical property data research (DIPPR), and emergency relief systems (DIERS).

www.aiche.org/technicalsocieties

Center for Energy Initiatives (CEI)

The establishment of the CEI was approved by the AIChE Board of Directors in June 2010. The CEI was formed to respond to the global energy challenge that requires implementing a response beyond our traditional discipline boundaries. The primary function of CEI is to identify, launch and incubate new projects and initiatives. These projects and initiatives are focused on crossing the boundaries of existing AIChE entities working in the energy area to enable multi-disciplinary projects. The CEI activities leverage the work of existing AIChE entities and enhance their service to members. The work will include establishing partnerships within and external to AIChE. A product of these activities will be to extend the recognition of AIChE as a technical leader in the field of energy and to more effectively serve members, the profession and society.

www.aiche.org/energy

Darlene Schuster, Executive Director, CEI

Tel: 410-458-5870

Email: darls@aiche.org

Dale Keairns, Chair

Booze Allen Hamilton

Tel: 423-432-9546

Email: keairns_dale@bah.com

Center for Chemical Process Safety (CCPS)

CCPS was established in 1985 to focus on engineering and management practices that can prevent and mitigate catastrophic accidents involving release of hazardous materials. CCPS, supported by sponsors in the chemical and hydrocarbon process industries, is active worldwide through its program of publishing guidelines books, presenting global process safety conferences, managing safety databases, developing undergraduate engineering curriculum and industrial educational material, and conducting research in process safety.

www.aiche.org/CCPS

Scott Berger, Executive Director, CCPS

Tel: 646-495-1370 Fax: 646-495-1504

Email: scotb@aiche.org

Peter N. Lodal, Chair, CCPS Planning Committee

Eastman Chemical Company

Tel: 423-229-2675

Email: pnlodal@eastman.com

Design Institute for Emergency Relief Systems (DIERS)

Formed in 1976, the Design Institute for Emergency Relief Systems (DIERS) promotes discussion of techniques and technologies to reduce the frequency, severity and consequences of pressure producing accidents, and improve the design of emergency relief systems.

www.aiche.org/DIERS

Harold G. Fisher, Chair

Tel: 304-776-6371

Email: fisherhg@charter.net

Scott Berger, Director, CCPS, Chemicals, and Sales

Tel: 646-495-1370

Email: scotb@aiche.org

Design Institute for Physical Properties (DIPPR)

Founded in 1978, the Design Institute for Physical Properties (DIPPR) has the mission to be the world's best source of critically evaluated thermophysical, environmental, safety, and health property data. Data and estimation methods developed in DIPPR projects are used by leading chemical, petroleum, and pharmaceutical companies throughout the world to improve productivity, reduce cost, assure successful scale-up, and aid in environmental, health and safety compliance.

www.aiche.org/DIPPR

Joseph Rogers, Operations Manager

Tel: 914-552-7660

Email: jorogers@aiche.org

Ryan Hulse, Chair, Administrative Committee

Tel: 716-827-6372

Email: ryan.hulse@honeywell.com

Ashok Dewan, Chair, Technical Committee

Shell Global Solutions (US), Inc.

Scott Berger, Director, CCPS, Chemicals, and Sales

Tel: 646-495-1370

Email: scotb@aiche.org

Evolution in Chemical and Biological Engineering Education

In recent years, a number of chemical engineering departments have changed their program names and curricula to reflect a shared focus on biology and chemistry. Below is a list of accredited undergraduate chemical engineering programs whose official names have incorporated 'bio'.

Brown University, Providence, RI, Chemical and Biochemical Engineering

Christian Brothers University, Memphis, TN, Chemical and Biochemical Engineering

Clemson University, Clemson, SC, Chemical and Biomolecular Engineering

Cleveland State University, Cleveland, OH, Chemical and Biomedical Engineering

Colorado School of Mines, Boulder, CO, Chemical and Biochemical Engineering

Colorado State University, Fort Collins, CO, Chemical and Biological Engineering

Cornell University, Ithaca, NY, Chemical and Biomolecular Engineering

Dartmouth College, Hanover, NH, Biotechnology and Biochemical Engineering

Drexel University, Philadelphia, PA, Chemical and Biological Engineering

Florida A & M University/Florida State University (FAMU-FSU), Tallahassee, FL, Chemical and Biomedical Engineering

Georgia Institute of Technology, Atlanta, GA, Chemical and Biomolecular Engineering

Illinois Institute of Technology, Chicago, IL, Chemical and Biological Engineering

Iowa State University, Ames, IA, Chemical and Biological Engineering

The Johns Hopkins University, Baltimore, MD, Chemical and Biomolecular Engineering

Massachusetts Institute of Technology, Cambridge, MA, Biological Engineering

Montana State University–Bozeman, Bozeman, MT, Chemical and Biological Engineering

North Carolina State University at Raleigh, Raleigh, NC, Chemical and Biomolecular Engineering

Northwestern University, Evanston, IL, Chemical and Biological Engineering

NYU Polytechnic University, Brooklyn, NY, Chemical and Biomolecular Engineering

Ohio State University, Columbus, OH, Chemical and Biomolecular Engineering

Ohio University, Athens, OH, Chemical and Biomolecular Engineering

Princeton University, Princeton, NJ, Chemical and Biological Engineering

Rensselaer Polytechnic Institute, Troy, NY, Chemical and Biological Engineering

Rice University, Houston, TX, Chemical and Biomolecular Engineering

Rutgers, The State University of New Jersey, Piscataway, NJ, Chemical and Biochemical Engineering

South Dakota School of Mines and Technology, Rapid City, SD, Chemical and Biological Engineering

State University of New York at Buffalo, Buffalo, NY, Chemical and Biological Engineering

Stevens Institute of Technology, Hoboken, NJ, Chemical, Biomedical and Materials Engineering

Syracuse University, Syracuse, NY, Biomedical and Chemical Engineering

Tri-State University, Angola, IN, Chemical and Bioprocess Engineering

Tufts University, Medford, MA, Chemical and Biological Engineering

Tulane University, New Orleans, LA, Chemical and Biomolecular Engineering

University of Akron, Akron, OH, Chemical and Biomolecular Engineering

University of Alabama, Tuscaloosa, AL, Chemical and Biological Engineering

University of Arkansas, Fayetteville, AR, Biological and Agricultural Engineering

University of California, Los Angeles, Los Angeles, CA, Chemical and Biomolecular Engineering

University of Colorado, Boulder, CO, Chemical and Biological Engineering

University of Connecticut, Storrs, CT, Chemical, Materials and Biomolecular Engineering

University of Houston, Houston, TX, Chemical and Biomolecular Engineering

University of Illinois at Urbana-Champaign, Urbana, IL, Chemical and Biomolecular Engineering

University of Maine, Orono, ME, Chemical and Biological Engineering

University of Maryland, Baltimore County, Baltimore, MD, Chemical and Biochemical Engineering

University of Maryland, College Park, College Park, MD, Chemical and Biomolecular Engineering

University of Michigan, Ann Arbor, MI, Chemical and Biological Engineering

University of Missouri-Rolla, Rolla, MO, Chemical and Biological Engineering

University of Notre Dame, Notre Dame, IN, Chemical and Biological Engineering

University of Oklahoma, Norman, OK, Chemical, Biological and Materials Engineering

University of Pennsylvania, Philadelphia, PA, Chemical and Biomolecular Engineering

University of Wisconsin, Madison, WI, Chemical and Biological Engineering

Washington State University, Pullman, WA, Chemical Engineering and Bioengineering

Many departments not listed here are in the process of a name change. Others see fit to maintain their original name and have 'bio-' concentrations or tracks or offer a biochemical degree within the Chemical Engineering Department. Some universities have separate departments in Biomedical or Biological Engineering. If your university should be included in this list or if you would like to share your university's experience, please email bio@aiiche.org.

Institute for Sustainability (IFS)

IFS is an umbrella organization encompassing a broad spectrum of activities related to sustainability. It has three sub-entities: the Sustainable Engineering Forum (SEF), the Center for Sustainable Technology Practices (CSTP), and the Youth Council on Sustainability Science and Technology (YCSST). It also provides oversight to the AIChE Sustainability Index (sm).

The Sustainable Engineering Forum (SEF) is focused on the transfer of information regarding sustainability and technology. Membership is open to individuals working in sustainability. The Center for Sustainable Technology Practices (CSTP) is an organization of companies that conducts projects of interest to industry representatives. It sets priorities for collaborative project work, prepares requests for proposals, seeks project funding from outside sources, monitors the execution of projects, and acts to disseminate the results. The Youth Council on Sustainability Science and Technology (YCOSST) is an organization of young engineers and students that serves two functions: education and participation. It provides a forum for outreach to youth and will facilitate youth participation in national and international sustainability efforts.

www.aiche.org/lfs

Managing Board of the Institute for Sustainability (IFS)

Deb Grubbe, Chair

Email: deb.grubbe@comcast.net

Subhas Sikdar,

AICHe Sustainability Index Advisory Board Chair

Email: sikdar.subhas@eap.gov

Darlene Schuster, Executive Director

Email: darls@aiche.org

Members:

Nada Assaf-Anid

Ellyn Beary

Rick Cain

Carol English

Alan Fuchs

Dale Keairns

Henry "Hank" T. Kohlbrand

Helen Lou

Laura Rosato

Charlene Wall-Warren

June C. Wispelwey

Katherine S. Ziemer

Water Initiative

In 2010, the AICHe Water Initiative was developed in response to pressing issues of water access, quality, sustainability, and security. The main goal of the AICHe Water Initiative is to promote discussion and to determine the role and approaches for AICHe to lead chemical engineers to become recognized thought leaders in the existing water space.

<http://water.aiche.org/>

Miriam Cortes-Camirero, New Technical Initiatives, AICHe

Tel: 646-495-1380

Email: miric@aiche.org

David Klanecky, Co-Chair, Dow

Tel: 646-495-1380

Email: daklanecky@dow.com

Wendy Young, Co-Chair, GE Water Process & Process Technologies

Tel: 713-560-8165

Email: wendyc.young@ge.com

Advisory Board Members:

Kristine Chin, *AICHe*

Liese Dallbauman, *Pepsi*

Bruce Hamilton, *NSF*

Michael Hightower, *Sandia National Laboratories*

Annette Johnston, *Abbott*

Safety and Chemical Engineering Education (SACHe) Certificate Program

The Safety and Chemical Engineering Education (SACHe) program, initiated in 1992, is a cooperative effort between the Center for Chemical Process Safety (CCPS) and engineering schools to provide teaching materials and programs that bring elements of process safety into the education of undergraduate and graduate students studying chemical and biochemical products and processes. These materials may also be suitable for training purposes in an industrial setting.

www.sache.org

Wendy Smades, SACHe Committee Chair

Process Safety Discipline Leader

The Dow Chemical Company

Tel: 979-238-2815

Email: wlsmades@dow.com

Louisa Nara, Staff Liaison

Tel: 724-538-9971

Email: louna@aiche.org

Society for Biological Engineering (SBE)

SBE is a global technological community whose mission is to promote the integration of engineering with biology and realize its benefits through bioprocessing, biomedical, and biomolecular applications. It shall 1) make SBE the professional association of choice for engineers and applied scientists with interest in the broad area of biological engineering, 2) provide opportunities for the successful interaction of engineers and scientists, 3) develop products and services which are cost effective, relevant, and bring value to the broad biological engineering community, 4) infuse awareness of biological engineering among all functions and activities of AICHe, and 5) raise interest, understanding, and recognition of engineer and scientist roles in biological engineering.

www.aiche.org/SBE

Managing Board of the Society for Biological Engineering (SBE)

Gregory Stephanopoulos, Chair

Bayer Professor of Chemical Engineering

Massachusetts Institute of Technology

Tel: 617-253-4853

Email: gregstep@mit.edu

Miriam Cortes-Camirero, Executive Director

Tel: 646-495-1380

Email: miric@aiche.org

Members:

Noubar Afeyan

Annelise Barron

Georges Belfort

William Bentley

Douglas Cameron

Pankaj Mohan

Kimberly Ogden

Todd M. Przybycien

Eugene Schaefer

Christine B. Seymour

June C. Wispelwey

AICHE's committees function as liaisons between the Board of Directors and the Institute's membership. Each committee addresses and serves specific fields within the organization and helps shape the policy and procedure of the Institute. The following is a list of current committee chairs and liaisons, and a brief description of each committee's general purpose. (Please note: full committee charters are not provided below; to view committee charters and/or to find more detailed information about a specific committee, please visit www.aiche.org/committees.)

Admissions (1908)

Formally approves election to Membership; reviews and approves all applications to Senior Membership and reviews all nominations to grade of AIChE Fellow for the Board of Directors.

Joseph Cramer, Chair

Tel: 646-495-1365
Email: josec@aiche.org

David Greene, First Vice Chair

Tel: 732-584-0332
Email: dgreene@psands.com

Cheryl Teich, Second Vice Chair

Tel: 215-219-6854
Email: cteich@dow.com

Karl V. Jacob, Board Liaison

Tel: 989-636-5706
Email: jacobkv@dow.com

Martin Clancy, Staff Liaison

Tel: 203-702-7670
Email: martc@aiche.org

Audit (2004)

Arranges for the annual audit and interprets the results for the Board of Directors. The committee may also research other financial issues related to the audit.

Thomas R. Hanley, Chair

Tel: 334-844-7773
Email: hanletr@auburn.edu

Rick Cain, Staff Liaison

Tel: 646-495-1350
Email: rickc@aiche.org

Members:

Peter Sibilski Jeff Perl

Awards (1946)

Formulates policies and programs for AIChE awards and recommends the recipients of the awards to the Board of Directors.

Nicholas A. Peppas, Chair

Tel: 512-471-5238
Email: peppas@che.utexas.edu

Christine B. Seymour, Board Liaison

Tel: 860-691-0602
Email: Christine.b.seymour@pfizer.com

Gordon Ellis, Staff Liaison

Tel: 646-495-1348
Email: gorde@aiche.org

Board Awards (1984)

Charged with recommending nominations for the Founders and F. J. and Dorothy Van Antwerpen awards to the Board of Directors.

Henry "Hank" T. Kohlbrand, Chair

Tel: 605-342-2003
Email: hank4836@yahoo.com

Korrynn Lancaster, Staff Liaison

Constitution and Bylaws (1932)

Studies, recommends, and drafts amendments to the AIChE Constitution; drafts Bylaws for the Board of Directors' consideration; advises the Board on interpretation of the Constitution and Bylaws.

Kimberly L. Ogden, Chair

Tel: 520-621-9484
Email: ogden@email.arizona.edu

June C. Wispelwey, Staff Liaison

Tel: 646-495-1310
Email: junew@aiche.org

Education & Accreditation (2002)

Advises schools on methods and standards of chemical engineering education and inspecting and evaluating chemical engineering programs to make recommendations for accreditation, via the Accreditation Board of Engineering Technology (ABET).

Jeffrey J. Siirola, Chair

Tel: 423-229-3069
Email: siirola@eastman.com

Ranil Wickramasingh, CEOC Liaison

Tel: 970-266-8240
Email: wickram@engr.colostate.edu

Felicia Guglielmi, Staff Liaison

Tel: 646-495-1330
Email: felig@aiche.org

Education Services Committee (2009)

This committee, in cooperation with other entities as appropriate, develops and/or monitors all controlled enrollment educational activities sponsored or supported by and/or associated with the Institute. In particular, the American Society of Mechanical Engineers (ASME) Courses fall under its jurisdiction.

TBD Chair

Bette Lawler, Staff Liaison

Tel: 646-495-1320
Email: bette@aiche.org

Equipment Testing Procedures (1944)

Formulates and publishes procedures for testing the performance of chemical engineering equipment.

Becky Starkweather, Chair

Tel: 801-943-5214
Email: becky@scientexlc.com

Bob Hoch, CTOC Liaison

Tel: 518-734-4483
Email: bobhoch@aol.com

Stephen Smith, Staff Liaison

Tel: 646-495-1360
Email: steps@aiche.org

Ethics (1911)

Develops and maintains AIChE's code of ethics, considers all matters of professional ethics and makes recommendations to the Board of Directors.

John C. Chen, *Chair*

Tel: 610-758-4098
Email: johnc.jc@gmail.com

June C. Wispelwey, *Staff Liaison*

Tel: 646-495-1310
Email: junew@aiche.org

Executive (1936)

Acts for the Board of Directors on items of business delegated to it by the Board. Consists of officers of the Board and AIChE's Executive Director.

Maria K. Burka, *Chair*

Tel: 703-292-7030
Email: mburka@nsf.gov

June C. Wispelwey, *Staff Liaison*

Tel: 646-495-1310
Email: junew@aiche.org

Finance (1908)

Reviews the financial affairs of the Institute and reports its recommendations to the Board of Directors. Consists of Board Members and AIChE's Executive Director.

Andre Da Costa, *Chair*

Tel: 661-331-3236
Email: andredac@att.net

Rick Cain, *Staff Liaison*

Tel: 646-495-1350
Email: rickc@aiche.org

Members:

Monty Alger	Henry "Hank" T. Kohlbrand
Maria K. Burka	Freeman Self
Thomas Connelly	June C. Wispelwey

Government Relations (1965)

Leads AIChE's programs for interaction with the local, state, and federal governments.

Otis A. Shelton, *Chair*

Tel: 203-837-2799
Email: otis_shelton@praxair.com

David Rosenthal, *Board Liaison*

Tel: 281-532-3481
Email: davida.rosenthal@prodigy.net

Stephen Smith, *Staff Liaison*

Tel: 646-495-1360
Email: steps@aiche.org

International Committee (2005)

Leads efforts to support AIChE's mission on a global basis.

LS Fan, *Chair*

Tel: 614-688-3262
Email: fan@che.eng.ohio-state.edu

Mark-Olivier Coppens, *Vice Chair*

Tel: 518-276-2671
Email: coppens@rpi.edu

Maria K. Burka, *Board Liaison*

Tel: 202-363-5951
Email: mburka@nsf.gov

Felicia Guglielmi, *Staff Liaison*

Tel: 646-495-1330
Email: felig@aiche.org

Local Sections (1999)

Develops and coordinates resources for AIChE Local Sections.

Todd J. Willman, *Chair*

Tel: 281-398-9400, ext. 811
Email: tjw@epcon.com

Shannon Brown, *Vice Chair*

Tel: 630-795-3446
Email: sbrown@ambitech.com

Diane K. Spencer, *CEOC Liaison*

Tel: 925-422-8045
Email: spencer22@llnl.gov

Felicia Guglielmi, *Staff Liaison*

Tel: 646-495-1330
Email: felig@aiche.org

Membership

Overseas staff acquisition and retention strategies and recommends ways to attract qualified applicants to membership in AIChE.

Carol Hall, *Chair*

Tel: 919-515-3571
Email: hall@ncsu.edu

Bette Lawler, *Staff Liaison*

Tel: 646-495-1320
Email: bette@aiche.org

Minority Affairs (1989)

Promotes activities that will encourage the education and training of minorities in engineering and related disciplines.

www.aichemac.org

Rodney Dotson, *Chair*

Tel: 646-245-5620
Email: rdotson01@ccny.cuny.edu

June Lee, *Staff Liaison*

Tel: 646-495-1333
Email: junel@aiche.org

The AIChE Program Committee Technical Programming Groups

Organizes and conducts all spring, annual, and special Institute meetings and coordinates joint meetings with other technical societies. Please visit www.aiche.org/Conferences/Resources/NPC.aspx to view a complete listing which includes both groups and areas. The web listing undergoes updates throughout the year and will contain the most accurate information as submitted by programmers.

The Executive Board of the AIChE Program Committee (1944)

Jim Davis, Chair

Tel: 310-206-0011
Email: jdavis@oit@ucla.edu

Chris Seymour, First Vice Chair

Tel: 860-686-1011
Email: Christine.b.seymour@pfizer.com

Jennifer Curtis, Second Vice Chair

Tel: 352-392-0882
Email: jcurtis@che.ufl.edu

Andre R. Da Costa, Past Chair

Tel: 661-331-3236
Email: andredac@att.net

Joseph J. Cramer, Secretary

Tel: 646-495-1365
Email: josec@aiche.org

Kristine Chin, Staff Liaison

Tel: 646-495-1366
Email: krisc@aiche.org

Vincent G. Grassi, Member-at-Large (2011-2013)

Tel: 610-481-6377
Email: grassivg@airproducts.com

Robert P. Hesketh, Member-at-Large (2009-2011)

Tel: 856-256-5313
Email: hesketh@rowan.edu

John Peragine, Member-at-Large (2009-2011)

Tel: 732-227-5688
Email: john.peragine@bms.com

Surya K. Mallapragada, Member-at-Large (2010-2012)

Tel: 515-294-7407
Email: suryakm@iastate.edu

James Turner, Member-at-Large (2010-2012)

Tel: 281-263-5584
Email: james.turner@fluor.com

Cheryl Teich, CTOC Liaison (2011-2012)

Tel: 215-619-5342
Email: cteich@dow.com

Dion Vlachos, Member-at-Large (2011-2013)

Tel: 302-831-2830
Email: vlachos@udel.edu

Annette A. Johnston, RANTC Liaison (2011-2012)

Tel: 847-935-5120
Email: annette.johnston@abbott.com

Stephen Smith, Ex-Officio

Tel: 646-495-1360
Email: steps@aiche.org

Jeffrey Wood, Ex-Officio

Tel: 646-495-1315
Email: jeffw@aiche.org

The AIChE Program Committee Technical Programming Groups

Group 1: Engineering Sciences and Fundamentals

L. Gary Leal, Program Chair

Tel: 805-893-8510
Email: lgl20@engineering.ucsb.edu

Group 2: Separations Division

Linda Wang

Email: wangn@ecn.purdue.edu

Group 3: Particle Technology Forum

Manuk Colakyan, Chair

Tel: 304-546-6385
Email: manukc@aol.com

Group 4: Education Division

Donald P. Visco Jr., Chair

Email: donvisco@hotmail.com

Group 5: Management Division

Gavin Towler, Chair

Email: Gavin.towler@uop.com

Group 6: North American Mixing Forum

Jos Derksen, Chair

Email: jos@alberta.ca

Group 7: Transport and Energy Processes Division

Hemant Pendse, Chair

Tel: 207-581-2290
Email: pendse@maine.edu

Group 8: Materials Engineering & Sciences Division

Stevin Gehrke, Chair

Tel: 785-864-4956

Group 9: Environmental Division

Kurt Rindfusz, Chair

Tel: 703-633-1676
Email: Kurt.rindfusz@erg.com

Group 10: Computing & Systems Technology Division

B. Wayne Bequette, Chair

Tel: 518-276-6683
Email: bequette@rpi.edu

Group 11: Safety & Health Division

Cheryl Grounds, Chair

Email: cherylgrounds@hp.com

Group 12: Process Development Division

Robert S. Huss

Tel: 423-229-6425
Email: rhuss@eastman.com

Joe Powell, Assisting Chair

Tel: 281-544-8976
Email: Joe.powell@shell.com

Group 13: Processes and Products

(This Group has been "sunsetting")

Group 14: Nuclear Engineering Division

George Goff

Tel: 505-664-0337

Email: georgeg@lanl.gov

Group 15: Food, Pharmaceutical & Bioengineering Division

John A. Morgan

Tel: 765-494-4088

Email: jamorgan@purdue.edu

Group 16: Fuels & Petrochemicals Division

Tim Olsen

Tel: 563-332-1238

Email: tim.olsen@emerson.com

Group 17: Forest Bioproducts Division

B.V. Ramarao

Tel: 315-470-6513

Email: bvramarao@syr.edu

Group 18: Liaison Functions

Women's Initiatives Committee (Area 18a)

Upma Sharma, Chair

Tel: 609-947-4388

Email: usharma@arsenalmedical.com

Government Relations Committee (Area 18b)

Otis Shelton, Committee Chair

Tel: 203-746-4162

Email: otis_shelton@praxair.com

The Young Professional Advisory Board (YPAB) (Area 18c)

Brian Daly, Program Chair

Email: brian.daly@samsung.com

Publication Committee (Area 18d)

Mark Stadtherr, Committee Chair

Tel: 574-631-9318

Email: markst@nd.edu

Awards Committee (Area 18e)

Robert H. Davis, Committee Chair

Tel: 303-492-7314

Email: robert.davis@colorado.edu

Offshore Technology Conference (Area 18f)

George J. Montgomery, Chair

Tel: 281-870-5413

Email: gjmontgomery@mcdermott.com

Professional Development Committee (Area 18h)

Caroline C. Reynolds, Committee Chair

Tel: 512-454-8880

Email: crsolns@texas.net

Research and New Technology Committee (Area 18j)

Bond Calloway, Chair

Tel: 803-725-4466

Email: bond.calloway@gmail.com

Group 19: Engineering & Construction Contracting Association

(ECC is now an affiliate of AIChE)

Group 20: Catalysis and Reaction Engineering Division

Dion Vlachos

Tel: 302-831-2830

Email: vlachos@udel.edu

Group 21: Computational Molecular Science & Engineering Forum

Kristen Fichthorn, Chair

Tel: 814-863-4807

Email: fichthorn@psu.edu

Group 22: Nanoscale Science and Engineering Forum

J. Zach Hilt

Tel: 859-257-9844

Email: hilt@enr.uky.edu

Group 23: Sustainable Engineering Forum

Cristina Piluso, Chair

Tel: 734-324-5463

Email: cristina.piluso@basf.com

Group 24: Chemical Engineering & The Law Forum

Mary Ellen Ternes, Chair (Environmental Law)

Tel: 405-552-2303

Email: maryellen.ternes@mcafeetaft.com

Nominating (1954)

Draws up election ballots for the election of national officers. Consists of the Board of Directors and members appointed by the Board.

