

Annual Meeting to Highlight ChE Progress and the Road Forward

Attendees at AIChE's 2008 Annual Meeting — Nov. 16–21 in Philadelphia, PA — will enjoy an unmatched array of nearly 800 technical sessions, topical conferences, and special events. Many of these programs are connected with AIChE's 100th anniversary celebration.

Beyond the traditional topical conferences, the Annual Meeting will feature centennial topical sessions — devoted to examining the history and future path of chemical engineering technology and research.

Here's what's in store at these two "super sessions."

Major Successes and Exciting Prospects for Research in ChE Core Areas

Monday, Nov. 17, 8:30–11:00 am

Chemical engineering's knowledge base is rooted in thermodynamics, transport phenomena, catalysis and reaction engineering, bioengineering, and process systems engineering. These fundamental areas will continue to be important in the future — growing synergistically with developments in the chemical, biological and mathematical sciences, as well as in enabling information technologies — thereby opening opportunities for new chemical engineering technologies.

In this session, current high-impact chemical engineering research accomplishments and important new directions for future research will be presented by leaders in their respective domains. The speakers will collectively convey a picture of how chemical engineering research is evolving and what the exciting challenges are for the next 25 years.

- ♦ *Successes and Prospects in Thermodynamics* — **Peter Cummings**, J. R. Hall Professor of Chemical Engineering, Vanderbilt Univ. and Oak Ridge National Laboratory
- ♦ *Successes and Prospects in Transport Phenomena* — **Morton Denn**, A. Einstein Professor of Science and Engineering, City College of the City Univ. of New York
- ♦ *Successes and Prospects in Catalysis and Reaction Engineering* — **Nicholas Delgass**, M. Nichols Professor of Chemical Engineering, Purdue Univ.

- ♦ *Successes and Prospects in Bioengineering* — **Harvey Blanch**, Merck Professor of Biochemical Engineering, Univ. of California, Berkeley
- ♦ *Successes and Prospects in Process Systems Engineering* — **George Stephanopoulos**, A. D. Little Professor of Chemical Engineering, Massachusetts Institute of Technology

Major Successes and Exciting Prospects for Technology in Core Industries for ChE

Monday, Nov. 17, 12:30–3:00 pm

Chemical engineers have made major contributions to technologies that form the economic basis for process industry sectors important to the U.S. and world economies. These technologies include fuels and energy, chemicals, pharmaceuticals and healthcare products, food and consumer products, and materials and polymers. While mergers, acquisitions and consolidations have changed the roster of major corporate entities, these process industries remain critically important as employers of chemical engineers, and will continue to offer challenges and opportunities for the creation of new technologies, processes and products.

In this session, chemical engineering's high-impact technical accomplishments in these sectors will be highlighted, and prospects for new technologies will be outlined by technology leaders in five major process industries.

- ♦ *Successes and Prospects in Energy and Fuels* — **Emil Jacobs**, Vice President for R&D, ExxonMobil Research and Engineering Co.
- ♦ *Success and Prospects in Chemicals* — **Jeffrey Siirola**, Technical Fellow, Eastman Chemical
- ♦ *Successes and Prospects in Healthcare* — **Michael Thien**, Vice President, Global Pharmaceutical Commercialization, Merck
- ♦ *Success and Prospects in Consumer Products* — **John Leikhim**, Director, Corporate R&D, Innovation Capability, Procter & Gamble
- ♦ *Success and Prospects in Materials and Polymers* — **Jocelyn Scott**, Vice President, Engineering, DuPont



Cummings



Denn



Delgass



Blanch



Stephanopoulos



Jacobs



Siirola



Thien



Leikhim



Scott

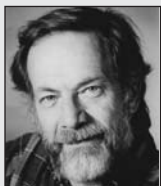
Complete program and registration information for the Annual Meeting are available at www.iche.org/annual/.

2008 Board of Directors and Institute Awards

On Tuesday evening, Nov. 18, at the AIChE Annual Meeting in Philadelphia, PA, the Institute will recognize some of chemical engineering's leading lights, with the presentation of the 2008 Institute and Board of Directors Awards. The awards will be given at the annual Honors Ceremony, which is open to all meeting attendees.

AIChE members in all area of practice and academics are encouraged to nominate qualified candidates for future awards. The Awards Committee is especially interested in receiving more nominations from, and on behalf of, members in chemical engineering industry and practice. Visit the AIChE website for more information: www.aiche.org/Awards/. The deadline for 2009 nominations is Feb. 15, 2009.

Founders Award for Outstanding Contributions to the Field of Chemical Engineering



Dr. Morton M. Denn
City College of the City
Univ. of New York



Dr. Robert S. Langer
Massachusetts Institute of
Technology



Dr. Donald R. Paul
Univ. of Texas at Austin



Dr. Nicholas A. Peppas
Univ. of Texas at Austin



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

(Sponsored by The Dow Chemical Co.)
Dr. James C. Hill
Iowa State Univ.



Professional Progress Award for Outstanding Progress in Chemical Engineering

(Sponsored by Air Products and Chemicals, Inc.)
Dr. Chaitan Khosla
Stanford Univ.



