

Blazing the Trail: 2004 AIChE Annual Meeting

Austin, TX, November 7–12

Explore the frontiers of chemical engineering this fall at the 2004 AIChE Annual Meeting, November 7–12 in Austin, TX. The world's premier chemical engineering conference, the Annual Meeting will deliver 15 highly focused conferences-within-a-conference, hundreds of technical sessions, related short courses, and stimulating keynotes in the dynamic and broad-reaching areas that comprise today's chemical engineering profession.

Meet the academic and industry pathfinders who are charting the future of chemical engineering and reconnect with colleagues at special networking events and receptions. Austin, a high-tech hub and growing cultural center, offers a perfect venue for the world's largest chemical engineering meeting.

Technical Program: Pushing the Boundaries of Chemical Engineering

The 2004 program will spotlight fast-developing fields like biological engineering, nanotechnology and sustainability, as well as fundamental areas like biorefining, process development, information technology, CPI management and more.

"The program is very broad and encompassing, much like the discipline of chemical engineering," meeting program chair John Ekerdt told *AIChEExtra*. "The topical sessions seek to capture themes that are timely and provide an opportunity for members to explore new areas."

"This Annual Meeting has an exceptional number of regular and topical sessions on growing research areas for chemical engineering such as bioengineering, nanotechnology, materials and materials processing, and fuel cells," added Roger Bonnecaze, meeting program vice chair. "I think this highlights the evolving nature of the field and its ability to do so."



Indeed, the 2004 program is packed with bio- and nano-related programming — 40% of the technical sessions focus on bio-related fields and 15% focus on nanotechnology.

Continuing on this trend, this year's Institute Lecture, "Lessening the Pain and the Worry of Diabetic People," will be given by Dr. Adam Heller, a trailblazer in biological engineering, on Wednesday, Nov. 10. Heller, a professor of chemical engineering at the University of Texas at Austin and the co-founder of TheraSense, will discuss the continuous glucose monitoring system FreeStyle, an implanted sensor that allows diabetics to monitor their glucose level painlessly and continuously.

Those interested in pushing the boundaries of microwave (MW) and radio frequency (RF) technology are invited to attend sessions at the co-located 4th World Congress on Microwave and RF Applications. The program will encompass many areas of MW and RF research and development, as well as sessions on industrial applications. To learn more, visit: <http://microwave-rf.org/4WC.htm>.

Incomparable Networking

With over 4,000 chemical engineering professionals from around the globe in attendance and as many as 1,500 undergraduate future

chemical engineers, the 2004 Annual Meeting offers participants boundless networking and professional growth opportunities. The Welcome Reception will kick off the conference on Sunday, November 7. Technical division dinners and receptions follow throughout the week.

"The Annual Meeting gives each participant the opportunity to visit with colleagues in the halls, on the expo floor, at the meeting's numerous receptions or in less formal social settings, possibly leading to new or enhanced collaboration," said Ekerdt. "It is our hope they will go back having learned something new that they can use to enhance their professional career, and that they will see the ways in which the profession is evolving."

Attendees can also see the latest technologies and resources shaping industry today at the AIChE/Microwave World Congress Fall ShowCase/Expo, November 7–10. The ShowCase/Expo will feature resources from leading chemical, metal and material manufacturers, research facilities, instrumentation/application companies, publishers and software companies, along with microwave and RF products and services. For more information, go to www.aiche.org/showcase.

Austin: A Vivacious Venue

Named *Yahoo! Internet Life's* #2 Most Wired City in America and *Forbes* #3 Best City for Business, this high tech and biotech mecca is consistently rated one of the top cities to live and play. With a wealth of live-music venues, exceptional restaurants, eclectic arts, and lively nightlife, Austin promises to keep attendees energized into the wee hours.

Remember to Vote!

Voting is underway for the Institute's 2005 elections for President-Elect, Treasurer, and Board Members. Paper ballots have been mailed to all members, senior members and Fellows. Voting can be done by paper ballot or by electronic proxy.* All ballots or votes must be received by September 24, 2004. For more information, including candidate profiles, election details, and a link to the electronic proxy, visit www.aiche.org/candidates.

**Electronic Proxy Ballot: Under New York law, a member can now vote a proxy by electronic means. A proxy is a limited power of attorney affirmatively given to another person or persons to act in his/her stead. Voters will authorize President Byers and Secretary Shelton to vote on his/her behalf for the indicated candidates.*



REGISTER TODAY AND SAVE!

Register before Sept. 30 and save \$90.

For more information and to register, visit www.aiche.org/annual or call 1-800-242-4363 or 1-800-591-8100.

STUDENT MEMBERS AND YOUNG PROFESSIONALS

How Are You Strengthening the Next Generation of Engineers?

By Gordon Ellis

Students return to campus this month, but just down the road, these young engineers will enter a rapidly changing industry and uncertain marketplace. There, the support and guidance of established professionals will be more crucial than ever.