Henry "Hank" T. Kohlbrand, Chair

Tel: 989-859-4374

Email: hank4836@yahoo.com

Korrynn Lancaster, Staff Liaison

Professional Development (1935)

Devises methods and programs to assist the individual chemical engineer to accomplish professional development at each stage of his/her career. Some specific areas of responsibility include peer employment services, professional standards, and PE licensing.

Caroline Reynolds, Chair

Tel: 512-454-8880

Email: crsolns@texas.net

Ranil Wickramasingh, CEOC Liaison

Tel: 970-266-8240

Email: wickram@enr.colostate.edu

Felicia Guglielmi, Staff Liaison

Tel: 646-495-1330

Email: felig@aiche.org

Publication (1908)

Studies and evaluates the publication activities of the Institute and makes recommendations to the Board of Directors.

Jan Lerou, Chair

Tel: 614-219-2718

Email: janlerou@gmail.com

Levi T. Thompson, CTOC Liaison

Tel: 734-936-2015

Email: Ltt@umich.edu

Stephen Smith, Staff Liaison

Tel: 646-495-1360

Email: steps@aiche.org

Research and New Technology (1993)

Serves as an advisory body to the Board of Directors on matters relating to chemical engineering research.

Annette A. Johnston, Chair

Section Manager

Abbott Diagnostics Division

Abbott Laboratories

100 Abbott Park Road, AP4A-2, Department 031D

Abbott Park, IL 60064-6076

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TBA, Vice Chair**Joseph Cramer, Staff Liaison**

Tel: 646-495-1365

Email: josec@aiche.org

Kristine Chin, Staff Liaison

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Email: krisc@aiche.org

Student Chapters (1929)

Provides assistance to and exercises general supervision of AIChE Student Chapters; considers and recommends new Student Chapter charters; and sponsors Student Chapter publications and activities. Some specific areas of responsibility include programming for the Annual Conference, Regional Student Conference planning, Chem-E-Car® competition, student design competition and poster paper session, student awards and scholarships, fundraising, and membership.

Willie E. (Skip) Rochefort, Chair

Tel: 541-737-2408

Email: skip.rochefort@oregonstate.edu

Robert Y. Ofoli, CEOC Liaison

Tel: 517-432-1575

Email: ofoli@egr.msu.edu

June Lee, Staff Liaison

Tel: 646-495-1333

Email: junel@aiche.org

Technicians' Affairs (1971)

Develops methods and programs that help technicians perform as team members and that stimulate the contribution to the profession; advises schools on curricula and cooperates in the accreditation of programs for the education and training of chemical engineering technicians.

Jim Byrne, Chair

Tel: 302-239-2777

Email: jbyrne@comcast.net

Felicia Guglielmi, Staff Liaison

Tel: 646-495-1330

Email: felig@aiche.org

Women's Initiatives (1997)

Takes a leadership role in promoting the entry, development, and full participation of women in the Institute and the profession.

Upma Sharma, Chair

Tel: 609-947-4388

Email: usharma@arsenalmedical.com

June Lee, Staff Liaison

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Young Professionals Advisory Board (2002)

Fosters relationships with young members, employers, and Local Sections to promote increased participation, and advises AIChE on how to reach this target group and offer products and services that meet their needs.

Robin Ng, Chair and CEOC Liaison

Tel: 614-477-8911

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Felicia Guglielmi, Staff Liaison

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AIChE Divisions and Forums promote the exchange of technical information, and provide opportunities for affiliation with top engineers in both general disciplines and emerging fields like biotechnology and sustainability. Divisions and Forums provide programming for AIChE's technical meetings, and awards and recognition to outstanding chemical engineers in their area of expertise. Please note: full Division and Forum charters are not provided below; to view Division and Forum charters and/or to find more detailed information about a specific Division or Forum, please visit www.aische.org/divisionsforums or call 646-495-1331.

Council of Division & Forum Officers (1983)

Comprised of all Division and Forum Chairs as well as representatives of the Chemical Engineering Technology Operating Council (CTOC), the Council of Division & Forum Officers provides opportunities to meet and discuss issues of general concern and relevance to all Divisions and Forums.

Levi T. Thompson, Chair

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Concetta La Marca, Catalysis & Reaction Engineering Division

Mary Ellen Ternes, Chemical Engineering & the Law Forum

Kristen Fichthorn, Computational Molecular Science & Engineering Forum

Mahmoud M. El-Halwagi, Computing & Systems Technology Division

David Silverstein, Education Division

Raymond Smith, Environmental Division

Shang-Tian Yang, Food, Pharmaceutical & Bioengineering Division

Jeff Lindsay, Forest Bioproducts Division

Colin Bowen, Fuels & Petrochemicals Division

John Forgac, Management Division

Lynn Loo, Materials Engineering & Sciences Division

Michael Wong, Nanoscale Science & Engineering Forum

Suzanne Kresta, North American Mixing Forum

George Goff, Nuclear Engineering Division

Ray Cocco, Particle Technology Forum

Raymond Rooks, Process Development Division

Cheryl Grounds, Safety & Health Division

Benny Freeman, Separations Division

David Thompson, Sustainable Engineering Forum

Charles Wyman, Transport & Energy Processes Division

Catalysis & Reaction Engineering – CRE (1996)

The CRE Division provides the focal point for AIChE members interested in the areas of catalysis, industrial and engineering chemistry, fuel chemistry and petroleum. In addition to developing the technical program for AIChE's national meetings, the

Division serves as an information exchange for knowledge of technical publications, computer programs, databases, catalysis and reaction engineering research centers, networks and programs.

www.aische.org/DivisionsForums/ViewAll/CRE.aspx

Concetta La Marca, Chair

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Computing & Systems Technology – CAST (1977)

The CAST Division provides the focal point for AIChE members interested in the areas of computing and systems technology, especially in the analysis, design, and control of process and management systems. CAST also coordinates the Institute's activities with other societies in this field.

www.castdiv.org

Mahmoud M. El-Halwagi, Chair

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Education – EDU (2009)

The EDU Division promotes the education of chemical engineers as it pertains to educational research, scholarly teaching, and applications, to include the broader endeavors which encompass education, such as those which are part of the Division's programming commitment.

www.engr.uky.edu/aicheed

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Environmental – ENV (1970)

The ENV Division provides relevant programs on current environmental topics and non-confidential information concerning all aspects of environmental activity. The Division promotes publication of papers of interest to chemical engineers in environmental activities as well as coordinates the Institute's activities with other related societies.

www.aische.org/DivisionsForums/ViewAll/ENV.aspx

Raymond Smith, Chair

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Mark Stadtherr, CTOC Liaison

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Email: markst@nd.edu

Food, Pharmaceutical & Bioengineering – FP&BE (1966)

The FP&BE Division is the focal point for AIChE members interested in the field of food, pharmaceuticals, and bioengineering. It also supplies technical publications and information in these fields, including papers at national AIChE meetings. In addition, the Division coordinates the Institute's activities in the fields of food, pharmaceuticals, and bioengineering with the activities of other related societies.

www.fpbediv.aiche.org

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Kristine Chin, *CTOC Liaison*

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Forest Bioproducts – FP (1968)

The FP Division is committed to programming technical sessions that encourage investigations, and fosters the dissemination of knowledge in processing forest products. This provides an opportunity for engineers and scientists who share interests in wood products and other fields of chemical engineering to meet and discuss real-world problems. The Division also coordinates the Institute's activities with the activities of other societies in this field to help promote the exchange of ideas and experiences.

www.forest-products.org

Jeff Lindsay, *Chair & CTOC Liaison*

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Email: jlindsay@innovationedge.com

Fuels & Petrochemicals – F&P (1966)

The F&P Division provides a forum for the exchange of information and ideas among chemical engineers engaged in all phases of fuels and petrochemicals activities. The Division coordinates activities through its own Ethylene Producers Subcommittee, as well as with other societies in the field. Each year, the F&P Division sponsors some 350 papers in nearly 70 technical sessions at AIChE national meetings, relating to the production, refining, utilization, and conversion of liquid, solid, and gaseous fuels; and in the manufacturing and sales of petrochemicals derived from these fuels.

www.aiche-fpd.org

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Bond Calloway, *CTOC Liaison*

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Management – MGT (1980)

The MGT Division provides a forum to discuss and present topics of interest to practicing professional engineers and managers at all levels. MGT programming at Institute meetings, and special management meetings, create an opportunity for interaction and communication between the two groups. In addition, the Division coordinates the Institute's management-related activities with other associations active in these fields.

www.aichemgt.org

John Forgac, *Chair*

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Frank van Lier, *CTOC Liaison*

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Materials Engineering & Sciences – MESD (1968)

The MESD Division provides opportunities for chemical engineers and scientists interested in materials to exchange information through meetings, seminars, courses, and publications. The Division also coordinates AIChE activities in the field of materials with other societies working in the same area.

www.aiche.org/mesd

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Levi T. Thompson, *CTOC Liaison*

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Nuclear Engineering – NE (1954)

The NE Division provides members, as well as the general public, who are active in industrial, research, educational, and government organizations with factual information on nuclear energy. It educates and informs other members of the Institute with the achievements and problems of the nuclear energy industry.

www.aiche-ned.org

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Process Development – PD (2001)

The PD Division promotes networking and communication among engineers and scientists interested in process development through meetings, seminars, courses, and publications. This Division also organizes AIChE activities in the field, and materials with other related societies.

www.pd-aiche.co

Raymond Rooks, *Chair*

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Cawas A. Cooper, *CTOC Liaison*

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Safety & Health – S&H (1979)

The S&H Division provides ways for chemical engineers and others to exchange information concerning all facets of safety and health. The Division acts as a source of information for chemical engineers not actively engaged in safety and health by alerting them to the importance of the field. S&H also addresses current issues affecting the field, and of the manufacture and use of chemicals.

www.chem.mtu.edu/org/aiches&h

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Stephen Smith, CTOC Liaison

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Separations – SEP (1990)

The SEP Division provides technical programs for meetings with coverage of a variety of currently used and novel methods of separation. Division members can exchange knowledge of technical publications, computer programs, databases, separation research centers, networks and programs. SEP keeps members informed of future separations meetings and plans exchanges with other groups. In addition, the group encourages chemical engineering educators to place emphasis on the field of separations and on the development of appropriate course materials through research, development, and application.

www.che.utexas.edu/AICHE_Separations/index.html

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Transport & Energy Processes – TEP (1956)

The TEP Division conducts meetings and conferences that provide opportunities for engineers and scientists to exchange ideas, experiences and evaluations in the areas of transport and energy processes. This Division also programs the Institute's activities and with other societies connected to the field.

www.aiche.org/DivisionsForums/ViewAll/TEP.aspx

Charles Wyman, Chair

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Mike P. Harold, CTOC Liaison

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Email: mharold@uh.edu

Chemical Engineering & the Law – ChE&L (2009)

ChE&L is a forum for the combined community of engineers and lawyers with an interest in issues involving both principles of chemical engineering and law and policy. ChE&L promotes interchange of ideas, concepts, know-how, and experiences among engineers, scientists, and lawyers interested in the technical, legal and policy aspects of chemical engineering and related fields, including patents or intellectual property, environmental issues and climate change, energy litigation, risk management, product liability, worker safety, emergency response and licensing. Given the broad scope of related issues, this forum would serve a variety of professional disciplines, including: chemical, environmental and civil engineers; scientists; consultants; and lawyers.

www.aiche.org/DivisionsForums/ViewAll/Chel.aspx

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Computational Molecular Science & Engineering – CoMSEF (2000)

CoMSEF provides an opportunity for communication and networking among engineers and scientists with an interest in the computational molecular sciences and engineering. CoMSEF coordinates and sponsors the programming, including special initiative technical sessions at AIChE national meetings. These forums help promote the exchange of ideas, concepts, know-how and experiences.

www.comsef.org

Kristen Fichthorn, *Chair*

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Nanoscale Science & Engineering – NSEF (2003)

NSEF provides a forum for communication and networking among engineers and scientists who share interests in research and technology development at the atomic, molecular or macromolecular levels. This also includes chemical, biological, and materials processes and products. NSEF coordinates and sponsors relevant programming, including crosscutting and special-initiative technical sessions and conferences.

www.aiche.org/nano

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Bob Hoch, *CTOC Liaison*

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North American Mixing – NAMF (1991)

NAMF provides an open forum for chemical engineers in the field of interdisciplinary mixing technology, including academic and industrial researchers, consultants, equipment vendors, and others. This allows specialists in the area of fluid mechanics to communicate and exchange ideas on a daily basis.

www.mixing.net

Suzanne Kresta, *Chair*

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Richard Calabrese, *CTOC Liaison*

Tel: 301-405-1908

Email: rvc@umd.edu

Particle Technology – PTF (1992)

The PTF serves as an interdisciplinary, international forum to promote information exchange, scholarship, research, and education in the field of particle technology. PTF meetings address science and engineering related to all types of particle technologies, wet or dry, reactive or non-reactive.

www.erpt.org/ptf

Ray Cocco, *Chair*

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George Klinzing, *CTOC Liaison*

Tel: 412-624-0984

Email: klinzing@pitt.edu

Sustainability Engineering – SEF (2003)

The SEF seeks collaborative work in programming and education objectives with other professional societies, both national and foreign. Specific focus areas of the forum include: using appropriate metrics for sustainability, developing approaches for designing products and processes that can be optimized to desired metrics criteria and that incorporate environmental and societal benefit factors, and assessing impacts of resource use (energy, material, and cost) on environmental and social benefits (or otherwise) of products, processes, and services.

www.aiche.org/sef

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Mark Stadtherr, *CTOC Liaison*

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AIChE Local Sections provide grass-roots support for the Institute, essential to meeting the needs of chemical engineers locally. Beyond networking opportunities, Local Sections provide members with the support they need to grow professionally and personally. Provided below is a list of each Local Section and the name and email address (where available) of the Local Section Chair (or other primary contact). For more detailed information about a specific Local Section, please visit www.aiche.org/localsections or email localsections@aiche.org.

Akron

Thomas J. Flynn, *Chair*
tjflynn@babcock.com

Alabama–Piedmont

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Alaska

No *Chair*
localsections@aiche.org

Alberta–Canada

Peter Fong, *Chair*
phfong8@yahoo.com

Arizona

Aaron Manning, *Chair*
aaronm@chemtreat.com

Atlanta

Gerald Mueller, *Chair*
g-mueller@comcast.net

Balcones Fault

No *Chair*
localsections@aiche.org

Bartlesville

Christian Green, *Chair*
Christian.w.gree@conocophillips.com

Baton Rouge

Billy Novak (DE), *Chair*
Billy.Novak@ShawGrp.com

Central Alabama

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Central Arkansas

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Central Carolinas

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Central Oklahoma

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Nebraska

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Netherlands/Belgium

Ike Risseeuw, *Chair*
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New Orleans

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James Smith, *Chair*
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Palmetto

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Permian Basin

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Tappan Zee

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Yankee Clippers (New Haven)

Rabia Baz, Chair
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AICHe Student Chapters are an important resource for chemical engineering students around the world. Student Chapters offer networking and mentoring opportunities with practicing engineers, student conferences and programming, career guidance, scholarships, awards and competitions, and an exchange of technical information and news. Provided below is a list of the universities that have an AICHe Student Chapter and the names and email addresses (where available) of the corresponding Student Chapter Advisors.

**Akron, University of
Chelsea Monty**
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**Alabama, University of,
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studentchapters@aiche.org

**Alabama, University of,
Tuscaloosa**
Stephen Ritchie
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**Alberta, University of
Larry Unsworth**
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**Arizona State University
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**Arizona, University of
Armin Sorooshian**
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**Arkansas, University of
Edgar Clausen**
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Jamie Hestekin
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**Auburn University
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Accredited Curricula 2011-2012

The American Institute of Chemical Engineers first accredited chemical engineering curricula in 1925. In 1932, the Accreditation Board for Engineering and Technology (ABET), formerly the Engineers' Council for Professional Development, inaugurated its program for accrediting undergraduate engineering curricula in the United States. Since then, AIChE and ABET have worked together in this effort. For more information on ABET accredited undergraduate chemical engineering programs, please visit www.abet.org.

The University of Akron , Akron, OH	1970	University of Idaho , Moscow, ID	1950
The University of Alabama , Tuscaloosa, AL	1950	University of Illinois at Chicago , Chicago, IL	1976
The University of Alabama in Huntsville , Huntsville, AL	1986	University of Illinois at Urbana-Champaign , Urbana, IL	1936
Arizona State University , Tempe, AZ	1966	Illinois Institute of Technology , Chicago, IL	1936
University of Arizona , Tucson, AZ	1963	Iowa State University , Ames, IA	1936
University of Arkansas , Fayetteville, AR	1952	University of Iowa , Iowa City, IA	1936
Auburn University , Auburn, AL	1950	The Johns Hopkins University , Baltimore, MD	1940
Brigham Young University , Provo, UT	1961	Kansas State University , Manhattan, KS	1951
Brown University , Providence, RI	1985	The University of Kansas , Lawrence, KS	1949
Bucknell University , Lewisburg, PA	1942	University of Kentucky , Lexington, KY	1969
California Institute of Technology , Pasadena, CA	1936	University of Kentucky (Extended Campus-Paducah) , Paducah, KY	2003
California State Polytechnic University-Pomona , Pomona, CA	1972	Lafayette College , Easton, PA	1956
California State University-Long Beach , Long Beach, CA	1980	Lamar University , Beaumont, TX	1958
University of California-Berkeley , Berkeley, CA	1952	Lehigh University , Bethlehem, PA	1936
University of California-Davis , Davis, CA	1966; 2001	University of Louisiana at Lafayette , Lafayette, LA	1956-63; 1967
University of California-Irvine , Irvine, CA	1996	Louisiana State University & A&M College , Baton Rouge, LA	1939
University of California-Los Angeles , Los Angeles, CA	1983	Louisiana Tech University , Ruston, LA	1956
University of California-Riverside , Riverside, CA	1995	University of Louisville , Louisville, KY	1936
University of California-San Diego , La Jolla, CA	1985	University of Maine , Orono, ME	1950
University of California-Santa Barbara , Santa Barbara, CA	1968	Manhattan College , Riverdale, NY	1964
Carnegie Mellon University , Pittsburgh, PA	1936	University of Maryland-Baltimore County , Baltimore, MD	1986
Case Western Reserve University , Cleveland, OH	1936	University of Maryland-College Park , College Park, MD	1942
Christian Brothers University , Memphis, TN	1985	Massachusetts Institute of Technology , Cambridge, MA	1936; 2006
University of Cincinnati , Cincinnati, OH	1936	University of Massachusetts-Amherst , Amherst, MA	1958
Clarkson University , Potsdam, NY	1938	University of Massachusetts-Lowell , Lowell, MA	1971; 2001
Clemson University , Clemson, SC	1959	Miami University , Oxford, OH	2007
Cleveland State University , Cleveland, OH	1954	Michigan State University , East Lansing, MI	1954
University of Colorado at Boulder , Boulder, CO	1950	Michigan Technological University , Houghton, MI	1947
Colorado School of Mines , Golden, CO	1956	University of Michigan , Ann Arbor, MI	1936
Columbia University , New York, NY	1936	University of Minnesota-Duluth , Duluth, MN	1990
University of Connecticut , Storrs, CT	1964	University of Minnesota-Twin Cities , Minnesota, MN	1936
The Cooper Union , New York, NY	1941	Mississippi State University , Mississippi State, MS	1964
Cornell University , Ithaca, NY	1936	University of Mississippi , University, MS	1954
University of Dayton , Dayton, OH	1969	University of Missouri-Columbia , Columbia, MO	1940
University of Delaware , Newark, DE	1941	Missouri University of Science & Technology , Rolla, MO	1951
Drexel University , Philadelphia, PA	1936	Montana State University-Bozeman , Bozeman, MT	1948
Florida A&M University/Florida State University (FAMU-FSU) , Tallahassee, FL	1987	University of Nebraska-Lincoln , Lincoln, NE	1954
Florida Institute of Technology , Melbourne, FL	1983	University of Nevada-Reno , Reno, NV	1987
Florida State University , Tallahassee, FL	1987	University of New Hampshire , Durham, NH	1964
University of Florida , Gainesville, FL	1942	University of New Haven , West Haven, CT	1995
Georgia Institute of Technology , Atlanta, GA	1938	New Jersey Institute of Technology , Newark, NJ	1950
Hampton University , Hampton, VA	1992	New Mexico Institute of Mining and Technology , Socorro, NM	1999
University of Houston , Houston, TX	1957		
Howard University , Washington, DC	1977		