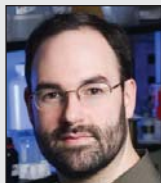
William H. Walker Award for Excellence in Contributions to Chemical Engineering Literature

(Sponsored by John Wiley & Sons)
Dr. Pablo G. Debenedetti
Princeton Univ.



Award in Chemical Engineering Practice

Dr. Lisa Brannon-Peppas
Appian Laboratories, LLC



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

(Sponsored by E. I. DuPont de Nemours & Co.)
Dr. Michael S. Strano
Massachusetts Institute of Technology



R. H. Wilhelm Award in Chemical Reaction Engineering

(Sponsored by Exxon-Mobil Research and Engineering Co.)
Dr. Michael T. Klein
Rutgers Univ.



Alpha Chi Sigma Award for Chemical Engineering Research

(Sponsored by the Alpha Chi Sigma Educational Foundation)
Dr. Jeffrey Allan Hubbell
École Polytechnique Fédérale de Lausanne

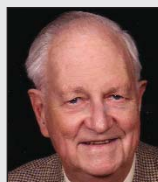
Warren K. Lewis Award for Chemical Engineering Education

(Sponsored by Exxon-Mobil Research and Engineering Co.)



Institute Award for Excellence in Industrial Gases Technology

(Sponsored by Praxair, Inc.)
Dr. Benny D. Freeman
Univ. of Texas at Austin



Dr. Julian C. Smith
Cornell Univ.



Dr. Peter Harriott
Cornell Univ.

Heller and Willson are National Medal of Technology and Innovation Laureates

Two AIChE members — chemical engineering professors at the Univ. of Texas at Austin — have received the nation's highest honor for science and technology.

Adam Heller, Research Professor and Professor Emeritus, and C. Grant Willson, Rashid Engineering Regents Chair at the Cockrell School of Engineering, are among the eight recipients of the 2007 National Medal of Technology and Innovation. The Medals were presented at a Sept. 29 White House ceremony.

The honors for Heller and Willson were a rare instance where two people from the same institution were recognized for separate achievements.

Heller was cited for his “contributions to electrochemistry and bioelectrochemistry, which have led to the development of products that have improved the quality of life of millions, particularly in the area of human health and well-being.” Heller is the founder (with his son, Ephraim) of TheraSense, Inc. (now Abbott Diabetes Care, Alameda, CA), and co-inventor of the FreeStyle self-administered blood-glucose monitoring device. Past honors for Heller include AIChE's 2005 Award in Chemical Engineering Practice and his selection as AIChE's 2004 Institute Lecturer.



Heller

Willson was honored for “creating lithographic imaging materials and techniques that have enabled the manufacturing of smaller, faster and more-efficient microelectronic components.” He is the inventor of techniques for micropatterning down to 20 nm, and founded the company Molecular Imprints (Austin, TX), the largest organization working solely on imprint lithography. Among other honors, Willson is the 2005 recipient of AIChE's Arthur Dehon Little Award for Chemical Engineering Innovation. He also received the American Chemical Society's Heroes of Chemistry Award.



Willson

The National Medal of Technology and Innovation honors America's leading innovators. The award is given to individuals, teams and organizations for outstanding contributions to the nation's economic, environmental and social well-being through the development and commercialization of technology products, processes and concepts; technological innovation; and development of the nation's technological workforce. The Dept. of Commerce administers the award, which was established by an act of Congress in 1980. For more information about the National Medal of Technology and Innovation visit: www.uspto.gov/nmti.

AICHe Conference Calendar

For information and registration details, visit www.aiche.org/conferences or call Customer Service at 1-800-242-4363 or 1-203-702-7660 (outside the U.S.)

2008 AIChE Annual Meeting

November 16–21, 2008 • Philadelphia Marriott, Loews Philadelphia & Pennsylvania Convention Center • Philadelphia, PA

Science and the Emerging Bioeconomy for Executives

December 3–5, 2008 • Hyatt Regency Resort at Gainey Ranch • Scottsdale, AZ

SBE's 2nd International Conference on Biomolecular Engineering

January 18–21, 2009 • Fess Parker Doubletree • Santa Barbara, CA

SBE's 2nd International Conference on Accelerating Biopharmaceutical Development

March 9–12, 2009 • Marriott Coronado • Coronado Island, CA

2009 Spring National Meeting

April 26–30, 2009 • Tampa Convention Center • Tampa, FL

2009 Offshore Technology Conference

May 4–7, 2009 • Reliant Park • Houston, TX

2009 Ammonia Conference

September 13–19, 2009 • Hyatt Regency Calgary • Calgary, AB, Canada

2009 Annual Meeting

November 8–13, 2009 • Gaylord Opryland Hotel • Nashville, TN

OBITUARIES

Jack E. Crouch, 82, Pompton Plains, NJ

Dick Duffey, 91, College Park, MD

Ray J. Edwards, 87, Northridge, CA

George L. Gates, El Cerrito, CA

Jack B. Howard, 70, Winchester, MA

Kenneth A. Jackson, 86, Gibsonia, PA

Don J. Klein, 78, Pittsburgh, PA

David S. Laity, 82, Lafayette, CA

James C. Larkin, 83, Saint Peters, MO

Arthur E. Lindroos, 86, Sandwich, MA

George L. Nowicki, 82, Williamstown, MA

William J. Wheeler, 90, Cypress, TX

James G. Withers, 88, Vero Beach, FL