To help student members thrive — and to integrate them into the profession once they leave the classroom — AIChE offers several key initiatives, most notably through its Student Chapters Committee (box) and the newly-created Young Professionals Advisory Board (YPAB).

There are many ways that member professionals can support students as they get in stride with the demands of life in engineering. Here are some of AIChE's ongoing initiatives, and how members can play a role.

National and Regional Student Conference

Among AIChE's most impressive annual events are the National Student Conference and the series of spring regional student conferences. Nearly 2,000 undergraduate student members took part in one or more of these events this past year, and the importance of professional member support — both constructive and financial — cannot be overstated.

Local and regional AIChE professional groups provide guest speakers and career fair representatives for the conferences or donate travel stipends, allowing students from area colleges to participate in regional competitions and to take advantage of this important professional development opportunity.

AIChE's most prestigious and popular

competitions — including the regional and national Student Paper Competition and the Chem-E-Car Competition (photo) — are the highlight of these meetings. Volunteers help plan, judge and secure financial support for these competitions, and are key to their success. Indeed, financial donations from corporations are essential to their existence.

AIChE members and companies who would like to lend their support can contact AIChE at studentchapters@aiche.org.

Awards and scholarships

One of the material benefits of AIChE student membership is eligibility for a variety of scholarships and prestigious competitions — both scholarly and creative.

There are many ways that members can support these programs — through volunteer involvement in the various awards committees, by organizing industry funding of national awards and scholarships, as well as through the creation of new scholarships on the local and regional level.

Companies get heavily involved with programs like AIChE's National Student Design Competition. First conducted in 1932, this annual competition relies upon engineers in industry to submit a real-world design challenge to be tackled by undergraduates.



University of Dayton, winners of the 2003 Chem-E-Car Competition, proudly display their invention.

Companies can contribute to students in their community through their local section, including support to ongoing student outreach efforts and financial and volunteer support.

To learn more about how your company can become active in programs like these, contact studentchapters@aiche.org. AIChE will help make connections.

Young Professionals Advisory Board

One of AIChE's newest and brightest efforts to strengthen the career support network for the next generation of engineers is the Young Professionals Advisory Board, composed of recent graduates. The YPAB aims to integrate younger AIChE members into the profession by increasing their visibility and involvement in each local section. The group provides peer support, leadership development opportunities, and social activities.

Local section groups dedicated to the special interests and career needs of younger members have long been a part of AIChE, but the YPAB is the first nationally coordinated effort to strengthen and promote the network of new engineers. This fall, AIChE will bring together YPAB member volunteers with student groups through a series of campus visits, as well as at the Annual Student Conference.

Young AIChE members who want to be part of the national YPAB, or who would like to organize a young members group within their section, can visit www.aiche.org/ypab or email ypab@aiche.org.

Student Chapters Committee

The Student Chapters Committee (SCC), formed in 1929, is composed of AIChE volunteers, most of whom are faculty members at accredited chemical engineering schools. The Committee and its subgroups coordinate the Institute's outreach to undergraduate student members, and support the work of student chapter advisors and student presidents, who conduct AIChE activities at more than 160 student chapters at universities across North America.

Among its major activities, the committee: organizes and sustains a slate of annual student awards and competitions; programs and conducts a national three-day student conference; oversees a series of spring regional student conferences; and helps the Institute to define and offer relevant support and guidance to undergraduate chemical engineers.

The SCC is looking for new members. If you are interested, please contact AIChE at studentchapters@aiche.org.

50 Year Members

AIChE congratulates the following members on a half-century of membership.

Instrumental in building AIChE's influence throughout the U.S. and abroad, these members have made significant contributions to the chemical engineering profession and to the Institute. Their support has been critical in the development and success of AIChE's technical conferences, professional development program and notable technical journals. The Institute thanks them for their service and support.