New Mexico State University , Las Cruces, NM	1967	Stanford University , Stanford, CA	1959
University of New Mexico , Albuquerque, NM	1976	Stevens Institute of Technology , Hoboken, NJ	1986
State University of New York at Buffalo , Buffalo, NY	1966	Stony Brook University , Stony Brook, NY	2008
City University of New York, City College , New York, NY	1953	Syracuse University , Syracuse, NY	1940
North Carolina Agricultural and Technical State University , Greensboro, NC	1991	University of Tennessee at Chattanooga , Chattanooga, TN	2008
North Carolina State University at Raleigh , Raleigh, NC	1948	University of Tennessee at Knoxville , Knoxville, TN	1939
University of North Dakota , Grand Forks, ND	1939	Tennessee Technological University , Cookeville, TN	1970
Northeastern University , Boston, MA	1942	Texas A & M University-College Station , College Station, TX	1946
Northwestern University , Evanston, IL	1947	Texas A & M University-Kingsville , Kingsville, TX	1978
University of Notre Dame , Notre Dame, IN	1949	University of Texas at Austin , Austin, TX	1943
The Ohio State University , Columbus, OH	1936	Texas Tech University , Lubbock, TX	1965
Ohio University , Athens, OH	1963	The University of Toledo , Toledo, OH	1964
Oklahoma State University , Stillwater, OK	1976	Tri-State University , Angola, IN	1990
The University of Oklahoma , Norman, OK	1940	Tufts University , Medford, MA	1952
Oregon State University , Corvallis, OR	1942	Tulane University , New Orleans, LA	1954
Pennsylvania State University , University Park, PA	1936	The University of Tulsa , Tulsa, OK	1958
University of Pennsylvania , Philadelphia, PA	1936	Tuskegee University , Tuskegee, AL	1984
University of Pittsburgh , Pittsburgh, PA	1936	University of Utah , Salt Lake City, UT	1952
Polytechnic University , Brooklyn, NY	1936	Vanderbilt University , Nashville, TN	1949
Polytechnic University of Puerto Rico , San Juan, PR	2008	Villanova University , Villanova, PA	1951
Prairie View A & M University , Prairie View, TX	1994	Virginia Commonwealth University , Richmond, VA	2001
Princeton University , Princeton, NJ	1936	Virginia Polytechnic Institute and State University , Blacksburg, VA	1938
University of Puerto Rico, Mayaguez Campus , Mayaguez, PR	1970	University of Virginia , Charlottesville, VA	1943
Purdue University at West Lafayette , West Lafayette, IN	1936	Washington State University , Pullman, WA	1951
Rensselaer Polytechnic Institute , Troy, NY	1936	Washington University , St. Louis, MO	1948
University of Rhode Island , Kingston, RI	1954	University of Washington , Seattle, WA	1936
Rice University , Houston, TX	1941	Wayne State University , Detroit, MI	1950
University of Rochester , Rochester, NY	1941	West Virginia University , Morgantown, WV	1948
Rose-Hulman Institute of Technology , Terre Haute, IN	1950	West Virginia University Institute of Technology , Montgomery, WV	1972
Rowan University , Glassboro, NJ	2001	Western Michigan University , Kalamazoo, MI	2003
Rutgers, The State Univ. of New Jersey , New Brunswick, NJ	1971	Widener University , Chester, PA	1985
San Jose State University , San Jose, CA	1966	University of Wisconsin-Madison , Madison, WI	1936
University of South Alabama , Mobile, AL	1985	Worcester Polytechnic Institute , Worcester, MA	1942
University of South Carolina , Columbia, SC	1956	University of Wyoming , Laramie, WY	1974
South Dakota School of Mines and Tech. , Rapid City, SD	1960	Yale University , New Haven, CT	1936-65; 1982
University of South Florida , Tampa, FL	1976	Youngstown State University , Youngstown, OH	1974
University of Southern California , Los Angeles, CA	1950		

Awards and Honors

AIChE administers dozens of awards, including monetary prizes, certificates, plaques, medals, honoraria, and invited lecturers. Please note that the following lists award recipients from 2002-2010 (or the most recent recipients). A more extensive listing of all past AIChE award recipients can be found at www.aiche.org/awards.

AIChE members may also be qualified to receive prestigious national and international engineering awards, co-sponsored and administered by other entities. Please note that these award recipients are not listed in the directory. For more information about these intersociety awards, please visit www.aiche.org/About/Awards/index.aspx.

If you have any questions or comments about AIChE awards, please contact awards@aiiche.org or call 646-495-1348.

Institute Awards

Selected at the discretion of the Awards Committee and approved by the Board of Directors.

Allan P. Colburn Award for Excellence in Publications by a Young Member of the Institute

Encourages excellence in publications by a younger member of the Institute.

2010—Ali Khademhosseini

Selection Criteria:

The award is presented to a member of AIChE or, in an unusual situation, to members jointly, for significant contributions to chemical engineering through publications. The recipient or recipients must be less than 36 years of age at the end of the calendar year in which the award is presented.

Sponsor: E.I. du Pont de Nemours and Company

Award: A plaque and \$5,000, plus a \$500 travel allowance

Past Recipients:

2009—Yi Tang

2008—Michael S. Strano

2007—Thomas M. Truskett

2006—Yueh-Lin Loo

2005—Samir Mitragotri

2004—Michael W. Deem

2003—Kristi S. Anseth

2002—Coastas D. Maranas

Alpha Chi Sigma Award for Chemical Engineering Research

Recognizes an individual's outstanding accomplishments in fundamental or applied chemical engineering research.

2010—William Bailey Russel

Selection Criteria:

The award recognizes research carried out during the past ten years. This research will normally have been carried out in North America. When appropriate, the winner will be invited to present his or her work at a symposium arranged in his or her honor. When this is not practical, the recipient will be invited to present a paper at an AIChE meeting. The recipient does not have to be a member of AIChE or the Alpha Chi Sigma Fraternity

Sponsor: The Alpha Chi Sigma Fraternity

Award: A plaque and \$5,000

Past Recipients:

2009—James C. Liao

2008—Jeffrey Allan Hubbell

2007—Antonios Mikos

2006—Rakesh K. Jain

2005—Darsh Wasan

2004—Michael F. Doherty

2003—Eleftherios T. Papoltsakis

2002—Charles F. Zukowski

Arthur Dehon Little Award for Chemical Engineering Innovation*

Recognizes outstanding chemical engineering contributions to a successful innovation of commercial or societal importance. Innovation may be evidenced by the creation of a new technology— process, product, or application—and its successful commercialization.

Past Recipients (most recent):

2005—C. Grant Wilson

1999—Carl Keith and John J. Mooney

**The Arthur Dehon Little Award was disestablished in 2006; no nominations are currently sought.*

The Corporate Innovation Award

This award recognizes corporations or corporate divisions employing a substantial number of chemical engineers, for innovation that has resulted in the successful commercial development of new products and/or new processes for making useful products

Sponsor: Programming Committee (NPC)

2010—Genentech

2009—DuPont

2008—3M Company

Lawrence B. Evans Award in Chemical Engineering Practice

Recognizes outstanding chemical engineering contributions in the industrial practice of the profession.

2010—Teh C. Ho

Selection Criteria:

The award is presented to an AIChE member whose contributions may be in areas including, but not limited to, development, design, manufacturing, marketing, economic analysis, and planning, or the creation of a new business. In general, the awardee will have made a contribution in one of the following ways: a) As a chemical engineering innovator in or implementor of a research development. b) Through achievement as a supervisor or manager, or in some leadership position in which the chemical engineer brought to fruition a significant development or series of developments. c) Through entrepreneurial activity related to the development of a chemical engineering process or product.

Sponsor: CACHE Corporation

Award: A plaque and \$3,000, plus a \$500 travel allowance

Past Recipients:

2009—Jeffrey John Sirola

2008—Lisa Brannon-Peppas

2007—Neil Yeoman

- 2006**—Rakesh Agrawal
2005—Adam Heller
2003—Bipin V. Vora
2002—James A. Trainham, III

Process Operations Award

Inaugurated in 2010. Recognizes individuals or teams working in plant operations, process control and/or supply chain management who have significantly improved the safety, reliability or economics of process operations.

2010—Glenn E. Taylor, Bristol—Myers Squibb

Selection Criteria:

Eligible nominees should be from industry or from a government laboratory or another nonacademic entity. Examples of the types of contributions to be recognized include: developing an innovative scheme for process automation; implementing a comprehensive system for operations management; achieving challenging goals for safety and reliability; executing a comprehensive program for total quality management; meeting challenging environmental requirements; achieving large-scale, integrated management of plants and supply chains; creating design methodologies or simulation software for process improvement. Selection of the winner will be based on three key criteria: impact of the contribution; magnitude of the challenges that were overcome; innovation and technical creativity.

Award: A plaque

Award for Service to Society

Recognizes outstanding contributions by a chemical engineer to community service and to the solution of socially oriented problems.

Selection Criteria:

The award is presented to a member of AIChE who has made an outstanding contribution in identifying and solving community and social problems. Contributions should emphasize the awardee's concern for the common good, willingness to give time and comfort, and the ability to draw together varied resources to solve problems, rather than technical competence.

Sponsor: Fluor Daniel Inc.

Award: A plaque and \$2,000

Past Recipients:

- 2009**—Isaac C. Sanchez
2005—Richard D. Noble
2003—Albert H. Arnofsky
2002—William S. Hammack

Engineering and Construction Award

Inaugurated in 2010. Recognizes individuals or teams for achievement in the design and/or construction of process plants or process plant revamps. The achievements may be the result of excellence in process engineering, project engineering, project management, equipment design, engineering and/or construction scheduling and construction management.

2010—Marathon Petroleum Co. – Garyville (LA) Major Expansion Project Team

Selection Criteria:

Eligible nominees should be from industry or from a government laboratory or another nonacademic entity. Examples of the types of contributions to be recognized include: implementing a difficult or

unusual project; developing novel engineering or construction techniques; meeting challenging environmental constraints; pioneering the use of new design methodologies; delivering a difficult project within tight time and budget requirements; commercializing a first-of-a-kind process; making sustained contributions over a long period of time. Selection of the winner will be based on three key criteria: impact of the contribution; magnitude of the challenges that were overcome; innovation and technical creativity.

Award: A plaque

Industrial Research and Development Award

Inaugurated in 2010. Recognizes individuals or teams working in the industries served by chemical engineers, for innovation that has resulted in the successful commercial development of new products and/or new processes for making useful products.

2010—Dow Chemical Co.- R&D Team: Shuttle Crew

Selection Criteria:

Eligible nominees should be from industry or from a government laboratory or another nonacademic laboratory. Examples of the types of contributions to be recognized include: bringing a new product to the marketplace; developing a new manufacturing process; discovering or creating a unique material; transferring research or a process; reducing a company's environmental impact; pioneering a new industrial concept; creating a new simulation or design tool. Selection of the winner will be based on three key criteria: impact of the contribution; magnitude of the challenges that were overcome; innovation and technical creativity.

Award: A plaque

Industry Leadership Award

Inaugurated in 2010. Recognizes individuals or teams working in the industries served by chemical engineers, for leadership and accomplishment in activities including: management; sales and marketing; public, community, and industrial relations; commercial and business development; training; or public service. The recognition may be made for a singular contribution or a series of contributions.

2010—S. Shariq Yosufzai, Chevron

Selection Criteria:

Eligible nominees should be from industry or from a government laboratory or another nonacademic entity. Examples of the types of leadership to be recognized include: achieving outstanding business and commercial success; transforming an enterprise from good to excellent; implementing highly effective management techniques; gaining recognition by customers and the public; obtaining increased market share; building a track record as a thought leader in the industry, including publications as a possible basis for the award. Selection of the winner will be based on three key criteria: impact of the contribution; magnitude of the challenges that were overcome; innovation and technical creativity

Award: A plaque

Institute Award for Excellence in Industrial Gases Technology

Recognizes an individual's sustained excellence in contributing to the advancement of technology in the production, distribution and application of industrial gases.

2010—Richard D. Noble

Selection Criteria:

The recipient will have a record of sustained contributions that have advanced the frontier of industrial gases technology. These contributions may be characterized by a sustained record of important fundamental research, innovation, technological development or the novel application of technology, either fostering or leading to important commercial results. The recipient does not have to be a member of AIChE.

Sponsor: Praxair, Inc.

Award: A plaque and \$3,000, plus a \$500 travel allowance

Past Recipients:

2009—Jerry Y. S. Lin
2008—Benny D. Freeman
2007—Yi Hua Ma
2006—W. S. Winston Ho
2005—Kamalesh K. Sirkar
2004—Keith P. Johnston
2003—Dante P. Bonaquist
2002—Amyn S. Teja

Warren K. Lewis Award for Chemical Engineering Education

Recognizes distinguished and continuing contributions to chemical engineering education.

2010—T.W. Fraser Russell

Selection Criteria:

The recipient will have made important contributions to chemical engineering education based on one or more of the following: a) Success as a teacher, based on an established command of the subject matter and an ability to inspire students and colleagues to high achievement. b) Contributions of lasting educational influence such as superior textbooks, lectures, and laboratory techniques or models. c) Impact upon the education of chemical engineering students as a result of creative ability. This may be evidenced by scholarly contributions to literature, inventions, contributions to developments in industry, through consulting or through government service. d) Leadership in administering a department or equivalent group. The recipient does not have to be a member of AIChE.

Sponsor: ExxonMobil Research and Engineering Company

Award: A plaque and \$5,000, plus a \$500 travel allowance

Past Recipients:

2009—Lorenz T. Biegler, Ignacio E. Grossmann & Arthur W. Westerberg
2008—Julian Smith & Peter Harriott
2007—Tim Anderson
2006—Robert C. Armstrong
2005—Thomas F. Edgar
2004—J.D. Seader & Warren D. Seider
2003—Michael L. Shuler
2002—Ronald W. Rousseau & Richard M. Felder

Professional Progress Award for Outstanding Progress in Chemical Engineering

Recognizes outstanding progress in the field of chemical engineering.

2010—Michael E. Deem

Selection Criteria:

The recipient must be less than 45 years of age at the end of the calendar year in which the award is presented. The awardee will have made a significant contribution to the science of chemical

engineering through one of the following means: a) A theoretical discovery or development of a new principle in the chemical engineering field. b) Development of a new process or product in the chemical engineering field. c) An invention or development of new equipment in the chemical engineering field. d) Distinguished service rendered to the field or profession of chemical engineering. The recipient is invited to deliver an address either at the time of the award presentation or later. The recipient does not have to be a member of AIChE.

Sponsor: Air Products & Chemicals, Inc.

Award: A plaque and \$4,000, plus a \$500 travel allowance

Past Recipients:

2009—Kristi Anseth
2008—Chaitan Khosla
2007—Jay D. Keasling
2006—Joan F. Brennecke
2005—Theodore Randolph
2004—Arup K. Chakraborty
2003—George Georgiou
2002—David A. Edwards

R. H. Wilhelm Award in Chemical Reaction Engineering

Recognizes an individual's significant and new contribution in chemical reaction engineering.

2010—Ioannis G. Kevrekidis

Selection Criteria:

The recipient will have advanced the frontiers of chemical reaction engineering through originality, creativity, and novelty of concept or application. The recipient does not have to be a member of AIChE.

Sponsor: ExxonMobil Research and Engineering Company

Award: A plaque and \$3,000, plus a \$500 travel allowance

Past Recipients:

2009—Raymond J. Gorte
2008—Michael T. Klein
2007—Matthew Neurock
2006—Christopher N. Bowman
2005—Massimo Morbidelli
2004—Teh C. Ho
2003—Enrique Iglesia
2002—Bruce C. Gates

Sustainable Energy Award

Inaugurated in 2009. Recognizes individuals in industry, teams from industry, or entire companies, who have made substantial contributions toward development, generation and use of energy through the application of chemical engineering. Eligible nominees may also be from a government laboratory or other nonacademic entity.

2010—UOP / ENI – Biologically-Based Fuels Team

Selection Criteria:

Examples of the types of contributions to be recognized include: developing innovative technologies for producing and delivering energy; finding new ways to conserve energy and make processes more efficient; identifying and developing new sources of energy; generating better understanding of complex energy systems; reducing the environmental footprint of energy technologies; improving the sustainability of providing and using energy. Selection of the winner will be based on three key criteria: impact of the contribution; magnitude of the challenges that were overcome; innovation and technical creativity.

Award: A plaque

Past Recipients:

2009—Genecor, A Division of Danisco

William H. Walker Award for Excellence in Contributions to Chemical Engineering Literature

Rewards excellence in contributions to chemical engineering literature.

2010—William J. Koros

Selection Criteria:

The award is presented to a member of AIChE who has made an outstanding contribution to chemical engineering literature. The contribution may consist of a review, a history of the development of a process, a theoretical contribution, a research report, or other material of interest and importance to the chemical engineering profession. The recipient must be the author or coauthor of an outstanding work in chemical engineering.

Sponsor: John Wiley and Sons

Award: A plaque and \$5,000, plus a \$500 travel allowance

Past Recipients:

2009—James A. Dumesic
2008—Pablo G. Debenedetti
2007—Matthew V. Tirrell
2006—Nicholas A. Peppas
2005—Alexis T. Bell
2004—L. K. Doraiswamy
2003—George Stephanopoulos
2002—Douglas Lauffenburger

Board of Directors Awards

Administered by the AIChE Board of Directors.

F. J. & Dorothy Van Antwerpen Award for Service to the Institute

Recognizes a chemical engineer for outstanding contributions and service to the Institute.

2010—Thomas F. Edgar

Selection Criteria:

The award is presented to a member of AIChE who has made outstanding contributions to the chemical engineering profession via service to the Institute. These contributions should emphasize achievements in both the professional and technical areas of Institute activities. The recipient will have contributed to innovative approaches to meet both perceived and unperceived membership needs.

Sponsor: The Dow Chemical Company

Award: A plaque and \$5,000, plus a \$500 travel allowance

Past Recipients:

2009—Andre Da Costa
2008—James C. Hill
2007—Gary F. Bennett
2006—Peter B. Lederman
2005—Basil C. Dumas
2003—Lyle F. Albright
2002—Alfred E. Wechsler

Founders Award for Outstanding Contributions to the Field of Chemical Engineering

Recognizes outstanding contributions in the chemical engineering field.

2010—Peter T. Cummings

Selection Criteria:

The award is presented to members of AIChE who have had an important impact on chemical engineering and whose achievements, either specific or general, have advanced this profession in any of its aspects. The recipient(s) should have a long and distinguished record of service to the profession, including both technical and professional activities. Present members of the AIChE Board of Directors are ineligible.

Sponsor: To be determined

Award: A medal, a plaque. The monetary component of this award is contingent upon AIChE securing sponsorship. Please contact awards@aiiche.org for more information.

Past Recipients:

2009—Henry Z. Kister
2008—Morton M. Denn, Robert S. Langer, Donald R. Paul, Nicholas A. Peppas
2007—Gregory Stephanopoulos
2006—Norman N. Li
2005—Dan Luss
2004—Stanley I. Sandler
2003—Octave Levenspiel
2002—Eli Ruckenstein

James E. Bailey Award for Outstanding Contributions to the Field of Biological Engineering

2010—Harvey W. Blanch

Selection Criteria:

This award is presented to an individual who has had an important impact on bioengineering and whose achievements, either specific or general, have advanced this profession in any of its aspects.

Sponsor: Cytos Biotechnology

Award: A plaque and a monetary award.

Past Recipients:

2009—James C. Liao
2008—James Swartz
2007—George Georgiou
2006—Robert Langer, Nicholas Peppas, Edwin Lightfoot
2005—Michael Shuler

Technical Division and Forum Awards

Administered by the sponsoring AIChE Divisions and Forums. The following is a list of award recipients from 2002-2009 (or most recent recipients); for full Division/Forum award descriptions/criteria, etc., please visit www.aiiche.org/about/awards/division.aspx.

Catalysis and Reaction Engineering Division

Catalysis and Reaction Engineering Practice Award

2010—Thomas F. Degnan, Jr.
2009—Rostam J. Madon
2008—Jan J. Lerou

2007—Carmo Pereira
2006—Lawrence A. Smith, Jr.
2005—Robert Farrauto
2004—Stephen B. Jaffe
2003—Israel Wachs
2002—Teh C. Ho

Catalysis & Reaction Engineering Travel Awards

Sponsor: Catalysis and Reaction Engineering Division

2009—Divesh Bhatia, Elizabeth Biddinger, Wayne Blaylock, Drew Braden, Preshant Deshlahra, Bradley Fingland, Danielle Hangsdaen, Michael Kahn, Bo Gyeong Kim, Gloria Emberger Oxford, Natalie Rebacz, Lin Wang, Xiaoming Wang, & Nan Yi
2008—Peter Ferrin, Hari Nair, Craig Rusin, Fernando Resende, Luis Bollman, Genggeng Qi, Thomas Gilbert, Xiaolin Zheng, Yaritza Lopez de Jesus, Andrew Smeltz, Karen Uffalussy, Sameer Israni, Satish Lakhapatri
2006—Shadab Mulla, Ajay Joshi, Lasitah Cumarantunge, Greg DiLeo, Eranda Nikolla, Tim King, Xinrui Yu, Shaolong Wan, Ying Liu, Edward Lee, Beau Waldrup, Jason Hicks, Ertan Taskin, Justin Federici, Lars Grabow, Joan Patterson, Travis Conant
2003—Jeffrey P. Greeley, Hu Ping Luo, Madhuchhanda Bhat-tacharya, Suljo Linic, Guanghui Shu, Aditiya Bhan, Jacob Krum-menaker, Yee San Su, Shumaila S. Khan, Ashish B. Mhadeshwar
2002—Michiel Nikemeisland, Srikant Gopal, Scott McMillan, Jeffrey Greeley, Dan Norton, Todd Kruse

Catalysis & Reaction Engineering Division Poster Awards

Sponsor: Catalysis and Reaction Engineering Division

2008—Catalysis Award: Samuel St. John, Indrajit Dutta, and Anastasios Angelopoulos
2009—Reaction Engineering Award: Divesh Bhatia, Michael P. Harold, and Vemuri Balakotaiah

Computational Molecular Science & Engineering Forum

Graduate Student Award for Outstanding Research

2009—Dimitrios Argyris; Gloria A. E. Oxford
2008—Rachel Getman; Jeremy Purvis
2007—Chethan Acharya; Harish Vashisth
2006—Megha Surve; Erik Santiso

Early Career Award

Sponsor: Computational Molecular Science & Engineering Forum

2010—Vasilios Manousiouthakis
2009—Ed Magnin

Computing & Systems Technology Division

Computing in Chemical Engineering Award

Sponsors: The Dow Chemical Company and Mitsubishi Chemical Company

2009—Dr. Venkat Venkatasubramanian
2008—Ioannis G. Kevrekidis
2007—B. Erik Ydstie
2006—Christodoulos Floudas
2005—Frank Doyle
2004—Ross Taylor
2003—W. L. Luyben
2002—Manfred Morari

Computing Practice Award

Sponsor: ExxonMobil Chemical Company and Aspen Technology, Inc.

2009—Brian Froisy
2008—David R. Vinson
2007—Lionel O'Young
2006—Basil Joffe
2005—Mike Morshedi
2004—Joseph S. Alford, Jr.
2003—W. L. Luyben
2002—Marshall Rafal

W. David Smith, Jr. Graduate Student Paper Award

Sponsor: DuPont Chemical Company

2009—Eric Haseltine
2008—Christos T. Maravelias
2007—Christopher V. Rao
2006—Krishna Mahadevan
2005—Martha Gallivan
2004—Sarette van den Heever
2003—Sagar B. Gadewar
2002—Steiner Hauan

Outstanding Young Researcher Award

Sponsor: Computing Systems Technology Division

2009—Yiannis Kaznessis
2008—Panagiotis D. Christofies
2007—Mayuresh Kothare
2006—Costas D. Maranas
2005—Richard Braatz
2004—Paul I. Barton

David Himmelblau Award for Innovations in Computer-Based Chemical Engineering Education

Sponsor: CACHE Corporation

2009—Daniel Lewin

Environmental Division

Lawrence K. Cecil Award in Environmental Chemical Engineering

Sponsor: BP America, Inc.

2009—Arup SenGupta
2008—Menachem Elimelech
2007—Walter J. Weber, Jr.
2006—Larry Erickson
2004—Jost O. L. Wendt
2003—Yoram Cohen
2002—Subhas K. Sikdar

Division Service Award

Sponsor: Environmental Division

2007—Gary F. Bennett

Graduate Student Paper Award

Sponsor: Environmental Division

2009 1st—Bhanu Sunkara

2009 2nd—Mark Joy

2009 3rd—Candace Watson

2008 1st—Bhupesh Adhikary; Nicholas A. Ashley

2008 2nd—Megha Dadwhal; Jingjing Zhan

2007 1st—Y. Shastri; U. Diwekar

2007 2nd—J. Hau; H. Yi; B. Bakshi

2007 3rd—C. M. Tenney; C. M. Lastoskie

2006 1st—B. Jajuee, A. Margaritis; D. Karamanev;

Hong Jin M. Bergougnou

2004-2005 1st—J. Xu, A. Dozier and D. Bhattacharya

2004-2005 2nd—J. Hau; B. Bakshi

2004-2005 3rd—M. Nutt, J. Hughes; M. Wong

2002—K. Kim S. Kulkarni; G. Carmichael, L. Pan; Y. Tang

Food, Pharmaceutical & Bioengineering Division

Division Award in Chemical Engineering

Sponsor: Merck

2010—Antonios G. Mikos

2009—Wei-Shou Hu

2008—Jeffrey Hubbell

2007—Bob Kelly

2006—James C. Liao

2005—George Georgiou

2004—Frances Arnold

2003—Douglas Clark

2002—Bernard Palsson

Distinguished Service Award in Chemical Engineering

Sponsor: Food, Pharmaceutical & Bioengineering Division

2009—Surya Mallapragada

2008—Wei-Shou Hu

2004—Steve Lombardo

2003—Martin Okos

Forest Bioproducts Division

Andrew Chase Forest Bioproducts Division Award

Sponsor: Forest Bioproducts Division

2009—Adriaan Van Heiningen

2007—Chris Verrill

2006—Amar Mohanty

Fuels & Petrochemicals Division

Distinguished Service Award

Sponsor: Tyco Thermal Controls

2010—Lori McDowell

2009—Bipin Vora

2008—Dennis Griffith

2007—Irv Wiehe

2006—Robert L. Goodmark

2005—Stuart S. Shih

2004—C. H. Chiu

2003—R. F. Dye

2002—Soni Oyekan

Fuels & Petrochemicals Division Award

Sponsor: Fuels & Petrochemicals Division

2010—Henry Kister

2009—Doug White

2008—Rakesh Agrawal

2007—C. Cabrera

2006—Hugh Guthrie

2005—Milorad Dudukovic

2004—R. G. Anthony

2003—E. Jacobs

2002—Larry Evans

Harry West Student Paper Award

Sponsor: Fuels & Petrochemicals Division

2010—Wen Fei Chu, Alen Chen, Andrew Liang

2008—Benjamin Bengasser

2007—Brent Biseda

Fuels & Petrochemicals Division Scholarship

2009—Heidi Nafis; Sohan Trivedi

Management Division

Division Award

Sponsor: E.I. du Pont de Nemours and Company

2010—Margaret Walker

2007—Miles P. Drake

2006—Kurt Swogger

2005—Louis Hegedus

2004—Wayne Tamarelli

2003—William E. Oakley

Materials Engineering & Sciences Division

Charles M. A. Stine Award

Sponsor: E.I. du Pont de Nemours and Company

2009—Christopher Bowman

2008—Sharon Glotzer

2007—Michael Tsapatsis

2006—Jeffrey T. Koberstein

2005—Nitash P. Balasara

2004—John M. Torkelson

2003—Thomas F. Kuech

2002—R. A. Register

Nanoscale Science & Engineering Forum

Forum Award

2010—Paul F. Nealey

2008—Meyya Meyyappan

2007—Peter Cummings

2006—Ronald Andres

2005—Mihail C. Roco

Young Investigator Award

2010—Bartosz A. Grzybowski
2008—Ravi Kane
2007—Joerg Lahann
2006—Michael Wong
2005—Michael Strano

North American Mixing Forum

Award for Excellence and Sustained Contributions to Mixing Research and Practice

Sponsor: The Dow Chemical Company

2010—Chad Bennington
2009—Victor Atiemo-Obeng
2008—Fernando Muzzio
2007—Ramesh R. Hemrajani
2006—Piero Armenante
2005—David S. Dickey
2004—Suzanne Kresta
2003—Phillipe A. Tanguy
2002—Ronald J. Weetman

North American Mixing Forum Start-Up Grant

Sponsor: North American Mixing Forum

2009—Guiren Wang
2007—James F. Gilchrist
2005—Jeffrey Morris
2003—Abraham Stroock

Nuclear Engineering Division

Robert E. Wilson Award

Sponsor: Fluor Foundation

2010—Jack S. Watson
2009—Sharon M. Robinson
2008—Ralph A. Leonard
2007—William D. Rhodes
2006—Arlin L. Olson
2005—Charles Forsberg
2004—N. Chipman
2003—R. Robinson
2002—R. E. Felt

Division Student Paper Award

Sponsor: Nuclear Engineering Division

2009—Robert Hoover; Sarah Mena
2008—Patricio D. Ramirez-Munoz
2005—Osemwengie Iyoha

Particle Technology Forum

Forum Award

Sponsor: E.I. du Pont de Nemours and Company

2010—Joachim Werther
2009—Ted Knowlton
2008—L. S. Fan
2007—L. T. Fan
2006—Doug Fuerstenau

2005—Joerg Schwedes
2004—George Klinzing
2003—Chi Tien
2002—Brian Kaye

Thomas Baron Award in Fluid-Particle Systems

Sponsor: Shell Global Solutions, Inc.

2010—Tony Ladd
2009—Alan Weimer
2008—Dilhan Kalyon
2007—John Grace
2006—Dimitri Gidaspow
2005—Sankaran Sundaresan
2004—Doraiswamy Ramkrishna
2003—Sotiris Pratsinis
2002—Darsh Wasan

Best PhD in Particle Technology Award

Sponsor: The Procter and Gamble Company

2010—Fauxing Li
2009—Luis F. Hakim
2008—Janine Galvin
2007—Mahesh Iyer
2006—Griselda Bonilla
2005—Stephen Conway
2004—Ecevit Bilgili
2003—Stephen Tallon
2002—Himanshu Gupta

Fluidized Processes Recognition Award

Sponsor: The Dow Chemical Company

2009—Syamlal Madhava
2007—Ye Mon Chen
2005—Manuk Colakyan
2003—Hamid Arastoopour

Lectureship Award in Fluidization

Sponsor: Particulate Solid Research, Inc.

2010—Jinghai Li
2009—Martin Rhodes
2008—Robert Pfeffer
2007—Jennifer Sinclair Curtis
2006—Yong Jin
2005—Shigekatsu Mori
2004—Ye-Mon Chen
2003—Norman Epstein
2002—Dimitri Gidaspow

Process Development Division

Excellence in Process Development Research Award

Sponsor: Pfizer

2010—Christopher J. Morrison, Xiaoying Bao, Ryan J. Host, Ryan Mourhatch, Jennifer A. Pascal
2009—Richard I. Masel
2008—James B. Rawlings
2007—Volker Hessel
2006—Richard D. Braatz
2005—Andrew Nick Hrymak

2004—Michael F. Malone, Michael F. Doherty
2002—Ka Ng

Practice Award

Sponsor: Zeton Inc.

2009—Gavin Towler
2008—Shiah Cherney
2007—Richard P. Palluzzi
2006—George Liebermann
2005—Kamlesh Bhatia
2004—John (Jack) C. Jubin, Jr.
2002—Lanny Robbins

Student Paper Award

Sponsor: Eli Lilly and Co.

2009—Patrick Robinson
2008—Kui Sing (Martin) Kwok
2007—Kristin Hecht
2006—Jie Xiao
2005—Dimitrios M. Zarkadas
2004—Deepak Srinivasagupta
2002—Joseph Schroer, Christianto Wibowo

Safety & Health Division

Norton H. Walton/Russell L. Miller Award in Safety and Loss Prevention

Sponsor: Safety & Health Division

2009—M. Sam Mannan
2009—John F. Murphy
2006—Dennis C. Hendershot
2005—Gary J. Powers
2004—Henry Febo
2003—Larry Britton
2002—Daniel Crowl

Separations Division

Clarence G. Gerhold Award

Sponsor: UOP

2010—Neil Yeoman
2009—Dibakar Bhattacharyya
2008—Kamlesh K. Sirkar
2007—W. S. Winston Ho
2006—Edward Cussler
2005—Charles Eckert
2004—Michael F. Doherty
2003—Henry Z. Kister
2002—Norman N. Li

FRI / John G. Konesh Award

Graduate Research Award

Sponsors: Fracationation Research Inc. and Shell Global Solutions

Sponsors: BP, Cargill, Koch-Glitsch, Millipore, Pall, and Praxair

2010—Scott M. Husson; Nicholas F. Urbanski
2009—Scott Owens; Aihua Zhu; Sarah L. Perry; Pedro Sa Gomes

2008—Rahul B. Kasat; David R. Latulippe; Ryan C. Snyder
2007—He Bai; Roy Raharjo
2006—Praveen Kosaraju; Haiging Lin
2005—Xing Yi Woo; Mark Snyder; Krista S. Walton
2004—Meredith Feins; Kaushal Rege; Rachel Specht; Michael Lazzaroni; Travis Reine; Dimitrios Zarkadas
2003—Sungyong Mun; Shaji Chempath; Arturo Hernandez-Maldonado; Alfred Lee; Beelin Cheang; Volodymyr Tarabara

Sustainable Engineering Forum

Forum Research Excellence Award

2009—Mahmoud El-Halwagi; David Allen
2008—Subhas K. Sikdar

Forum Student Paper Award

2008—Ana Carvalho; Cristina Piluso

Transport & Energy Processes Division

Donald Q. Kern Award

Sponsor: Heat Transfer Research, Inc.

2009—Hans Muller-Steinhagen
2007—Yogesh Jaluria
2006—Adrian Bejan
2005—Sanjoy Banerjee
2004—Ram Shah
2003—Ralph Webb

Division Award

Sponsor: Fauske & Associates

2006—V. K. Mathur

Committee Awards

Administered by the sponsoring AIChE committees. The following is a list of award recipients from 2002-2010 (or most recent recipients); for full committee award criteria/past recipients, etc., please visit:

www.aiche.org/About/Awards/CommitteeAwards.aspx

Please note: Some committee awards for students are listed in the "Student Awards" section of the Directory.

Executive Committee

Gary Leach Recognition Award

Recognizes and publicizes the activities of a group in the organization whose performance showed significant accomplishments toward the Institute's mission and objectives.

Sponsor: Executive Committee

2010—Bernie Lee & David Gushee, Massive Electricity Storage Subcommittee of the Government Relations Committee
2009—Centennial Celebration Committee
2008—Chem-E-Car Competition Safety Task Force, Ronald J. Wiley, Coordinator
2007—Boston (Ichthyologists) Local Section, Leadership Development Conference Host

- 2006—Executive Team of the Fifth World Congress on Particle Technology
- 2004—The Professional Development Committee's Subcommittee on Education Services
- 2004—Northern California Local Section, AIChE Annual
- 2002—Equipment Testing Procedures Committee

Minority Affairs Committee

Distinguished Service Award

Recognizes an AIChE member for sustained service and outstanding achievements that advance the goals of the Minority Affairs Committee. Among these goals is reducing the underrepresentation of minorities in the Institute, the chemical engineering profession, and engineering as a whole.

Sponsor: Minority Affairs Committee

- 2009—Michael T. Harris
- 2008—Thomas R. Marrero
- 2007—Gilda Barabino
- 2006—Yusuf Adewuyi
- 2005—Robert Ofoli, Tonya L. Peebles
- 2004—Lance Collins
- 2003—Luke Achenie
- 2002—Kelly Bryant

William W. Grimes Award for Excellence in Chemical Engineering

The Minority Affairs Committee presents this award in honor of William W. Grimes, the first African-American Fellow of AIChE. The award recognizes a chemical engineer's outstanding achievements as a distinguished role model for minorities.

Sponsor: Minority Affairs Committee

- 2010—James Wei
- 2009—Paula Hammond
- 2008—Soni Oyekan
- 2007—Thomas Mensah
- 2005—Michael T. Harris
- 2004—Henry Brown
- 2002—Cato T. Laurencin

AIChE Programming Committee

Institute Lecturer

The Executive Board of the Programming Committee (EBPC) invites a distinguished member of AIChE to present a comprehensive authoritative review of the chemical engineering science in his or her field of specialization.

Sponsor: AIChE Program Committee

- 2010—Julio M. Ottino
- 2009—Norman Li
- 2008—Mark E. Davis
- 2007—Nicholas A. Peppas
- 2006—Carol K. Hall
- 2005—Rakesh Agrawal
- 2004—Adam Heller
- 2003—George Stephanopoulos
- 2002—Robert Langer

The George Lappin AIChE Program Committee Service

The Executive Board of the Programming Committee (EBPC) presents this service award in memory of George Lapin and his long and selfless service on behalf of AIChE and its national and local programming efforts.

Sponsor: AIChE Program Committee

- 2010—Gintakas Reklaitis
- 2009—George Liebermann
- 2008—Sangtae Kim
- 2007—Phillip R. Westmoreland
- 2006—Chen-Hwa Chiu
- 2005—Herbert Epstein
- 2004—Peter Pujado
- 2003—Tim Anderson
- 2002—David A. Rosenthal

The Herb Epstein Award for Technical Programming

The award is presented to an individual in memory of Herbie Epstein for his many contributions and service to AIChE and technical programming. Selection criteria include: meritorious contribution to a technical programming event or task accomplished within two years of the nomination date; value of this programming event or task to AIChE and its members and the profession of chemical engineering; compliance to a spirit of volunteerism; demonstrated dedication to the profession of chemical engineering.

Sponsors: AIChE Programming Committee and Shell Global Solutions

- 2010—D.B. Bhattacharyya
- 2009—Joel Plawsky
- 2008—Bond Calloway

John A. Tallmadge Award for Contributions to Coating Technology

Recognizes an individual's significant contributions to the understanding or improvement of the technology of the coating of continuous webs.

Sponsors: Corning Inc. and International Society of Coating Science and Technology

- 2010—Ramon L. Ceuro
- 2008—Ta-jo Liu
- 2006—Peter M. Schweizer
- 2004—Bruce G. Higgins
- 2002—Terry D. Blake

William H. Doyle Award

This award is in memory of Bill Doyle. He was a founder of the AIChE Loss Prevention Symposium series and contributed greatly to the knowledge and understanding of loss prevention in the chemical industry for over 50 years.

Sponsors: Loss Prevention and Process Safety Programming Group of the National Program Committee and the Safety & Health Division

- 2010—Scott Davis
- 2009—William P. Schmidt
- 2008—Lisa Long
- 2007—Ronald J. Willey
- 2006—Erdem A. Ural
- 2005—Peter N. Lodal

2004— Erdem Ural
2003— Dennis Hendershot
2002— Thomas L. Oakey

Women's Initiatives Committee

Travel Grant Program

Supports travel for female undergraduate students, graduate students, and post-doctoral associates to the AIChE Annual conference.

Sponsor: Women's Initiatives Committee

2010— Ashlee Ford; Julie Kadrmas; Pria Young, Meredith Sellers; Abigail Engelberth; Margaret Linak

2009— Rajeswari Chandrasekaran; Mia Dvora; Miranda Gray; Intan Munirah Hamdan; Renita Horton; Julie Kadrmas; Alyssa Master; Kellie McConnell; Michelle O'Malley; Venmathy Rajarathinam; Obioma Uche; Carissa Young

2008— Silvia Arrenendo; Vittoria Blasucci; Shannon Ciston; Laura Delaporte; Tasha Desai; Mia Dvora; Zhaoxia Jim; Glenna Meister; Cynthia Pierre; Jamie Reed; Luz Padro; Danielle Smith; Diana Snelling; Chaofang Yue; Mariana Tsianou

2007— Jes Anderson; Jennifer Anthony; Krystle Chavez; Michelle O'Malley; Devina Pillay; Karen M. Polizzi; Susan Sharfstein; Erin Smith; Xiaoyu Sun; Wenjun Zhang

Mentorship Excellence Award

Recognizes women faculty who have contributed to the development of the next generation of chemical engineers through outstanding mentoring.

Sponsor: Women's Initiatives Committee

2010— Rena Bizios

2009— Umit Ozkan

2008— Linda Broadbelt

Student Awards

Granted to both individuals and Student Chapters, student awards recognize academic skill and Student Chapter achievements. The following is a list of award recipients from 2002-2010 (or most recent recipients). For full student award information, including competitions and scholarships, please visit www.aiche.org/students/awards.

Please note: additional student awards administered by AIChE Divisions, Forums and committees are listed in those respective sections of the directory.

National Student Design Competition – Individual Category

Sponsor: Omega Chi Epsilon

2010 First Prize—The A. McLaren White Award: Phillip J. Lehman, Michigan State University

2010 Second Prize—The A. E. Marshall Award: Brandon J. DeKosky, University of Kansas

Past Recipients:

First Prize—The A. McLaren White Award

2009— Brian Ashenfelter, Trine University

2008— No award

2007— David Hellen, Tri-State University

2006— Paul Handke, Tri-State University

2005— Ben Koenigsknecht, Michigan State University

2004— Seth Holderman Sheldon, University of Kansas

2003— Richard Pass, University of Kansas

2002— Jonathan Molloy, Michigan Technological University

Second Prize—The A. E. Marshall Award

2009— Terry Mazure, Michigan Technological University

2008— No award

2007— No award

2006— John Eldon Cunningham, University of Kansas

2004— Scott Roberts, University of Kansas

2003— Robert Neumann, University of Cincinnati

2002— Mae Luen Kuo, University of Kansas

Sponsor: Omega Chi Epsilon National Chemical Engineering Honor Society

Third Prize—Omega Chi Epsilon Award

2009— John Krystof, Michigan Technological University

2008— No award

2007— No award

2006— Heather Schultz, Michigan State University

2003— Sean Murphy, University of Kansas

2002— Tracie Rector, University of Missouri, Columbia

Honorable Mention

2008— Arely Torres, New Mexico State University

2007— Jonathon Guscinski, Tri-State University

2007— Taylor Coleman, University of Tulsa

2003— Kathryn Baker, Michigan State University

National Student Design Competition – Team Category

Sponsor: Omega Chi Epsilon

2010 First Prize—William A. Cunningham Award:

Christopher Gelinis & David Hasselbeck, Michigan State University

Honorable Mention

Jonathan M. Goldman, Jonathan Allen & Erin Stokes, Northeastern University

Jason S. Carter, Joseph T. Masucci & Lindsey M. Mathews, Northeastern University

Jonathan Barnes, Jacob Grant & Drew E. Sahli, Oklahoma State University

Past Recipients:

First Prize

2009— Christopher Turbeville, Joey Parkerson & Michael McClure, University of Mississippi

2008— (Tie) Jason King, Dev Motiram, Heather Poschel, Mississippi State University; Aleisha McCabe, Grant McCool, Derek Sumner, Oklahoma State University

2007— Jeiran Jahani, Brian McMahon, Melissa Semple, Northeastern University

2006— Stephen Shaw, Matthew Yedwabnick, Michigan State University

2005— Justin Guinn, Robert Taylor, Tim Plowman, Oklahoma State University

2004— Ashley Price, Megan Burns, Shelby B. Hutchens, Oklahoma State University

2003— E. Brennan, K. Cash, J. Pierce, Northeastern University

2002— Andrew Tillinghast, Corey S. Harris, Katherine Rogers, Washington University, St. Louis

Second Prize

2003— Derrick Oneal, Jason Scott, Mark Wilson, University of Tulsa

Third Prize

2003—Michael Gifford, Johanna Kline, Rachel Specht, Rowan University

Honorable Mention

2009—Andrew Grant, Joseph Clegg & Keyle Stephens, Northeastern University

2007—Kathryn Marie Geer and Joseph Skuza, Michigan State University

2007—Jehna Ferster, Lindsey Hall, and David Wiist, Jr., Oklahoma State University

2006—Gordon Freeman, Jonathan Gar-Sing Leong, Edward Viveiros, Northeastern University

2006—Brian Calhoun, David Kayser, Christopher Sentman, University of Cincinnati

2005—H. Marcy Hammer, Christopher Katinas, Rose-Hulman Institute of Technology

2003—Joshua Grilly, Joshua Jondro, Nicole Winters, Northeastern University

National Student Paper Competition

Sponsors: Omega Chi Epsilon National Chemical Engineering Honor Society and the Student Chapters Committee

E.O. Eisen Omega Chi Epsilon Outstanding Student Paper Award

First Prize

2010—Benjamin Wooltston, Pennsylvania State University

Second Prize

2010—Samantha Johnson, University of Colorado

Third Prize

2010—Brandon Murphy, University of South Carolina

Honorable Mention

2010—Aaron Fluitt, University of Nebraska

Past Recipients:

First Prize

2009—Brandon Curtis, Pennsylvania State University

2008—Jeney Zhang, Auburn University

2007—Thomas Schwei, University of California, Berkeley

2006—Stephen Parker Sizemore, Auburn University

2005—Theresa LaFollette, University of Kansas

2004—Matthew Tobelmann, University of Wisconsin

2003—Stephanie Freeman, University of Arizona

2002—Curtis Luke, Northeastern University

Second Prize

2009—Madeline Midgett, Oregon State University

2008—Tyler Gunn, University of Iowa

2007—Kenneth Wesley Overton, North Carolina State University

2006—John Frostad, University of Washington

2005—Christian Vives, Widener University

2004—Natalie G. Killmon

2003—Ali Mushfeghian & Abimbola Balogun

2002—Daniel Connolly

Third Prize

2009—Barbara Ekerdt, The University of Texas at Austin

2008—Alexander Thomas Leonard, Colorado State University

2007—Kristina Prachanronong, Brown University

2006—Dennis Callahan, Northeastern University

2005—Emily Levi

2004—Michael Lovette, University of California, Santa Barbara

2002—Micah Green, Texas Tech University

Honorable Mention

2009—Ryan Baker, Brigham Young University; Le Li, Tulane University

2008—Kyle Stephens, Northeastern University

2007—David T. Limmer, New Mexico Tech

2006—David Van Wagener, The University of Texas at Austin

National Chem-E-Car® Competition

Sponsor: Chevron

2010 First Place: Cornell University

Past Winners:

First Place

2009—Northeastern University

2008—Cornell University

2007—The Cooper Union

2006—University of Puerto Rico, Mayaguez

2005—Tennessee Tech University

2004—University of Tulsa

2003—University of Dayton

2002—University of Kentucky, Paducah

Second Place

2009—University of Puerto Rico, Mayaguez

2007—Carnegie Mellon University

2006—University of Dayton

2005—Oklahoma State University, Team I

2004—Tennessee Technological University

2003—Michigan Technological University

2002—Colorado State University

Third Place

2009—Louisiana State University

2007—University of Oklahoma

2006—University of Maine

2005—University of Puerto Rico, Mayaguez

2004—University of South Carolina

2003—Florida Institute of Technology

2002—Mississippi State University

Other Student Awards

John J. McKetta Scholarship

2010—Mason Risley, New Mexico Institute of Mining and Technology

Past Recipients:

2009—Jonathan Lo, Rice University

2008—Kari Jane Varin, Oregon State University; Kevin Thomas Cullinan, Auburn University

2007—Jessica Weaver Castillo, West Virginia University

2006—Judith A. Udeke, Louisiana State University

2005—Maria Trinidad Bruniard, Villanova University

2004—Stephanie Freeman, University of Arizona

Donald F. and Mildred Topp Othmer National Scholarship Awards

Sponsor: The Othmer Foundation

2010 Recipients

Lisa Alvin, University of Illinois, Urbana-Champaign; Ryan Barton, University of Buffalo; Elaine Chao, University of Washington; Alanna Daley, North Carolina State University; Julia Faeth, University of Dayton; Jose Gomez, Tecnologico de Monter-

rey; Lonna Gordon, Polytechnic Institute of Technology; Jordan Groskurth, Kansas State University; Nicholas Hoeft, Rice University; Mitchell Ishmael, Rose-Hullman Institute of Technology; Matt Landenburger, South Dakota School of Mines & Technology; Chad O'Conner, Oklahoma State University; Nicholas Orichella, University of Michigan; Ryan Stillwell, Oregon State University; Michelle Wilson, New Mexico State University

Past Recipients:

2009—Michelle Adlong, Oregon State University; Emily Bell, University of Minnesota, Duluth; William Collins, Oklahoma State University; Scott Eddie, South Dakota School of Mines and Technology; Aaron Fluitt, University of Nebraska, Lincoln; Jorge Guerra, New Mexico State University; Aaron Iron, University of Iowa; Jessica Ji, University of California, Los Angeles; Jonathan Lo, Rice University; Kyle McHugh, State University of New York, Buffalo; Logan Mellert, University of Akron; Steven Steven, Texas A&M University; James Swanson, Kansas State University; Shirley Tan, University of Illinois, Urbana-Champaign; Kadian Tinto, Howard University

2008—Dima Alfawakhiri, University of Illinois, Chicago; Cassie A. Cunningham, West Virginia University; Kurt M. Fischbach, University of Cincinnati; Benjamin G. Freedman, University of Maine; Jonathan B. Gilbert, Johns Hopkins University; Nicholas O. Hanes, Bucknell University; Kelly Johansen, Florida Institute of Technology; Andrew B. Kraus, Michigan State University; Kevin M. Pustulka, University of Buffalo; Anna N. Putnam, Oregon State University; Peiwen Thor, North Carolina State University; Laura Timmerman, Rice University; Amar Tiwari, Auburn University; Kelly M. Trowbridge, Northeastern University; Evan J. Waddell, South Dakota School of Mines and Technology

2007—Benjamin Bangasser, South Dakota School of Mines and Technology; Dusty Rose Berggren, University of Idaho; Matthew Herdiech, Florida Institute of Technology; Jessica Heth, University of Iowa; Shirley Leong, Johns Hopkins University; Henry Ma, University of Utah; Katie Megley, Northeastern University; Andrea Metz, Michigan Tech University; Colleen Pater, University of Cincinnati; Emily Szabo, Lehigh University; Traci Taylor, Michigan State University; Arelly Torres, New Mexico State University; Erica Trump, West Virginia University; Adam Wright, University of New Mexico; Nicholas Young, Bucknell University

2006—Alexander B. Conway, University of Iowa; Michael D. Gamble, Oklahoma State University; Michael Hoepfner, University of Utah; Jonathan P. King, Kansas State University; Theresa M. Koys, University of Illinois; Melody K. Morris, University of Kentucky; David N. Nare, New Jersey Institute of Technology; Diana M. Otarvar, Worcester Polytechnic Institute; Jennifer Pascal, Tennessee Technological University; Stacy M. Pustulka, SUNY Buffalo; Kristine M. Taylor, University of Illinois at Chicago; Alexandra C. Traviss, University of Virginia; Travis W. Walker, South Dakota School of Mines and Technology; Devin T. Whipple, University of Arizona; Michelle J. Wilson, Oregon State University

2005—Jennifer M. Berndsen, University of Cincinnati; Tanner M. Callender, Kansas State University; Amanda A. Cordes, Oregon State University; Brenda F. Eby, University of Idaho; Rachel M. Frydrychowski, SUNY Buffalo; Donna M. Harned, University of Louisville; Justin T. Hartshorn, West Virginia University; Sicong Hou, University of Maryland; William W. Lonergan, University of Virginia; Alexandra J. Olson, University of Iowa; Stephen M. Shaw, Michigan State University; Trina J. Sudweeks, University of Utah; Shelby A. Tomczak, Western Michigan University; Kimberly A. Viscosi, Oklahoma State University; Mark C. Walker, Bucknell University

AICHE Minority Scholarship Award for College Students

Sponsor: Minority Affairs Committee

2009 Recipients:

Chibueze Vincent Amanchukwu, Texas A&M University, College Station; Micheline A. G. Barrington, Texas A&M University, Kingsville; KaLila S. Brunette, Mercer University; Gilbert A. Castillo, Florida Institute of Technology; Frederick Crawford, Ohio State University; Elisha John, Mark Denham, University of Texas at Arlington; Taiwo Femi-Fowode, Prairie View A&M University; Adria Galloway, University of Texas at Austin; Milton T. Nettles, University of Alabama; Olabanji Olaniyan, University of Maryland, College Park; Oruare Obviagele, Prairie View A&M University; Christina Smith, University of Utah; Carla D. Wheaden, University of Maryland, College Park; Jose Arturo Delgado, The University of Texas at Austin

Past Recipients:

2008—Gilbert A. Castillo, Florida Institute of Technology; Frederick Crawford, The Ohio State University; Ngor Biar Deng, University of Louisville; Melodi Emanuel, North Carolina A&T State University; Taiwo Femi-Fowode, Prairie View A&M University; Joshua Lykes, Washington University; Milton T. Nettles, University of Alabama; Staci Van Norman, Oregon State University; Fiona Obasuyi, Prairie View A&M University; Christina Smith, University of Utah; Carla D. Wheaden, University of Maryland, College Park

2007—Judith A. Udeke, Louisiana State University; Shatara Mayfield, North Carolina A&T State University; Melodi Emanuel, North Carolina A&T State University; Anthony Diaz-Santana, University of Puerto Rico, Mayaguez; David N. Nare, New Jersey Institute of Technology; Oscar Mvula, North Carolina A&T State University; Diana M. Toalvaro, Worcester Polytechnic Institute; Desiray McLaurin, North Carolina A&T State University; Anino Elaine Adokpaye, Louisiana State University; Christopher Smith, Stanford University; Temitayo Femi-Fowode, Prairie View A&M University; Aline Thomas, Massachusetts Institute of Technology; Tolulope O. Adenodi, University of Rhode Island; Pauline Akinyi Otieno, University of Louisville

2006—Anino Adokpaye, Louisiana State University; Shatara Caleb Mayfield, North Carolina A&T State University; Judith A. Udeke, Louisiana State University; Christina V. Valdez, City College of NY; Christopher H. Smith, Stanford University; Temitayo Femi-Fowode, Prairie View A&M University; Uchenna O. Odi, University of Oklahoma; Uduak C. Ntuen, North Carolina A&T State University

2005—Tracey L. Alexander, North Carolina A&T State University; Janie D. McClurkin, North Carolina A&T State University; Uchenna Odi, University of Oklahoma

2004—Carmen Medina, University of Utah; Josie de Linna Prado, Oregon State University; Ana L. Hoffnagle, University of Arizona

AICHE Minority Scholarship Award for Incoming College Freshmen

Sponsor: Minority Affairs Committee

2009—Adeboye Adejare, Jr., University of Science, Philadelphia; Hugo Manuel Camarera, University of Berkeley; Alisa Cohen, North Carolina State University, Raleigh; Shameka Ethley, Texas A&M University; Rocio S. Caray, Carnegie Mellon University; Melinda Haghghatian, The University of Texas at Austin; Sarah Herrero, Texas Tech University; Katrina N. Lambert, Indiana University of Pennsylvania; Alan Lee, Texas A&M, College

Station; Jihad Ameer Mims, Georgia Tech; Marcos Pantoja, University of California, Los Angeles; Patricia Perezanta, University of Houston; Marko Popovic Jr., University of Notre Dame; Bryson Rajendran, Georgia Tech; Jasmine Reese, Wayne State University; Jonathan D. Taylor, Auburn University; Niajee K. Washington, Cornell University; Erin Tolbert, Florida A&M University

Past Recipients:

2008—Chibueze Vincent Amanchukwu, Texas A&M University, College Station; Alexander Diaz de Arce, University of Florida; Kalila S. Brunette, Agnes Scott College; Chloe Whitney Conbett, University of Texas at Austin; Jose Arturo Delgado, University of Texas at Austin; Elisha John, Mark Denham, University of Texas at Arlington; Angela Deborah Ketterer, University of Rochester; Devin Lemons, Oklahoma State University; Daniela Sifuentes-Lopez, George Fox University; Diego Lugo, Worcester Polytechnic Institute; Jasmine McElroy, Texas A&M University, Galveston; Anastasia Oxendine, North Carolina State University; Luis Saldana, Kennesaw State University; William Tarpeh, Stanford University; Melanie N. Tegner, Oregon State University

2007—Alesha R. Fumbanks; Guillermo E. Gutierrez; Micaela Hernandez; Francine Yvonne Jaramillo; Robert M. Kabera; Kevin Manuel Laborda; Paola Quijano; Carla D. Wheaden

2006—Jessica B. Self; Mary Ann Pertierra; Lauren Nichole Simmons; A. Andrew D. Jones, III; Maimuna Secka; Cristina Gonzalez; Chidi Okoro; Christian D. Sanchez; Christyn A. Thibodeaux

2005—Samuel D. Clark; Abigail Clark; Tiarra Campbell; Alex Babar; Melodi A. Emanuel; Tania A. Lawless; Martin Tabor; Nasly Jimenez; Maria J. Gatica; Daniel Pardo

2004—Aline Thomas; Winfred Eugene Allen, Jr.; Wilson H. Carrillo; Kenny Franco; Melanie Henry; Richelle Thomas

2003—Edgar Peralta; Mario Flores; Sean Harvey; Roxanne Pérez; Ryan Anderson; Aways Mohamed; Marcelo Worsley; Miguel Sánchez; Sonya Boulware; Eloka Okonkwo

Minority Affairs Committee Award for Outstanding Scholastic Achievement

2002—Jamaica Lynn Prince, University of Florida
Honorable Mention: Yamaira I. González, University of Delaware

Outstanding Student Chapter Awards

Sponsor: Student Chapters Committee

2010 Recipients:

Georgia Institute of Technology
Illinois Institute of Technology
Kansas State University
Mississippi State University
Missouri University of Science and Technology
New Mexico State University
North Carolina State University
Northeastern University
Oklahoma State University
Oregon State University
University of California, Berkeley
University of Iowa
University of Kentucky
University of Kentucky, Paducah
University of Michigan
University of Virginia

Past Recipients:

2009—Brigham Young University; Bucknell University; Georgia Institute of Technology; Kansas State University; Mississippi State University; New Jersey Institute of Technology; New Mexico State University; Oklahoma State University; Oregon State University; Texas A&M University, College Station; University of California, Los Angeles; University of Iowa; University of Kentucky, Lexington; University of Kentucky, Paducah; University of Virginia

2008—Brigham Young University; Georgia Institute of Technology; University of Iowa; Kansas State University; University of Kentucky, Lexington; University of Kentucky, Paducah; Mississippi State University; New Mexico State University; New Jersey Institute of Technology; North Carolina State University; Oklahoma State University; Oregon State University; South Dakota School of Mines and Technology; Texas Tech University; University of Virginia

2007—Bucknell University; University of California, Davis; University of California, Santa Barbara; Georgia Institute of Technology; University of Iowa; Kansas State University; University of Kentucky, Lexington; University of Kentucky, Paducah; Mississippi State University; New Jersey Institute of Technology; Northeastern University; Oklahoma State University; Oregon State University; Rowan University; Texas Tech University

2006—Brigham Young University; University of Florida; Georgia Institute of Technology; University of Iowa; Kansas State University; University of Kentucky, Lexington; University of Kentucky, Paducah; Mississippi State University; New Jersey Institute of Technology; North Carolina State University; Northeastern University; Oklahoma State University; Oregon State University; University of Puerto Rico; Purdue University

2005—Georgia Institute of Technology; University of Iowa; Kansas State University; University of Kentucky, Lexington; University of Kentucky, Paducah; Michigan State University; Mississippi State University; New Jersey Institute of Technology; North Carolina State University; Northeastern University; Oklahoma State University; Oregon State University; Pennsylvania State University; University of Puerto Rico; University of Utah; University of Virginia

2004—Brigham Young University; Georgia Institute of Technology; Kansas State University; University of Kentucky, Lexington; University of Kentucky, Paducah; Mississippi State University; University of Missouri, Rolla; New Jersey Institute of Technology; North Carolina State University; Northeastern University; Oklahoma State University; Pennsylvania State University; University of South Carolina; Texas A&M University

2003—University of Colorado; University of Kentucky, Lexington; Georgia Institute of Technology; University of Iowa; Mississippi State University; Kansas State University; Brigham Young University; Florida Institute of Technology; University of Kentucky, Paducah; New Jersey Institute of Technology; North Carolina State University; Oregon State University; University of South Carolina; Purdue University; Oklahoma State University;

2002—Brigham Young University; University of Colorado; Florida Institute of Technology; Georgia Institute of Technology; Kansas State University; University of Kentucky, Lexington; University of Kentucky, Paducah; New Jersey Institute of Technology; North Carolina State University; Oklahoma State University; Purdue University

Outstanding Student Chapter Advisor Award

Sponsor: Bartlesville Local Section, with the generous support of ConocoPhillips

2010—Russ O'Dell, North Carolina State University

Past Recipients:

2009—David Silverstein, University of Kentucky, Paducah

2008—Edward M. Trujillo, University of Utah

2007—Tonya Kuhl, University of California, Davis

2006—Colin S. “Chip” Howat, University of Kansas

2003—I. Atly Jefcoat, Mississippi State University

SACHe Student Design Awards for Safety in Design

Sponsor: Safety and Chemical Engineering Education

The Walt Howard SACHe Individual Design Award

2010 Recipient—Ryan Gruell, Trine University

Past Recipients:

2009—Brian Ashenfelter, Trine University

2008—Kaitlyn Kelly, University of Kansas

2007—Jonathon Guscinski, Tri-State University

2006—Adel Ghaderi, Virginia Polytechnic Institute and State University

2005—Ben Koenigsknecht, Michigan State University

2004—Seth Holderman Sheldon

2003—Amber Rudy

2002—Traci Rector

The Jack Wehman Team Design Award

2010—Jason Crater, Joseph Masucci, Lindsey Mathews, Northeastern University

Past Recipients:

2009—Rhiannon Quirk, James Sims, Elizabeth Wienslaw, Northeastern University

2008—Wesley Biddle, Andrew Kemmerling, Edward Ralph Soliz, Jr., Lamar University

2007—Kanwal Abidi, Chad Jumonville, Arturo Rios, Jr., Lamar University

2006—Thomas Cobb, Achala Naphad, Brandi Ray, Lamar University

2005—Jon Fleener, Ryan Sistrunk, Kenny Proffitt, Lamar University

2004—David Burke, Jamie Triba, and Timothy Leong, Northeastern University

2003—Kevin Cash, Ellen Brennen, Jeffrey Pierce, Northeastern University

2002—Corey Harris, Katherine Rogers, Andrew Tillinghast, Rensselaer Polytechnic Institute

Safety & Health Division National Student Design Competition Award for Safety

Sponsor: Safety & Health Division

Ted Ventrone Award

Past Recipients:

2009—Brian Ashenfelter, Trine University

2008—M. Benyshek, K. Casad, A. Meiseman, Oklahoma State University

2007—T. Brennan, Michigan Technological University

2006—A. Ali, E. Beauregard, J. Kaye, University of New Hampshire

2005—Christopher Hill, Michigan Technological University; H. Marcy Hammer, Christopher Katinas, Rose-Hulman Institute of Technology; Zeena Kas, Mihai Manitiu, Wayne State University; Justin Guinn, Robert T. Taylor, Tim Plowman, Oklahoma State University

2004—Scott Roberts, Seth Holderman Sheldon, University of Kansas; David Burke, Jamie Triba, Timothy Leong, Northeastern University

2003—Ellen Brennan, Jeffrey Pierce, Kevin Cash, Northeastern University; Tom Sanders, Steve Dupuis, Wayne State University; Rebecca Hoffmann, Kristin Burford, Washington University (Saint Louis); Joshua Jandro, Nicole Winters, Amy McMartin, Joshua Grilly, Northeastern University

2002—Nathan Koehler, Jonathan Park, Ben Park, University of Cincinnati; Andrew Tillinghas, Washington University (Saint Louis); Katherine Rogers, Traci Rector, Jamie Cohea, Corey S. Harris, John Giusti, Matthew Stephens, Oklahoma State University

Ephraim Schier Award and Walt Silowska Award

2009—Jared Clark, Kristin Wallace, Afshan Samli, Oklahoma State University

SACHe Student Essay Award

Sponsor: The Safety and Chemical Engineering Education Committee of CCPS

Past Recipients:

2004—J. Pelt, Wayne State University

2003—C. Benton, Michigan Technological University

2002—Faith L. Taraglia, Brian Dunham

Honorable Mention: Margie Dickerson, Jededah James

SACHe Award for Inherent Safety in Design for the Chem-E-Car Competition

2010 Recipient—Ohio University

Past Recipients:

2009—Missouri University of Science and Technology

2008—The Cooper Union

Washington Internships for Students of Engineering (WISE)

AICHe-Sponsored Students

2010—Christina Wong, University of California at Los Angeles; Samuel Markolf, University of Texas at Austin; John Hennessy, Bucknell University

2009—Jennifer Christensen, Texas A&M; Sarah Widder, University of Washington; Steven Timothy, Cornell University

2008—Viktoriya Buchko, Georgia Institute of Technology; Nicholas Hoelik, Tufts University; Michaelangelo Tabone, University of Pittsburgh

2007—Travis Walker, South Dakota School of Mines and Technology

2006—Liz Morel, University of Kansas

2005—Nastassje Lewinski, Rice University

2004—Christina Borgese, University of California, Santa Barbara

2003—Melanie Chin, North Carolina State University; John Hillery, Colorado School of Mines

2002—Wayne Blaylock, Tennessee Technological University; Corinna Kester, University of Texas at Austin

Donald F. Othmer Sophomore Academic Excellence Award

2010 Recipients:

Taylor Brownlee, Arizona State University
 Ameya U. Vaidya, Auburn University
 Julie M. Swenson, Brigham Young University
 Henry H. Mattingly, Brown University
 Douglas Vogus, Bucknell University
 Elvira trabanino, California State Polytechnic University, Pomona
 Elizabeth Cole, Carnegie Mellon University
 Raquel S. Edwards, Christian Brothers University
 Jeremy T. Kearns, Clemson University
 Daniel X Quang, Cooper Union
 Eva Yi-Hsuan Huang, Cornell University
 Yakira Kirzner, Drexel University
 Austin Wagenhals, Florida Institute of Technology
 Benjamin Ivey, Georgia Institute of Technology
 Carol Mak, Illinois Institute of Technology
 Chih-Chieh Chan, Johns Hopkins University
 Steven J. Seiler, Kansas State University
 Ankit Chandra, Lafayette College
 Tiffany Nicole Bracken, Lamar University
 Alexandra J. Bourque, Lehigh University
 James Breen, Manhattan University
 Robert P. Hasselbeck, Michigan State University
 Eric J. Merkle, Mississippi State University
 Eric Matthew Moritz, Missouri University of Science and Technology
 Amanda Sandoval, New Mexico State University
 Jordan r. Keith, North Carolina State University
 Thomas J. Dusseault, Northeastern University
 Charlie Tsai, Northwestern University
 Lingchong Mai, Ohio University
 Jason Curwell, Oklahoma State University
 Matthew L. Arroz, Polytechnic Institute of NYU
 Jordan Dykes, Rensselaer Polytechnic Institute
 Nancy T. Juang, Rice University
 Megan E. Forshey, Rose-Hulman Institute of Technology
 Brigid Burgin, Rowan University
 Daniel E. Hines, South Dakota School of Mines & Technology
 Yuk Mun Li, Syracuse University
 Jared Martinez, Alejo, Tecnológico de Monterrey
 Valerie Coulter, Trine University
 Timothy Purdie Jr., Tuskegee University
 Seth Johnson, United States Military Academy
 Jessica Hung, University of Arizona
 Allison G. McAtee, University of Arkansas
 Paul Kim, University of British Columbia
 Kevin Tay, University of California, Davis
 Nathan Konopliv, University of California, San Diego
 Axel Finn Palmstrom, University of California, Santa Barbara
 Tulsi Patel, University of Connecticut
 Mary Untener, University of Dayton
 Nathan Yergenson, University of Idaho
 Kelly Susan McConnell, University of Iowa
 Megan Ketchum, University of Kansas
 Anastasia M. Kruse, University of Kentucky, Lexington
 Corey Draffen, University of Kentucky, Paducah
 Caleb Breaux, University of Louisiana Lafayette
 Michael Lawson, University of Louisville
 Prajesh Gongal, University of Maine

James Lee, University of Michigan
 Justin Nelson, University of Minnesota, Twin Cities
 Caroline Williams, University of Mississippi
 David Robert Guinta, University of Missouri, Columbia
 Matthew Bowar, University of Nebraska, Lincoln
 Diane Mar, University of Nevada, Reno
 Nathan P. Thomas, University of New Hampshire
 Morgan Dart, University of New Haven
 Clinton Wiener, University of North Dakota
 Stephen J. Lantz, University of Pennsylvania
 Lindsay D. Lozeau, University of Rhode Island
 David Wituszynski, University of Rochester
 Trent Thomas, University of South Alabama
 Eric Holmes, University of Toledo
 John Patrick Eason, University of Tulsa
 Colby Kirk Ashcroft, University of Utah
 Yong Yi Wu, University of Virginia
 David S. Bergsman, University of Washington
 Kathryn E. Maxwell, Vanderbilt University
 Carolyn R. Shurer, Virginia Polytechnic Institute and State University
 Benjamin Garrett, Washington State University
 Phyllis Wang, Washington University in St. Louis
 Lauren V. Gioia, West Virginia University
 Tiffany M. Sherburn, Western Michigan University

2009 Recipients:

Charlee Allen, Oklahoma State University
 Eric Anderson, University of Minnesota, Twin Cities
 Rachel Babij, University of Virginia
 Kevin Baldrige, University at Buffalo
 Carl Beigie, Rowan University
 Kristen Bellmer, Western Michigan University
 Amy Boyer, University of North Dakota
 Christina Butcher, Tennessee Technological University
 Benjamin Campbell, Brigham Young University
 Kelly Carver, Bucknell University
 Kalee Cassady, Washington University, St. Louis
 Stephanie Childress, Tulane University
 Josh Coon, University of Utah
 Jeffrey DeLiso, Cornell University
 Christopher Dollarhide, South Dakota School of Mines and Technology
 Helen Durand, University of California, Los Angeles
 Julia Faeth, University of Dayton
 Jared Funston, University of New Mexico
 Jeff Galle, University of Maine
 Spencer Glantz, University of Pennsylvania
 Lonna Gordon, Polytechnic University of New York
 Douglas Hall, Mississippi State University
 Emma Hallett, University of Akron
 David Harris, Auburn University
 Nicholas Hoefl, Rice University
 Megan Hums, Widener University
 Lauren Huyett, Lafayette College
 Todd Janowiecki, University of Toledo
 Alan Kondo, Lamar University
 Kayla Kutter, University of Tulsa
 Marsh Lampi, Oregon State University
 Alexandra Landry, North Carolina State University
 Ryan Lang, Ohio University

Ryan Lee, University of Arkansas
Kevin Lepre, University of South Alabama
Kelsey Lindenschmidt, Northwestern University
Maria Luna Loya, University of Louisiana, Lafayette
Tomoaki Matsuo, University of Alabama, Huntsville
Jordan Milligan, Rose-Hulman Institute of Technology
Caitlin Mitchell, Colorado State University
Raena Morley, University of Rhode Island
Nabil Morris, Northeastern University
Kirby Myers, University of Nevada, Reno
Divya Nagarkar, Georgia Institute of Technology
Maya Nair, University of Idaho
Cody Narciso, Florida Institute of Technology
Bethany Nicholson, Illinois Institute of Technology
Erik Nordwald, University of Missouri, Columbia
Andrew Pebley, University of California, Santa Barbara
Molly Peterson, University of Louisville
Phuc Phan, Christian Brothers University
Vrej Pilavdjian, Manhattan College
Laura Posner, University of Rochester
Roberto Rivera, University of Puerto Rico, Mayaguez
Christina Rosati, Villanova University
Justin Rosch, Clarkson University
Cory Sarks, Trine University
Jason Schneemann, Michigan State University
Brian Schwab, University of Connecticut
Jessica Scott, Arizona State University
Kristen Severson, Carnegie Mellon University
Raymond Smith, Clemson University
Colin Smith, Washington State University
Patrick Stanley, Missouri University of Science & Technology
Adrian Stecula, University of Michigan, Ann Arbor
George Sunderland, Vanderbilt University
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My-Anh Tran, Drexel University
Kevin Turner, Kansas State University
Rachel Wallner, New Jersey Institute of Technology
Cary Warsetsky, University of Florida
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Michelle Wilson, New Mexico State University
Katherine Wolcott, Syracuse University
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Megan Wilson, Bucknell University
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Marisa Beth Haire, Illinois Institute of Technology
Nicholas Erdenberger, Johns Hopkins University
Szu-Ying Chen, Lafayette College
Gianna Mingino, Manhattan College
Logan Matthews, Michigan State University

Shane Daniel Abless, Mississippi State University
Adam Ashworth, New Mexico State University
Brian Gregory Schuster, North Carolina State University
Christopher James Stamper, Oklahoma State University
Brynn Livesay, Oregon State University
Sofia Akhter, Polytechnic Institute of NYU
Eric M. Kamer, Rose-Hulman Institute of Technology
Maxwell H. Walens, Rowan University
Matthew Allen David Huber, South Dakota School of Mines & Technology
Owen P. Jappen, Stevens Institute of Technology
Gerardo Alonso Escamilla Garcia, Tecnológico de Monterrey
Lisa Liu, The Cooper Union
Antonio Lee, Trine University
Zachary Robinson, United State Military Academy
Jefferson D. Lee, University of Arizona
Megan Low, University of British Columbia
Dawn Leung, University of California, Davis
Michael J. Ignatowich, University of Connecticut
Lydia Hudak, University of Dayton
Sara Elizabeth Riggins, University of Idaho
David Spencer, University of Kentucky, Lexington
Mitchell Peeler, University of Kentucky, Paducah
Marc Beauchemin, University of Maine
Spencer Wyant, University of Massachusetts, Amherst
Aaron Moeller, University of Mississippi
Beau Rothwell, University of Missouri, Columbia
Travis Jackson, University of Nebraska, Lincoln
Phylcia Cicilio, University of New Hampshire
Brandie Roy, University of New Haven
Ashley Burns, University of North Dakota
Andrew Grace, University of Pennsylvania
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Mikkhael Allen O'Dell, University of Michigan

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Thomas Black, Florida Institute of Technology
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Christopher Denison, University of Akron
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Daniel Gomez, Tecnológico de Monterrey
Matthew Howard, University of Maine
Dominique Ingato, University of Pennsylvania
Azurae Johnson, Tennessee Technological University
Prateek Katti, University of Massachusetts, Amherst
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John Moh, University of Florida
Mary Murdock, Mississippi State University
Laura Musick, University of Missouri-Columbia
Devor O'Connor, University of Nebraska-Lincoln

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continued

Scott Paradise, Bucknell University
Tulsi Patel, University of Connecticut
Samiksha Poudyal, Brigham Young University
Jordan Punt, University of North Dakota
Megan Robinson, Auburn University
Nicholas Rowland, Michigan State University
Sheena Sanchez, Widener University

Justin Sierpinski, Manhattan College
Kirk Smith, University of Utah
Vincent Sung, University of California, Los Angeles
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 E. Dendy Sloan
 Benjamin F. Smith
 Cecil L. Smith
 Julian C. Smith
 Robert Hugh Smith
 Verity C. Smith
 Eugene B. Snell
 Richard H. Snow
 John A. Sofranko
 Ponisseril
 Somasundaran
 Jude T. Sommerfeld
 Andrew D. Soos
 Diane K. Spencer
 William T. Sperry
 Maurice Spielman
 Harold D. Spriggs
 Arnold F. Stancell
 George B. Stanton
 Kenneth E. Starling
 Paul L. Stavenger
 Paul C. Steacy
 John L. Steimke
 Fred P. Stein
 Meyer Steinberg
 George Stephanopoulos
 S. Alexander Stern
 Raymond P. Stickles
 Robert D. Stief
 Lawrence O. Stine
 Paul D. Stone
 Max Strawn
 Stanley K. Stynes
 R. Shankar Subramanian
 Sam L. Sullivan
 William T. Sullivan
 Sankaran Sundaresan
 Carl B. Sutton
 George A. Swan
 Paul Szabo
 Edward F. Take
 Yu-sun Tang
 John C. Tao

Luh C. Tao
 Barry L. Tarmy
 Lawrence L. Tavlarides
 Glenn E. Taylor
 Cheryl I. Teich
 Aryn S. Teja
 Aaron J. Teller
 Norman J. Tetlow
 Louis J. Thibodeaux
 William J. Thomson
 Chi Tien
 John W. Tierney
 Frank M. Tiller
 Klaus D. Timmerhaus
 David B. Todd
 Terry L. Tolliver
 Herbert L. Toor
 C. Joseph Touhill
 Freddie J. Touro
 Gavin P. Towler
 William R. Trutna
 Theodore T. Tsotsis
 Page S. Ufford
 James S. Ultman
 Ravindra S. Upadhye
 James C. Upchurch
 Joseph F. Valle-riestra
 Kalliat T. Valsaraj
 Vincent Van Brunt
 Everett W. Van Ness
 William D. Van Vorst
 Carl R. Vander Linden
 Arvind Varma
 George Vassilatos
 Dabir S. Viswanath
 Donald L. Vives
 Bipin V. Vora
 David E. Wainwright
 Stanley M. Walas
 Walter P. Walawender
 Marten D. Walters
 Phillip Charles Wankat
 Julian R. Ward
 Charles H. Ware
 Darsh T. Wasan
 Jack S. Watson
 Peter C. Wayner
 Jack Weaver
 Thomas W. Weber
 Alfred E. Wechsler

Vern W. Weekman
 Albert H. Wehe
 James Wei
 S. S. Weidenbaum
 Alan W. Weimer
 Robert F. Weimer
 Steven C. Weiner
 Alvin H. Weiss
 Paul B. Weisz
 Robert M. Wellek
 Jost O. Wendt
 Arnold S. West
 Phillip Ray Westmoreland
 Thomas D. Wheelock
 Mark G. White
 Moye Wicks
 Paul R. Wieber
 Irwin A. Wiehe
 Lehmon Bruce Wiggins
 William R. Wilcox
 Daniel E. Wiley
 Ronald J. Willey
 Curtis C. Williams
 Stephen T. Williams
 Theodore J. Williams
 John H. Wing
 Philip W. Winkler
 Lloyd Winsor
 Richard E. Winston
 Jaime Wisniak
 Samuel G. Woinsky
 David Wolf
 Melvin Wolkstein
 Donald R. Woods
 John L. Woodward
 Claudia N. Wright
 John R. Wright
 Ralph T. Yang
 Wen-Ching Yang
 Neil Yeoman
 S. Shariq Yosufzai
 Edwin H. Young
 Alan Zagoria
 Jacques Louis Zakin
 William H. Zamzow
 Joseph A. Zang
 Frederick A. Zenz
 Richard L. Zollars

As Amended to January 17, 2003

Article I Name

The name of this corporation is AMERICAN INSTITUTE OF CHEMICAL ENGINEERS, and its abbreviated title is AIChE.

Article II Objectives

The objectives of the Institute are (1) to advance chemical engineering in theory and in practice, (2) to maintain a high professional standard among its members, (3) to serve society, particularly where chemical engineering can contribute to the public interest.

Article III Definition of the Profession

Chemical engineering is the profession in which a knowledge of mathematics, chemistry, and other natural sciences gained by study, experience, and practice is applied with judgement to develop economic ways of using materials and energy for the benefit of mankind.

Article IV Membership

Section 1 The membership of the Institute shall consist of FELLOWS, SENIOR MEMBERS, MEMBERS, and STUDENT MEMBERS. A candidate for election to any grade of membership shall be engaged in an activity and possess scientific knowledge or practical experience which qualify the candidate to cooperate with engineers in the advancement of chemical engineering knowledge and practice.

(a) FELLOWS shall have the exclusive privileges of representing themselves as Fellows, of wearing the emblem of Fellow, and shall also have all the privileges of Senior Members.

(b) SENIOR MEMBERS shall have the exclusive privileges of representing themselves as Senior Members, of wearing the emblem of membership, of holding office, and of voting on amendments to this Constitution, and shall also have the privileges of nominating and voting for officers and directors and the privileges that are common to all classes of membership.

(c) MEMBERS shall have the exclusive privileges of representing themselves as Members and of wearing the emblem of membership, and shall also have the privileges of nominating and voting for officers and directors and the privileges that are common to all classes of membership. They shall also have the privileges of holding office and of voting on amendments to this Constitution after 4 years as a Member (a 4-year Member). A Member may, after regular application and election, become a Senior Member.

(d) STUDENT MEMBERS shall have the exclusive privileges of representing themselves as Student Members and of wearing the emblem of membership, and shall also have the privileges that are common to all classes of membership, but not the privileges of nominating, voting, and holding office. A Student Member may not retain this class of membership beyond the end of the calendar year in which he or she is last enrolled as a student.

Section 2 All applications for membership shall be made to the Office of the Secretary in writing, signed by the applicant, in such form and in such detail as may be prescribed by the Board of Directors, and shall be referred to the Committee on Admissions.

Section 3 Election to membership shall be by vote of the Committee on Admissions. Election to Fellow shall be by vote of the

Board of Directors upon nomination by five Fellows or Senior Members. Past Presidents of AIChE are exempt from the nomination requirement. All nominations and recommendations shall be held in strict confidence by the Committee and by the Board.

Section 4 An applicant shall subscribe to the Constitution and By-laws of the Institute and to its Code of Ethics upon acceptance of membership.

Section 5 Membership in the Institute may be terminated:

- (a) By formal resignation.
- (b) By expulsion.
- (c) By extended delinquency.
- (d) By expiration of Student Membership as provided in Section 1(d).

Section 6 Any member may be suspended for a time, or expelled, by the Board of Directors by a two-thirds vote of the entire membership of the Board, if, in the opinion of the Board, the member is guilty of professional misconduct, or of abuse or misuse of the privileges of Institute membership, or of action prejudicial to the best interests of the Institute or profession. All charges against a member shall be prepared and filed in writing with the Office of the Secretary for submission to the Board of Directors.

Section 7 Anyone whose membership has been terminated may at any time apply for membership, and such application shall be presented and treated like other applications for membership, provided all sums owed to the Institute by such applicant be first paid in full.

Article V Officers and Directors

Section 1 The officers of the Institute shall be the PRESIDENT, the PRESIDENT-ELECT, the SECRETARY, and the TREASURER. The directors of the Institute shall be the 4 officers, the most recent living PAST PRESIDENT, and the 12 elected directors, who together shall constitute the Board of Directors. The duties of the officers and directors shall be those usually pertaining to their offices.

(a) The PRESIDENT-ELECT shall succeed to the presidency and serve as PRESIDENT for a term of one year beginning January 1 following the annual election. If prior to the preparation of the official ballots for the annual election, the office of PRESIDENT-ELECT is not occupied by someone duly elected by the membership, or if the PRESIDENT-ELECT is unable to serve as PRESIDENT, the Nominating Committee shall nominate at least two candidates for PRESIDENT who shall then be elected by the members as hereinafter provided.

A PRESIDENT who has been elected to the office or who has succeeded to the office as provided above shall not be eligible for re-election or for election to PRESIDENT-ELECT for the next ensuing term. A PRESIDENT who has been appointed to fill an unexpired term as provided in Section 3 shall be eligible for nomination and re-election for the next ensuing term.

(b) The PRESIDENT-ELECT shall be elected annually for a term of one year beginning January 1 following the annual election.

(c) The SECRETARY shall be elected every third year for a term of three years beginning January 1 following his/her election. The term of the SECRETARY will be offset by one year with respect to the term of the TREASURER. An elected SECRETARY who has been elected to an unexpired term as provided in Section 3 shall be eligible for re-election to no more than two additional terms.

(d) The TREASURER shall be elected every third year for a term of three years beginning January 1 following his/her election. An

elected TREASURER who has been elected to an unexpired term as provided in Section 3 shall be eligible for re-election to no more than two additional terms.

(e) Four directors shall be elected each year for terms of three years each beginning January 1 following the annual election.

(f) An elected director who is serving a full term shall not be eligible for re-election until the election next following the expiration of his/her full term. An elected director who has been elected to an unexpired term as provided in Section 3 shall be eligible for re-election.

(g) The office of an elected director who has been absent from a majority of the regular Board of Directors meetings during a calendar year may be declared vacant by a majority vote of the entire Board.

Section 2 All officers and directors shall be Fellows, Senior Members or 4-year Members of the Institute. The President (in those instances required under Section 1(a)), President-Elect, Secretary, Treasurer, and the directors shall be elected by the Fellows, Senior Members, and Members.

(a) The Board of Directors shall appoint a Nominating Committee, composed of at least 5 Fellows, Senior Members, or Members, which shall draw up, no later than 35 weeks prior to the Annual Meeting, an election ballot containing the names of at least 2 nominees for President (when required by Section 1(a)), President-Elect, Secretary (when required by Section 1(c)), Treasurer (when required by Section 1(d)), and for each directorship to be filled, all of whom have agreed to serve if elected. The Nominating Committee shall include on the election ballot the name of any qualified Fellow, Senior Member, or 4-year Member whose nomination for President-Elect, Secretary, Treasurer, or Director (but not President) is supported in writing by 100 or more Fellows, Senior Members, or Members, filed with the Office of the Secretary not later than 25 weeks prior to the Annual Meeting, and who has agreed to serve. Nominees for President, President-Elect, Secretary, and Treasurer must have served as officers or directors.

(b) If there are more than two nominees for the office of President (when required by Section 1(a)), President-Elect, Secretary (when required by Section 1(c)), or Treasurer (when required by Section 1(d)), a preferential ballot shall be used. The ballot should afford the voter an opportunity to indicate first, second, third choices, etc., up to one less than the total number of nominees. If one candidate receives a majority of first choices, that candidate shall be declared elected. If no candidate receives such a majority, the candidate receiving the lowest number of first choices shall be eliminated and the second choice preferences on the ballots so eliminated shall be added to the first choice totals of the other candidates. Similarly, the third choice preferences on the eliminated ballots shall become second choice preferences, the fourth shall become third, etc. This procedure shall then be repeated as many times as necessary, to establish a majority for one candidate, who shall then be declared elected. Ballots of the eliminated candidate that have not indicated other choices shall be void in the subsequent counts. The official election ballot shall be sent not later than nine weeks prior to the Annual Meeting to each Fellow, Senior Member, and Member, who shall properly signify on it his/her choice for the various officers and directors and transmit it to the Office of the Secretary. The election period shall be five weeks, beginning with the record date of sending the ballots to the membership. Ballots received after that period shall be rejected.

(c) The ballot shall be completed in accordance with established instructions provided with the ballot, and returned to the Office of the Secretary. These instructions shall be established by the Executive Director and approved by the Board of Directors to ensure the confidentiality and integrity of the voting process. Ballots not conforming to this procedure shall be declared invalid and rejected.

(d) The Office of the Secretary shall appoint tellers to whom the Office of the Secretary shall deliver all the election ballots that have been received. They shall verify the count of the ballots, and report the results to the Board of Directors, which shall declare elected those candidates for whom the greatest number of votes were cast for the directorships to be filled, and for whom a majority of votes were cast for the offices (President, President-Elect, Secretary, Treasurer) to be filled. The Secretary shall announce the result at the Annual Meeting. In the case of a tie vote, the office shall be filled by the Board of Directors from among those tied for the office.

(e) Immediately after the election, the Office of the Secretary shall notify in writing all successful candidates of their election, and each elected officer and director shall accept the duties of the office in a written statement to the Office of the Secretary before the beginning of his/her term of office.

Section 3 Vacancies occurring in any office or among elected directors shall be filled by vote of the Board of Directors for any unexpired portion of the calendar year. The Board of Directors shall continue to fill any such vacancy until a successor can be chosen by regular nomination and elected as provided in Section 2.

Article VI Board of Directors

Section 1 The officers, elected directors, and the most recent living Past President, as the directors of the Institute, constituting the BOARD OF DIRECTORS, shall have supervision and care of all property of the Institute and shall transact all business of the Institute for it and on its behalf. The Board of Directors, unless the Constitution and Bylaws provide otherwise, may delegate authority as it deems desirable.

Section 2 There shall be an Executive Committee of the Board of Directors which shall consist of the President as Chair, the President-Elect as Vice Chair, the Secretary, the Treasurer, and the most recent living Past President. It shall act for the Board on items of business delegated to it by the Board, and when the Board is not in session, the Executive Committee shall manage the affairs of the Institute and take such actions as are consistent with the Board of Directors' delegations.

Section 3 The Board of Directors shall employ an Executive Director and may provide him/her with assistants and equipment. The Executive Director shall perform such duties as the Board of Directors may direct and shall render regular reports to the Board of all his/her activities.

Section 4 In the event of vacancy in the office of Executive Director, the Executive Committee shall appoint an Acting Executive Director to serve until such time as the Board of Directors has filled the Office of Executive Director.

Section 5 A majority of the Board of Directors shall constitute a quorum at any meeting. Meetings may be held by teleconference, videoconference or other electronic means, and votes may be cast either in person, by mail, or by electronic means.

Section 6 The Board of Directors shall prepare and adopt a set of Bylaws in conformity with the Constitution, which together with the Constitution shall govern its procedure and that of the Institute. Such Bylaws shall be adopted or may be amended by a two thirds vote of the whole Board of Directors; provided that the text of a proposed Bylaw, or proposed amendment thereto, shall be furnished to each director at least ten days before the meeting at which a vote is to be taken.

Section 7 The Board of Directors shall establish such committees as it may consider necessary. The Committee on Admissions and the Committee on Ethics shall be chosen from the Fellows and Senior Members of the Institute. The membership of other committees may include Members.

Section 8 The Board of Directors may authorize the organization of divisions, of local sections, and of student chapters under such regulations as it may formulate, retaining the right to discontinue any Division, Section, or Chapter that does not comply with the regulations.

Article VII General

Section 1 The Institute shall be governed by its Constitution and Bylaws in conformity with the laws of the State of New York, under which it is incorporated, and of the United States.

Section 2 All matters properly brought in question shall be decided by a majority of the votes cast, except where the Constitution or Bylaws provide for a greater ratio of favorable votes.

Section 3 In the case of any question concerning the interpretation of any portion of the Constitution or Bylaws, the decision of the Board of Directors shall be final.

Section 4 The Institute shall not be held responsible for unauthorized opinions of its members, no matter how or where expressed.

Section 5 The Institute does not consent to the use of its name for any purpose other than the objects stated in the Constitution.

Section 6 The date of the Annual Meeting of the Institute shall be as provided by the Bylaws.

Article VIII Amendments

Section 1 All proposed amendments to this Constitution shall be reduced to writing.

Section 2 Amendments to this Constitution may be proposed by a resolution of the Board of Directors, or by a petition addressed to the Board of Directors signed by not less than two percent of those holding the grade of Fellow, Senior Member, or 4-year Member as of December 31 of the year preceding the submission of the petition.

Section 3 Amendments proposed by petition shall be considered at the next two regular meetings of the Board of Directors following receipt of the petition.

Section 4 Any proposed amendment, whether by resolution of the Board of Directors or by petition, shall, after due consideration by the Board, be offered for discussion at a general meeting of the Institute.

Section 5 Adoption of the proposed amendment or amendments shall be by ballot of the Fellows, Senior Members, and 4-year Members after discussion at a general meeting, as provided in the following paragraphs (a through d). (a) Within 30 days after such discussion, the Office of the Secretary shall send to each Fellow, Senior Member, and 4-year Member a copy of the amendment or amendments proposed for adoption, with a ballot, together with a copy of any recommendations the Board of Directors may wish to make. (b) All votes to be counted shall be returned to the Office of the Secretary and be received before a date specified on the ballot. This date shall not be less than 60 days or more than 70 days after the date the ballots are sent to the Fellows, Senior Members, and 4-year Members. (c) The count of votes shall be verified by two tellers appointed by the Board of Directors and the results reported to the Board at its next meeting. (d) If the total vote is not less than 20 percent of the total number of Fellows, Senior Members, and 4-year Members and if 75 percent or more of all votes received are in favor of the proposed amendment or amendments, they shall forthwith become a part of the Constitution. If the total vote is less than 20 percent of the total number of Fellows, Senior Members, and 4-year Members, the proposed amendment or amendments may, on recommendation of the Board of Directors, be resubmitted to the Fellows, Senior Members, and 4-year Members.

Section 6 Without changing their import, the Board of Directors may re-number the various articles and sections of the Constitution.

As Amended to November 5, 2010

Section I – Membership

1. A nominee for election to Fellow shall have been in the chemical engineering practice for an adequate period of time to demonstrate long-term excellence, normally 25 years, and shall have been an AIChE member for at least 10 years, at least 3 years of which shall be in the grade of Senior Member.

Election to Fellow shall be in recognition of professional service and significant accomplishment in engineering. Contribution in one of these areas shall be outstanding, and some contribution in both areas is necessary.

(a) Professional attainment shall be based on contribution to the professional advancement of chemical engineers and the engineering profession and valuable service to the AIChE. Service and achievement in other professional societies may also be considered.

(b) A nominee shall receive credit toward the chemical engineering practice requirement of one year for an earned master's degree or two years for an earned doctoral degree, either in chemical engineering, or in natural science or engineering other than chemical engineering from a school of recognized standing.

(c) Significant accomplishments in engineering shall be based on process or product developments, project leadership, managerial achievement in bringing engineering efforts to fruition, the educating of engineers, technical publications, patents, or theoretical developments.

(d) The number of Fellows at any time shall be limited to five percent of the sum of the number of Fellows, Senior Members, and Members.

2. A candidate for election as SENIOR MEMBER shall be proficient in chemical engineering, defined in Article III of the Constitution, and shall fulfill the requirements as set forth in one of the following six paragraphs (a through f).

(a) A candidate who holds an earned degree in chemical engineering, or the equivalent, from a school of recognized standing shall have had at least the following number of years experience in chemical engineering practice:

Bachelor's degree	Four years
Master's degree	Three years
Doctoral degree	Two years

(b) A candidate who holds (1) an earned degree in chemical engineering, or the equivalent, from a school not of recognized standing, or (2) an earned degree, or the equivalent, in natural science or engineering other than chemical engineering from a school of recognized standing, shall have had at least the following number of years experience in chemical engineering practice:

Bachelor's degree	Six years
Master's degree	Five years
Doctoral degree	Four years

(c) A candidate who holds an earned baccalaureate degree, or the equivalent, in natural science or engineering other than chemical engineering from a school not of recognized standing, shall have had at least six years' experience in chemical engineering practice.

(d) A candidate who holds an earned baccalaureate degree, or the equivalent, in a field other than engineering or natural science shall have had at least eight years' experience in chemical engineering practice.

(e) A candidate who holds no baccalaureate degree shall have had at least ten years' experience in chemical engineering practice.

(f) A candidate who has had chemical engineering training and who is a recognized authority or writer on chemical engineering subjects shall have attained eminent standing in the profession.

3. A candidate for election as MEMBER shall be engaged in an activity and possess scientific knowledge or practical experience which qualify the candidate to cooperate with engineers in the advancement of chemical engineering knowledge and practice.

4. A candidate for election as STUDENT MEMBER shall be enrolled as a student in a curriculum leading to a degree in engineering and shall be interested in chemical engineering as a profession.

5. The EXECUTIVE DIRECTOR shall be a Senior Member, 4-year Member, or Fellow of the Institute.

Section II - Meetings of the Institute

1. The Annual Meeting of the Institute shall be held in November or December, the exact date and place to be fixed by the Executive Director, subject to change thereof by the Board of Directors or the Executive Committee of the Board of Directors.

2. Other meetings of the Institute, which may include special meetings for the transaction of the Institute's business, may be held at times and places fixed by the Executive Director, subject to change thereof by the Board of Directors or the Executive Committee.

3. Written notice of the Annual and of all other meetings of the Institute, for the transaction of business shall be mailed by the Office of the Secretary to Fellows, Senior Members, and Members at least three weeks in advance thereof.

4. A quorum at any meeting of the Institute for the transaction of business shall be at least 100 Fellows, Senior Members, and Members.

5. The order of business at any Annual Meeting of the Institute shall be arranged in advance by the Executive Director, subject to changes by the Board of Directors or the Executive Committee prior to the meeting and subject to changes at such a meeting by a two-thirds vote of the Fellows and Senior Members present and voting, and shall include:

- Report of the Board of Directors
- Report of the Treasurer
- Stated Business
- Report of Tellers on election of Officers and Directors.

6. At any meeting any procedural question requiring a ruling not provided for in the Constitution or Bylaws shall be decided in accordance with the current edition of "The Modern Rules of Order - A Guide for Conducting Business Meetings" by Donald A. Tortorice.

7. Detailed arrangements for all meetings of the Institute shall be the responsibility of the Executive Director, who will act in cooperation with the Local Section, if organized, in the territory where the meeting is to be held.

8. Registration fees for meetings of the Institute shall be as determined by the Executive Director.

9. Charges made at meetings for individual events, such as luncheons, dinners, special events, and bus trips, shall be fixed to cover estimated cost.

10. Funds for financing meetings of the Institute shall not be solicited by local committees from sources outside the Institute except by express authorization of the Board of Directors.

11. Within a reasonable time after the close of a meeting of the Institute, the Local Section sponsoring the meeting shall supply to the Executive Director a statement of all receipts and expenditures.

12. Any surpluses from meetings of the Institute shall be paid into the treasury of the Institute.

Section III - Meetings of the Board of Directors

1. Meetings of the Board of Directors for the transaction of the business of the Institute shall be held on call of the President, the Office of the Secretary, or a majority of the Board of Directors. At least three such meetings shall be held each year.

2. Written notice of stated meetings shall be sent by the Office of the Secretary to all members of the Board of Directors at least ten days in advance thereof.

3. The minutes of each Board of Directors meeting shall be submitted by the Office of the Secretary for approval or correction. A report from the Treasurer shall be submitted at each Board of Directors meeting. The order of business may be changed, or any item of business dispensed with, by a two-thirds vote of the members present at any meeting.

Section IV - Budget

1. A budget for the next year shall be submitted to the Board of Directors by the Executive Director, after consideration by the Executive Committee, not later than the last scheduled meeting of the Board of Directors in the year preceding.

Section V - Fees and Dues

1. The Board of Directors shall set full annual dues each year.

2. An initiation fee for new members shall be 25% of full member dues. A reapplication fee for former members shall be 20% of full member dues.

3. Dues shall bear a relationship to the number of years since the member's baccalaureate graduation in engineering or natural science. (In the absence of such a degree, an individual's date of election to membership shall be substituted for the year of bachelor's degree.) Dues will be reduced to 50% for members when they reach the earliest date of eligibility for full retirement as defined by the Social Security Administration.

Percentage of dues (rounded to the nearest dollar) are as follows:

Year of baccalaureate degree	50% of full dues (prorated)
1-2 years after graduation	50% of full dues
3 or more years after graduation	100% (full) dues
Eligibility for full retirement	50% of full dues
Emeritus members (see #4)	25% of full dues
Graduate and post-doctoral students	25% of full dues
Undergraduate students (sponsored)	\$0
Undergraduate international students (annual dues)	\$15 annual fee
Life Members (20 years from year of baccalaureate graduation)	10 x full dues

(Fulfills obligation for remainder of their lives)

Student Credit Policy: Undergraduate student members converting to Member grade will receive a 10% credit of full dues for a period of years equal to their years of paid student membership.

4. Beginning with the earliest year they reach eligibility for full retirement as defined by the Social Security Administration, with at least 35 years regular (non-student) dues-paying membership, members shall have the option to declare themselves Emeritus, with all the privileges of membership.

5. Legal relations residing at and using the same address shall be entitled to pay the dues of the member having the higher dues

(if a difference exists), plus one-half dues for the other member.

6. The Board of Directors may establish a category of suspended membership, without dues payment, for: a) members on active duty in the Armed Forces during times of military conflict; or b) the Peace Corps for up to two years. Verification is required.

7. In the case of a member's total disability or other special circumstances, the Executive Director may waive the dues of any member with continuance of full service. The Executive Director shall periodically advise the Board of Directors of the number of members whose dues have been waived under this Section. A member who has been a dues-paying member for at least ten years may request disabled status by writing the Executive Director and furnishing proof of total disability as defined by the Social Security Administration.

8. Unemployed members may request in writing that their dues be reduced to 25% of full dues for a period not to exceed two years. A member receiving any kind of pension does not qualify. Members remain in good standing and receive full services while dues are reduced. For members who have never been dues-paying Senior Members or Members, the maximum period of dues reduction is one year.

9. A special "Family Situation Dues" category is offered for individuals who are unemployed or part-time employed due to caregiving responsibilities. For these individuals, dues will be 25% of full dues. It is available to any member who: 1) has paid at least one year of full dues, based on either a student or employed member status, and 2) is staying home to care for children, ill, disabled, or elderly family members or live-in companions. It is not available to members receiving pensions, or who are involuntarily unemployed. A time limit of five years, either consecutively, or in increments not shorter than one year, apply. This limit will not affect the member's entitlement of up to two additional years of dues waiver for unemployment. Such members will enjoy full membership privileges, consistent with their class of membership, and will be entitled to registration fees at 25% of the full rate at meetings. A member must request this status in writing stating the nature of the specific family situation.

10. The Board of Directors may reduce dues for members in countries where economic development and income levels lag standards in more developed countries. Such reduced dues shall be based on fractions of full membership dues. At the Board's discretion, further adjustment may be made for residents of countries eligible for reduced dues who also belong to membership classes listed in paragraph 3 of this section, or who are covered by special categories referenced in paragraphs 4 through 9 of this section.

11. Membership shall commence on the first day of the month following election to membership. New members must pay dues in advance of receiving membership benefits and privileges for the membership year. Dues shall be prorated accordingly.

12. Membership will be renewed annually. Dues are to be billed and paid in advance of the annual membership renewal date.

13. A grace period, to be determined by the Board of Directors, may be extended to members in arrears. During the grace period, members will continue to receive membership discounts and services. At the end of the grace period, should dues still be in arrears, membership will be considered delinquent and all membership benefits and services will be suspended.

14. Membership will be revoked for non-payment of dues beyond a period of delinquency that is determined by the Board of

Directors. Delinquent members may reinstate their membership in good standing at any time during the period of delinquency by payment in full of all dues then due and payable. They shall be entitled to receive membership benefits and services commencing with the month following that in which the payment is made.

Section VI – Publications

1. The official membership publication of the Institute is Chemical Engineering Progress.

2. (a) All matters pertaining to the technical publications of the Institute shall be directed by the Executive Director.

(b) The Publication Committee shall study and evaluate the publication activities of the Institute with the Executive Director and make recommendations to the Board of Directors, and act in an advisory capacity to the Executive Director.

(c) The editors of the Institute publications are authorized to appoint advisory boards from among the membership to advise and consult with the editors on editorial policies.

3. Each dues-paying Fellow, Senior Member, Member or Graduate Student Member of the Institute shall receive a subscription to the official membership publication of the Institute, except that members age 65 and over shall indicate by written request to the National Office whether they wish to receive the publication.

4. Undergraduate student members receive only online access to the official membership publication of the Institute.

5. Papers presented at Institute sponsored meetings remain the literary property of the author(s) or the author's employer, and the author(s) or their employers shall retain copyright interest in their property.

6. Papers accepted for publication by the Institute in one of its publications shall be published only on condition that a formal transfer of copyright is executed by the copyright holder.

Section VII – Operating Councils

1. To provide tactical management of AIChE's operating entities, there shall be three Operating Councils: the Career and Education Operating Council (CEOC), the Chemical Engineering Technology Operating Council (CTOC) and the Societal Impact Operating Council (SIOC), each of which reports to the Board of Directors (BOD). Other entities which do not report directly to the Board of Directors shall report to an Operating Council. Operating Council / entity reporting relationships are defined elsewhere in these Bylaws and/or by direction of the AIChE BOD. Each Operating Council shall establish and maintain its own Bylaws, which shall be approved by the AIChE BOD. Each Operating Council shall operate in accordance with those Bylaws and those of the Institute.

The Career and Education Operating Council (CEOC) focuses on making AIChE the "lifetime center" for the professional and personal growth of members.

The Chemical Engineering Technology Operating Council (CTOC) focuses on advancing the frontiers of chemical engineering and the dissemination of that knowledge.

The Societal Impact Operating Council (SIOC) focuses on efforts for chemical engineers to address societal needs. This includes outreach and public policy, diversity of the profession, and the global business environment.

Operating Council accountabilities and responsibilities include:

(a) Implementation of plans to meet the Board of Directors and

Operating Councils' strategic objectives;

(2) Management of entities (committees, divisions, forums, etc) assigned to the respective Operating Councils by the Board of Directors.

If an Operating Council's programs or initiatives, or those of its subordinate entities, require financial or staff resources for implementation, then the Operating Council should request such resources from the Board of Directors.

2. Operating Councils' membership shall be limited to AIChE Fellows, Senior Members and Members. Each Operating Council shall have enough members to execute its respective responsibilities.

3. Each Operating Council shall define its leadership structure and progression to maintain continuity, to ensure progress towards Institute objectives, and to ensure communication between itself and its subordinate entities, the other Operating Councils, the Board of Directors, and all other agencies with whom it must deal.

4. The President shall nominate Board of Directors representatives, the Executive Director shall nominate staff representatives, and the Operating Councils shall nominate other members of the Operating Councils. The President can also nominate other members of the Operating Councils. The President, in consultation with each of the Operating Councils' executive committees shall nominate the incoming officers. The Board of Directors shall approve all appointments to, and officers of, the Operating Councils. Members of Operating Councils representing the Board of Directors shall be appointed for two-year terms; staff is to be appointed for indefinite terms; and all others shall serve staggered three year terms. Terms of office shall begin on January 1st of the year following appointment but participation should start at the prior Annual Meeting. Appointments should be announced at least one month prior to the Annual Meeting whenever possible. Appointment as an officer extends the term of the appointee as appropriate. Members of Operating Councils may be removed by a majority vote of the Board of Directors, for cause, including, but not limited to, non-participation. Operating Council members may serve additional terms as approved by the Board of Directors.

5. Each Operating Council will meet at least four times a year, once at the Spring National Meeting, and once at the Annual Meeting, and at least twice in between. Only the meetings at the Annual and Spring National meetings need to be face to face. All meetings shall be announced at least a month in advance unless unusual circumstances require otherwise. Each Operating Council shall issue meeting minutes on a timely basis. Distribution should include all members of the Operating Council, the liaisons from the other two Operating Councils, and the liaisons to the Board of Directors.

6. When practical, each Operating Council liaison should attend his or her defined Operating Council meetings, whether face-to-face or teleconference.

7. At each Annual and Spring National meeting there shall be a meeting among the Board of Directors and the three Operating Councils. Each Operating Council should be represented by two people, preferably officers. These meetings shall be scheduled during the weekend immediately after the meeting of the Board of Directors.

Section VIII—Committees

1. In addition to those committees prescribed by the Constitution (Executive Committee, Committee on Admissions, Committee

on Ethics, and Nominating Committee), the Board of Directors (BOD) shall establish such committees as it may deem necessary. These may be standing committees or temporary committees. Some committees shall be composed solely of members of the BOD (the Executive Committee, the Finance Committee, the Constitution and Bylaws Committee, the Board of Directors Awards Committee, the Fellow Review Committee, and others that the BOD may consider to be appropriate). Some committees reporting directly to the BOD will include people who are not members of the BOD, including the Admissions Committee, the Audit Committee, the Awards Committee, the Nominating Committee, and others that the BOD may consider to be appropriate. Some committees will report to an Operating Council (OC) and will be described in the bylaws of the OC to which they are assigned. The BOD shall establish the reporting relationship of all committees it establishes.

2. OCs may also establish committees, each of which shall report to the OC that established it or to another entity in that OC.

3. Authority and responsibility for specific actions on behalf of the Institute may be delegated by the BOD to specific committees.

4. Except as prescribed by the Constitution or these Bylaws, committees shall devise their own rules of procedure and adopt the same subject to the approval of the BOD or an OC.

5. Committee Leadership will be approved by the sponsoring entity (BOD or OC). Chairs and Vice Chairs shall be Fellows, Senior Members, or Members of the Institute except where the Constitution or Bylaws are more restrictive. Except as specified in these Bylaws all appointments shall be for one year, and may be renewed or terminated by the sponsoring entity.

6. The Committee on Admissions (Admissions Committee) shall be composed of at least 15 Fellows or Senior Members of the Institute. Eight members of the Committee shall constitute a quorum. However, the Committee chair, or his/her designee, can transact specific business, as noted below, in the interest of smoothing the entry into the Institute of new members. The Committee shall have three primary functions:

a) to review, in accordance with Section I, part 1 of these Bylaws, nominations for Fellow grade and make recommendations to the BOD;

b) to review, in accordance with Section I, part 2 of these Bylaws, applications for Senior Member grade and approve the upgrading of qualified applicants; and

c) to approve, in accordance with Section I, part 3 of these Bylaws, applications for membership at Member grade level as recommended by the AIChE staff. This last item can be handled by the Chair or the Chair's designee, does not require any other approvals, and need not be done at an official meeting of the Committee.

7. The Committee on Ethics (Ethics Committee) shall consist of the five most recent, available past presidents. It shall elect its own chair. It shall consider all matters of professional ethics submitted to it by the BOD and report its recommendations to the Board.

8. The Finance Committee shall consist of the President, the Past President, the Treasurer as Chair, the Executive Director, and three elected Directors, with one from each class. The President shall select annually one of the newly elected Directors to serve on the Finance Committee for a period to coincide with that per-

son's term of office as a Director. The Committee shall review the financial affairs of the Institute and report its recommendations concerning the same.

9. The Audit Committee shall consist of three members appointed by the AIChE president, all of whom must be 4-Year Members, Senior Members or Fellows of the Institute. Members of the Executive Committee, the Finance Committee, and any person who receives remuneration from the Institute may not serve on the Audit Committee. The Audit Committee shall arrange for the annual audit of all books and records relating to finances of the Institute and its subsidiaries, and it shall interpret the results of the audit for the BOD. The Committee may also undertake to study other financial issues related to the audit function, as it deems necessary or desirable, or as referred to the Committee by the BOD.

10. The Constitution and Bylaws Committee shall consist of the Secretary as Chair and three Directors, one from each class. A quorum shall consist of a majority of the members. It shall consider all matters of Institute activities where motions to be considered by the BOD include an application, interpretation, or revision of the AIChE Constitution and/or Bylaws. The Committee shall report its recommendations to the BOD.

11. The Awards Committee is charged with the responsibility of administering the Institute awards, primarily the annual selection of the winners of the various Institute awards, but also for advising the AIChE BOD on how to improve the awards system. The Committee shall select at least one outstanding candidate to receive each of the awards it administers. If no qualified candidate is nominated for any specific award that award can and should be withheld for that year. The Committee shall have procedures and criteria, be they formal or informal, to ensure that the system is administered fairly, recognizing that the three major segments of the membership (industrial, academic, and government) operate in different environments, and that the accepted definition of "outstanding" can be very different in those different segments of the membership. Where appropriate, especially when there are outstanding nominees from more than one segment of the membership, the Committee can choose to have the award shared.

12. The BOD Awards Committee shall consist of the immediate past president as chair, the four senior (final year) directors, and one director from each of the other classes of directors. The Committee receives nominations prior to the Spring National Meeting, meets at that time, and makes recommendations to the BOD at its next meeting.

13. The Fellow Review Committee shall consist of the president as chair, the BOD liaison to the Admissions Committee, and one director from each of the other classes of directors. At least one member of the Committee should, if possible, be a Fellow, and, if possible, those who are not Fellows shall be Senior Members. The Committee shall review all nominations for Fellow that the Admissions Committee has recommended for rejection based on the subjective criteria for Fellow election. For each such nomination the Committee can accept the Admissions Committee's recommendation, return the nomination to the Admissions Committee for reconsideration, or overrule the Admissions Committee's recommended rejection. In the latter case, final decisions are made by the BOD.

14. The Nominating Committee is defined in the Constitution, Article V, Section 2, Paragraph a.

15. The Executive Committee is defined in the Constitution, Article VI, Section 2.

Section IX — Divisions

1. Establishment

a) As the first step preparatory to establishment of a Division of the Institute, the Chemical Engineering Technology Operating Council (CTOC) shall, upon written request by a group of at least 10 members, appoint a Division Formation Committee. This Division Formation Committee shall consist of ten or more members of the Institute. The Division Formation Committee Chair shall be approved by the CTOC.

b) The Division Formation Committee shall, within two years of its appointment: (i) submit a Division Scope and Objectives, and two-year Operating Plan, (ii) submit Division Bylaws in conformity with the Institute's Model Bylaws for divisions (iii) submit written pledges for Division membership from at least 100 members of the Institute.

c) The Division Scope, Objectives, and Operating Plan must demonstrate: (i) a sustained capability for programming and, (ii) interest and plans in other professional and service-related activities of the Institute.

d) Upon approval by the CTOC of these submittals, Division status will be granted on a probationary basis.

e) The probationary status will be extended or removed by the CTOC after receiving a Division Status Report after two years.

2. Operations

a) The Division shall submit an annual report of its activities to the Member Activities Group at the end of each calendar year.

b) Division Bylaws and amendments thereto, dues and fee schedules, and annual operating programs and budgets shall be approved by the CTOC.

c) Division officers shall be Fellows, Senior Members, or Members of the Institute.

d) Division members shall be Fellows, Senior Members, Members, or Student Members of the Institute. Division membership for a period of up to two years before obtaining Institute membership is permitted if specifically provided for in the Division Bylaws.

e) The Division Program Chair shall become a member of the National Program Committee and the Division program function shall be carried out in cooperation with the Program Committee.

f) Division cooperation with related outside organizations and participation in joint programs is encouraged, subject to specific approval by the CTOC.

g) No Division shall have authority to act for, or in the name of, the Institute, and no division shall have authority to incur any financial obligation in the name of the American Institute of Chemical Engineers.

h) The CTOC may discontinue any Division if, after the Division has been fully afforded an opportunity to be heard, the CTOC judges it to be in the best interests of the Institute to do so. Upon dissolution of a Division, any assets remaining thereafter shall be returned to AIChE.

Section X — Forums

1. Establishment

(a) As the first step preparatory to establishment of a Forum of the Institute, the Chemical Engineering Technology Council (CTOC) shall, upon written request by a group of at least 10 members, appoint a Forum Formation Committee. This Forum Formation Committee shall consist of 10 or more members of the Institute. The Forum Formation Committee Chair shall be approved by CTOC.

(b) The Forum Formation Committee shall, as soon as possible after its appointment

i. submit a Forum Scope and Objectives, and a two-year Operating Plan.

ii. submit Forum Bylaws in conformity with the Institute's Model Bylaws for Forums.

iii. submit written pledges for Forum membership from at least 50 individuals, the majority of whom shall be members of the Institute.

(c) The Forum Scope, Objectives, and Operating Plan must demonstrate a sustained capability for programming.

(d) Upon approval by CTOC of these submittals, Forum status will be granted on a probationary basis.

(e) The probationary status will be extended or removed by CTOC after receiving a Forum Status Report after two years.

2. Operations

(a) The Forum shall submit an annual report of its activities to the Executive Board of the National Program Committee (EBPC) at the end of each calendar year.

(b) Forum Bylaws and amendments thereto, dues and fee schedules, and annual operating programs and budgets shall be approved by CTOC.

(c) The Forum Chair and Vice Chair must be Fellows, Senior Members, or Members of the Institute. Other Forum officers must be members of the Forum.

(d) Forum membership is open to all with a technical interest in the Forum discipline.

(e) The Forum Programming Committee is considered to be part of the National Programming Committee and its function shall be carried out in cooperation with the EBPC.

(f) Forum cooperation with related outside organizations and participation in joint programs is encouraged, subject to specific approval by EBPC.

(g) No Forum shall have authority to act for, or in the name of, the Institute, and no Forum shall have authority to incur any financial obligation in the name of the American Institute of Chemical Engineers.

(h) CTOC may discontinue any Forum if, after the Forum has been fully afforded an opportunity to be heard, CTOC judges it to be in the best interests of the Institute to do so. Upon dissolution of a Forum, any assets remaining thereafter shall be returned to AIChE.

Section XI — Local Sections

1. Establishment

(a) On formal application from local groups of members to the Career and Education Operating Council (CEOC), and upon recommendation of the Bylaws Committee of the CEOC, Local Sections of the Institute may be authorized by the CEOC.

(b) The geographic boundaries of each Local Section and amendments thereto shall be approved by the CEOC.

2. Operations

(a) The Local Section shall further the interest of the Institute in the locality in which it is located.

(b) The Local Section shall submit an Annual Report of its activities to the Member Activities Group not later than three months from the date of installation of section officers.

(c) The Constitution and Bylaws of each Local Section, and amendments thereto, shall be approved by the CEOC.

(d) Local Section officers shall be Fellows, Senior Members, or Members of the Institute.

(e) Local Section members shall be Fellows, Senior Members, Members, or Student Members of the Institute. Local Section membership for a period of up to two years before obtaining In-

stitute membership is permitted if specifically provided for in the Local Section Bylaws.

(f) No Local Section shall have authority to act for or in the name of the Institute, and no Local Section shall have authority to incur any financial obligation in the name of the American Institute of Chemical Engineers.

(g) The CEOC may revoke the charter of any Local Section, if, after the Local Section has been duly afforded an opportunity to be heard, the CEOC judges it to be in the best interest of the Institute to do so.

Section XII — Student Chapters

1. Establishment

(a) A Student Chapter of the Institute may be established at an educational institution upon recommendation by the Committee on Student Chapters and approval by the Career and Education Operating Council (CEOC)

(b) The educational institution shall be one which offers a baccalaureate degree in engineering or science and one which includes on its faculty a Fellow, Senior Member, or Member of the Institute.

(c) A proposed Student Chapter shall have at least 12 members who are regularly enrolled in the educational institution.

(d) The establishment of a Student Chapter at an educational institution shall not be construed as accrediting the chemical engineering program of that institution.

2. Operations

(a) The name of the student chapter shall be “The (name of institution) Student Chapter of the American Institute of Chemical Engineers.”

(b) An advisor for the Student Chapter shall be selected from the faculty of the Department of Chemical Engineering. The Advisor shall be a Fellow, Senior Member, or Member of the Institute and shall advise the Student Chapter in its relation to the Institute.

(c) A Student Chapter shall establish its own Bylaws, which shall conform to the Constitution and Bylaws of the Institute.

(d) The Student Chapter shall govern the number and character of its meetings.

(e) The Student Chapter shall submit an annual report of its activities to the Committee on Student Chapters for transmittal to the Member Activities Group. This report shall be submitted not later than June 30.

(f) No Student Chapter shall have authority to act for, or in the name of, the Institute, and no Student Chapter shall have the authority to incur any financial obligation in the name of the American Institute of Chemical Engineers.

(g) The CEOC may revoke the charter of any Student Chapter, if, after the chapter has been duly afforded an opportunity to be heard, the CEOC judges it to be in the best interests of the Institute to do so.

Section XIII — Industry Technology Alliances (ITA)

1. Establishment

(a) Research or design institutes or other sponsored research activities are not-for-profit organizations whose purpose is to conduct studies to benefit the profession and public in areas of interest to a substantial component of AIChE membership. The word “institute” as used in this section is a generic designation for such an organization. It is not necessary that it be used in the official title of the organization.

(b) On application of any member, group, committee or division of AIChE, or by action of the Board of Directors itself, such research activities may be authorized by the Board of Directors.

(c) The application shall include a description of the proposed activity’s scope and objectives, the plans for organizing, managing, and financing the activity, and the proposed Bylaws.

2. Operations

(a) Each research activity shall present to the Board of Directors annually a report on its current year’s accomplishments and, for approval, a plan for the next year’s operations.

(b) The manager of a research activity may be a volunteer or a paid employee of the activity or AIChE.

(c) Funds for operations can be obtained from various sources including AIChE and its members. Contributors will be called “members of the sponsored research activity” and appoint persons to participate in affairs of the organization.

(d) The results of studies conducted by AIChE-sponsored research activities are for the benefit of the public and profession as a whole, as well as for the supporting members of the activity. Results should be disseminated broadly after a reasonable period of review and use by the members; people or organizations desiring the results can be charged for them.

(e) No sponsored research activity shall have authority to act for, or in the name of, the Institute, and no such activity shall have the authority to incur any financial obligation in the name of the American Institute of Chemical Engineers.

(f) The Board of Directors may discontinue any sponsored research activity if, after the organization has been duly afforded an opportunity to be heard, the Board judges it to be in the best interests of the Institute to do so.

Section XIV—Technical Entities

The Board of Directors of AIChE may form a technical entity for the purpose of establishing AIChE’s leadership in a selected area of science or technology. The technical entity will work with existing AIChE entities (e.g. Divisions, Forums, Committees, etc.) to accomplish its goals. Membership in the technical entity may include individual AIChE members of all grades, non-AIChE individuals, companies, government entities, non-government entities, or other associations that would in the view of the Board benefit the technical entity. The technical entity is intended to be financially self-sustaining.

At the time of its formation, Bylaws of the technical entity must be written to delineate its name, purpose, operating rules, financial plan, and performance metrics. These Bylaws require approval by the AIChE Board of Directors, with a minimum of two-thirds majority. At its discretion, the AIChE Board of Directors may reorganize or sunset such a technical entity at any time.

Section XV—Foundation

The AIChE Foundation is the fund raising arm of the Institute, and, as such, is subject to the oversight of the AIChE Board of Directors. It is led by a Board of Trustees and an Executive Committee. The Board of Trustees shall consist of a Chair, a Vice Chair, a Past Chair, and at least five (5), but no more than one hundred (100) other Trustees, all of whom shall be approved by and serve at the pleasure of the AIChE Board of Directors. The Foundation shall be led by an Executive Committee, which shall consist of the Executive Director of the Institute, four members of the AIChE Board of Directors, and four members of the Board of Trustees who are not members of the AIChE Board of Directors. The Board of Trustees will recommend and the AIChE Board of Directors will approve the members of the Board of Trustees who will serve on the Executive Committee. Only AIChE members will be eligible to serve on the Executive Committee.

The Foundation will operate in accordance with Foundation Bylaws which will be approved by the AIChE Board of Directors. The Foundation will issue an annual report for each calendar year of operation to be made available to the AIChE Board of Directors two weeks prior to the first meeting of the AIChE Board of Directors following the year covered. The net monies produced by the fundraising activities of the Foundation will be expended by AIChE.

Section XVI—Use of Membership List

1. The list of members of the American Institute of Chemical Engineers, including any list of applicants for membership therein, shall not be used for advertising, circularization, or solicitation except under the conditions explicitly authorized by the Board of Directors.

Section XVII—Awards

1. The William H. Walker Award shall be given to encourage excellence in contributions to chemical engineering literature.

2. The Allan P. Colburn Award shall be given to encourage excellence in contributions to the publications of the Institute on the part of younger members of the Institute.

3. The Professional Progress Award in Chemical Engineering is given to recognize outstanding progress in the field of chemical engineering.

4. The Founders Award shall be given to recognize outstanding contributions in the field of chemical engineering.

5. The Warren K. Lewis Award in Chemical Engineering Education shall be given to recognize distinguished and continuing contributions to chemical engineering education.

6. The Alpha Chi Sigma Award in Chemical Engineering Research is given to recognize outstanding recent accomplishments by an individual in fundamental or applied research in the field of chemical engineering.

7. The R.H. Wilhelm Award in Chemical Reaction Engineering is given to recognize significant and new contributions in chemical reaction engineering.

8. The Award for Service to Society is given to recognize outstanding contributions by a chemical engineer to community service and the solution of socially-oriented problems.

9. The Lawrence B. Evans Award in Chemical Engineering Practice is given to recognize outstanding contributions by a chemical engineer in the industrial practice of the profession.

10. The F.J. and Dorothy Van Antwerpen Award for Service to the Institute is given to recognize outstanding contributions by a chemical engineer through service to the Institute

11. The Arthur Dehon Little Award for Chemical Engineering Innovation is given to recognize outstanding chemical engineering contributions to a successful innovation of commercial or societal importance. By innovation is meant the creation of a new technology-new process, product, or applications technology-and its successful commercialization.

12. The Award for Excellence in Industrial Gases Technology is given to recognize sustained outstanding individual contribution to the science and/or engineering of industrial gases.

13. The Engineering and Construction Award shall be given to recognize individuals or teams for achievement in the design and/or

construction of process plants or process plant revamps.

14. The Industrial Research and Development Award shall be given to individuals or teams working in the industries served by chemical engineering, for innovation that has resulted in the successful commercial development of new or improved products and/or new or improved processes for making useful product.

15. The Industry Leadership Award shall be given to individuals or teams working in the industries served by chemical engineers for leadership and accomplishment in activities including: management; sales and marketing; public, community and industrial relations; commercial and business development; training or public service.

16. The Process Operations Award shall be given to individuals or teams working in plant operations, process control and/or supply chain management that have significantly improved the safety, reliability or economics of process operations.

17. The Sustainable Energy Award shall be given to individuals in industry, teams from industry, or entire companies that have made substantial contributions toward the development, transformation, and use of energy through the application of chemical engineering.

18. The Industrial Progress Award shall be given to recognize significant contributions by individuals working in industries served by chemical engineers who have not reached their 40th birthday on the first day of the year in which the award is given.

19. The Corporate Innovation Award shall be given to corporations (or a corporate division or group) employing a substantial number of chemical engineers for innovation that has resulted in successful commercial development of new products and/or new processes for making useful products.

20. The administrative details and specific requirements of the above awards are described in the Awards Booklet. They cannot be changed without approval by the Board of Directors.

Section XVIII—Nomination of Officers and Directors

The Nominating Committee shall render its ballot of officers and directors in accordance with Article V, Section 2 (a), of the Constitution. All nominations, including those by petition, shall be published as soon as possible on AIChE's website and communicated in a supplement to the official AIChE Membership magazine.

Section XXIX—Amendments

1. All proposed amendments to the Bylaws shall be reduced to writing.

2. Amendments to the Bylaws may be proposed by a resolution of the Board of Directors, or by a petition addressed to the Board of Directors signed by not less than ten (10) current Fellows, Senior Members, or Members.

3. Amendments proposed by petition shall be considered by the Board of Directors no later than the next two regular meetings of the Board, following receipt of the petition.

4. Adoption of amendments requires a two-thirds favorable vote of the whole Board of Directors.

Code of Ethics

The Board of Directors of the American Institute of Chemical Engineers adopted this Code of Ethics to which it expects that the professional conduct of its members shall conform, and to which every applicant attests by signing his or her membership application. Members of the American Institute of Chemical Engineers shall uphold and advance the integrity, honor and dignity of the engineering profession by: being honest and impartial and serving with fidelity their employers, their clients, and the public; striving to increase the competence and prestige of the engineering profession; and using their knowledge and skill for the enhancement of human welfare. To achieve these goals, members shall:

1. Hold paramount the safety, health and welfare of the public and protect the environment in performance of their professional duties.
2. Formally advise their employers or clients (and consider further disclosure, if warranted) if they perceive that a consequence of their duties will adversely affect the present or future health or safety of their colleagues or the public.
3. Accept responsibility for their actions, seek and heed critical review of their work and offer objective criticism of the work of others.
4. Issue statements or present information only in an objective and truthful manner.
5. Act in professional matters for each employer or client as faithful agents or trustees, avoiding conflicts of interest and never breaching confidentiality.
6. Treat fairly and respectfully all colleagues and co-workers, recognizing their unique contributions and capabilities.
7. Perform professional services only in areas of their competence.
8. Build their professional reputations on the merits of their services.
9. Continue their professional development throughout their careers, and provide opportunities for the professional development of those under their supervision.
10. Never tolerate harassment.
11. Conduct themselves in a fair, honorable and respectful manner.

Sexual Harassment Training

Mandatory sexual harassment training for all Board members, Operating Council Chairs, and full-time AIChE Staff members is required by AIChE. The training program is coordinated by AIChE's Human Resources Department. For more information on this topic, please contact humanresources@aiche.org.

Conflict of Interest Policy

AIChE requires that the Officers, Directors and Key Employees of the Institute review annually, prior to the Annual Meeting, or upon election, the Institute Conflict of Interest Policy. The Executive Director will designate others who should sign. At that time, these individuals execute a written affirmation that they

understand the Conflict of Interest Policy and that they are in conformance with it.

For more information on this topic, please contact secretary@aiche.org.

Whistleblower Policy

AIChE has adopted policies and procedures for employees that outline certain specific actions that are prohibited, and procedures that one may follow to report such actions if one believes that any laws are being violated. For more information on this topic, please contact secretary@aiche.org.

Records Retention Policy

AIChE has established a policy on retention of records, which defines how long different types of records need to be retained and by whom. For more information on this topic, please contact secretary@aiche.org.

Individual Registration

The Board of Directors of the American Institute of Chemical Engineers approved on March 19, 1977, and reaffirmed on June 7, 1980, the following position on the registration of individual engineers.

All state legislatures now require registration (licensing) of all engineers who offer their services directly to the public. Also, many regulatory agencies, courts of law, clients, and employers require or recommend registration as evidence of engineering competence, and the number that do so is increasing. Registration is one avenue to define an engineer's level of competence, and it does provide assurance to the public that those with the title "Registered Professional Engineer" or "Licensed Professional Engineer" have met certain minimum requirements at one point in their careers.

In consideration of these facts, AIChE recommends that its members become registered in their respective states as soon as possible after entering the profession.

In making this recommendation, AIChE recognizes that registration is no substitute for individual professional responsibility for engineering work, a responsibility which is based upon adequate knowledge, experience, and moral integrity, and which extends throughout the entire career of every engineer.

AIChE Government Activities Objectives

AIChE is actively concerned with government affairs and, as guided by the Government Relations Committee (GRC), will:

1. Enhance AIChE's reputation among government officials and the public as a credible source of assistance and information on policy issues that impact chemical engineers.
2. Develop sound technical information and provide professional assistance to government policy-makers on pending legislative and regulatory matters that impact chemical engineers.
3. Formulate and advocate positions on policy issues affecting chemical engineers.
4. Create awareness among AIChE members about policy issues of importance to the profession.

5. Stimulate members to interact with government officials and take an active role in policy debates by participating in grassroots advocacy programs, GRC subcommittees and task forces, and Local Section Government Interaction Committees (GLCs).

6. Strengthen the Institute's impact on public policy through collaboration with other organizations.

Policy

In their communication with government officials, AIChE officers, staff, members, and committee and division representatives will maintain the highest professional standards and present fairly the relevant facts as known.

AIChE members who are providing technical and professional assistance to government officials should become informed about the legislative and regulatory process and how to communicate effectively with government officials.

All actions with government officials involving the name and the authority of AIChE or its subdivisions shall be consistent with AIChE policy as established by the GRC and approved by the Board of Directors. This is to ensure the public credibility of AIChE.

Not the least part of maintaining this public credibility is the need for AIChE management and the GRC to be informed of any proposed statement, letter, or other form of communication with government officials which uses the name of AIChE. Such notification will permit AIChE leadership and the GRC to review such communications for consistency with AIChE's objectives and policies and to explore the possibility of coordination of the communications with statements issued or planned by other Institute entities. Within AIChE, the Board of Directors has delegated these functions to the Executive Director of AIChE or a designated representative. The originators of communications with government officials using the name of AIChE must inform the Executive Director or a designated representative, either by telephone or in writing, prior to issuance.

When the GRC approves a document for publication, the GRC Chair and the Executive Director may determine that the document requires final approval by the AIChE Executive Committee and/or the Board of Directors for the following reasons:

(a) the document will have a greater impact if it shows endorsement by the directors of AIChE; or (b) the subject matter of the document is of such a sensitive nature that review and/or approval by the AIChE Executive Committee and/or the Board of Directors would be prudent.

Stationery bearing the AIChE name or emblem should be used with discretion. Correspondence on such stationery should clearly indicate the origin of the opinions expressed. AIChE stationery must not be used by AIChE members acting as individuals when corresponding with government officials.

AIChE members and staff concerned with public policy matters are encouraged to keep in touch with the GRC and the AIChE Executive Office. Members or staff officially representing AIChE before federal government officials should always inform the Executive Director of pending visits with federal officials and should inform the Executive Director of the results of such representations. To the extent possible, AIChE staff or GRC members should accom-

pany AIChE members to Washington, DC, meetings with federal government officials.

The Board of Directors also recognizes the desirability of individual expression of opinion on proposed legislation and regulation. Furthermore, in legislative, regulatory, and other government relations matters that clearly affect the objectives of the Institute, individual members, and AIChE groups may wish to let their views be known and to do all they properly can to influence the opinions of others. In such cases, however, individuals should be certain that any expressed views are those of the individual and that they make it clear that they are not speaking for AIChE as a whole.

Moreover, in matters that are clearly related to the objectives of the Institute, the Board of Directors feels strongly that AIChE members and staff should be cautioned against taking action or expressing views on government matters which can be attributed to AIChE without first obtaining proper clearance from the GRC. This view is based on the recognition that, in spite of assurances to the contrary, some actions by local sections and others might be misinterpreted as representing Institute policies, an undesirable circumstance in view of the wide diversity of membership, both geographically and politically.

Structure

The interaction of AIChE with government is to be implemented as much as possible within the existing structure of Institute officers, staff, the Board of Directors, divisions, national committees, local sections, and the general membership. The GRC is to provide leadership in monitoring government relations activities. It is also responsible for coordinating AIChE activities in this regard, and for providing advice and guidance relating to state and local government relations activities.

The GRC is a closed committee of not fewer than 10, or more than 20, members (exclusive of ex-officio members). Standing members of the committee are the AIChE President-Elect, the immediate Past Chair, and the Executive Director. The GRC Executive Committee shall be the: Committee Chair (who will also serve as the Executive Committee Chair), Past Chair, Vice Chair, AIChE President-elect, and Executive Director. A majority of the GRC members shall be present or past members of the Board of Directors. The remainder shall consist of AIChE members who are knowledgeable in government affairs matters. The GRC will form subcommittees and subcommittee task forces to address federal government relations matters.

In its government relations activities, AIChE representatives shall cooperate with other engineering and scientific organizations, trade and industry associations, selected industry representatives, environmental organizations, public interest groups, think tanks, and others, when appropriate.

Local Sections are encouraged to form Government Interaction Committees (GLCs). GLCs will initiate and implement programs, either by themselves or in cooperation with other groups, when appropriate, with guidance from the GRC and AIChE staff.

Requests for the names of chemical engineers to be nominated for temporary or permanent government positions shall be submitted to the Executive Director of AIChE, who will consult with appropriate GRC members; suitable nominations will be submitted through proper government channels.

AIChE Diversity Task Force Definition of Diversity

The Diversity Task Force believes it is important for AIChE to have a definition of diversity and the Task Force has developed the following definition that has been approved by the Societal Impact Operating Council.

The statement has also been reviewed to be consistent with AIChE's EEO statement, per Director of Human Resources and AIChE's legal counsel. The Diversity Task Force of AIChE has defined diversity as follows:

Diversity means on a global basis, creating an environment in the Institute and the profession in which all members, regardless of their sex, race, religion, age, physical condition, sexual orientation or nationality are valued equitably for their skills and abilities, and respected for their unique perspectives and experiences.

Generic Licensing Policy

The American Institute of Chemical Engineers (AIChE) supports generic licensing because it benefits the public, allowing engineers to work productively for the benefit of society. Generic licensing recognizes the natural overlap of engineering services at the periphery of discipline-specific qualifications of education and experience. This position does not preclude jurisdictions from requiring additional testing or experience for certain types of engineers. AIChE encourages its members to become licensed as professional engineers.

AIChE encourages licensure boards and legislatures to register all qualified engineers only as Professional Engineers, rather

than licensing them by designated branches or specialties. This approach, referred to as generic licensing, is consistent with the National Council of Examiners for Engineering and Surveying (NCEES) Model Law and with the National Society of Professional Engineers (NSPE) Professional Policy on Licensure and Qualifications for Practice. It is also consistent with a majority of current jurisdictional requirements for licensure, including the requirement that licensed Professional Engineers perform services only in the area of their competence.

The NCEES Model Law was recently revised, and now requires a master's of science degree or its equivalent beginning in 2020. This would be in addition to the current requirements for graduation from a four year, ABET-accredited engineering program, having four years of work experience and passing the Fundamentals of Engineering examination.

State legislatures and governing boards are being urged to adopt this change by 2012 so it can be implemented in 2020. While strongly encouraging chemical engineers to become licensed, AIChE leaders believe that the change is unwarranted, expensive, and fails to provide any increased benefit or protection to the public. For chemical engineers, the BS degree, four years of practice, and passage of the Fundamentals and PE exams are sufficient to assure a reasonable level of competence and protect the public. A website exists for engineers to share information and work together toward maintaining the current educational requirements. To see the position paper opposing the new model law and endorsed by a number of engineering societies and to learn more about the model law, go to: www.licensingthatworks.org.

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