Irwin L. Adler	Jack E. Crouch	John M. Holmes	Theodore G. Meglis	Ben W. Smith, Jr.
Ernest S. Alderman	Robert H. Crowther	W. L. Holmes	Henry J. Meier	Buford D. Smith
Arthur Andros	James B. Dahms	Arthur C. Homme, Jr.	Tom B. Metcalfe	Paul W. Snyder, Jr.
Gabriel Appleman	James L. Dale	Robert C. Huber	William H. Millick III	Sydney P. Spence
Webster J. Arceneaux, Jr.	Alexander H. Danzberger	John G. Huddle	Charles J. Mitchell	William T. Sperry, Jr.
Roy A. Baker	Francesco De Maria	Thomas B. Hudson	Chester F. Moore	Robert S. Steffanson
James D. Batchelor	Emerick J. Dobo	Harry M. Iwata	Victor S. Morello	Lawrence H. Stone
William C. Behrmann	A. R. Dudley, Jr.	Fred M. Jacobsen	John B. Muddiman	Harold R. Streckfuss
August D. Benz	Richard E. Dudley	Adrain E. Johnson, Jr.	John Nasser	William E. Swartz
Robert G. Bierbower	Cornelius R. Duffie	Roland E. Johnson	Ernest A. Niles	William F. Taylor
R. Byron Bird	Lawrence V. Durland	Harold F. Kalbach	J. I. Peters	John E. Thompson
W. R. Blackburn	Robert T. Edgar	Stephen M. Karwan	Howard C. Peterson	Frederick H. Tienken
Albert G. Blasewitz	Galoust M. Elgal	Alex Katona	Richard V. Petretti	Thomas A. Trinker
John B. Bockelmann	Saul Elishevitz	Theophanis Katsulos	Thomas W. Pickel, Jr.	Edwin S. Truscinski
Edward D. Boston	William W. Ellis	James C. Kelley	Edmund C. Pokrzywnicki	Donald E. Tunison, Jr.
B. C. Boswell	Nelson S. Embrey	Arthur W. Kelly	John E. Polis	Andrew Turner
Raymond L. Brandes, Jr.	Edward T. Fogg	Morton S. Kircher	Vijaya Ragavan	John H. Van Ness
Boris Brannick	Marc F. Fontaine	John Klemenic	Gilbert E. Raines	George W. Vines
Billings Brown	Mark M. Frimodig	Laurence Kogos	Rubens S. Ramalho	Chester J. Walsh
Larry R. Brown	Robert Geitz	Anton A. Komarek	Norman A. Remer	Edward J. Wasp
Donald R. Brutvan	Martin E. Gluckstein	Joseph M. Kunkel II	Willson C. Rich, Jr.	David E. Weaver
Howard S. Bryant	Earle R. Gurtler	Robert W. Kupp	Kenneth D. Robirds	Stephen Whitaker
Elias Buchwald	James S. Hanson	George C. Lee	Charles E. Rogers	Peter Wikete, Jr.
George Burnet, Jr.	Charles J. Hattman	Edward F. Leonard	Werner Rosenbaum	Alfred L. Wilcox
Roger M. Butler	Ellis L. Hawk	Albin H. Litty	Alan S. Rosenfeld	Stanley B. Wilderoter
Kenneth W. Calkins	Richard L. Heiny	Edward C. Luckenbach	Charles F. Sanders	Bruce W. Wilkinson
Harvey A. Campbell	Hugh G. Hempill	James A. May	Joseph I. Savoca	James A. Wilkinson
Robert R. Cartmell	John W. Herrmann	James H. Mayes	Kenneth J. Schneider	Curtis C. Williams III
Ronald J. Cernik	Ferd W. Hersman	William H. McCarty	Arthur T. Schooley	James L. Williams
William A. Chantry	Sam C. Hite	Edwin McCrillis	Donald C. Seeley	Harold F. Wing
Robert K. Charlesworth	R. Glenn Hoffman	Cyril C. McKenna	Patrick J. Selak	James G. Withers, Jr.
John B. Charlton	Paul Hogroian	John J. McManus, Jr.	Michael R. Shaffer	Otto H. York
Robert Cole	John W. Holeman	James H. McMicking	Wilbur J. Singley, Jr.	Meyer L. Zonis
Brian F. Courtney	Arthur E. Holgate	George H. Meason	Roy G. Sjogren	

Save for College with 529 Plans: Back-to-School Discount

Act now to grow college funds for your children or those special children in your life, and save on taxes, too. AIChE, with its partner Education Financial Services, offers you unparalleled access to 529 plans — investment programs designed to help your family save for future college expenses. Your money grows free from Federal tax, and you may also benefit from other tax incentives. 529 plans are considered to be "state sponsored" because each state has their own unique plan.

Anyone can own or make contributions to a 529 plan. Grandparents, aunts, uncles, friends, or other relatives can participate.

But, which 529 plan is right for your needs? Each plan is different, with varying investment choices, expenses, contribution methods and amounts, and state tax incentives.

The 529 Advisor Questionnaire can simplify the selection process. Answer seven questions and you'll immediately receive two recommendations based on your answers for suitability and the available plans from Education Financial Services.

The 529 Advisor Questionnaire is a fee-for-use program. A single use for AIChE members is regularly \$30. Now, with a "Back-to-School" special for the month of September, members will pay

Join the Nominating Committee

With voting underway for the 2005 Board elections, AIChE President Byers has begun to pull together the Nominating Committee that will select the candidates for the 2006 elections. If you are interested in serving on the committee — or in recommending names for the committee's consideration — contact President Byers at president@aiche.org.

only \$10 for a single use. To learn more, visit www.efs529.com/aiche or call 518-899-6090.

Member Violettee Brown Named SWE President

The Society of Women Engineers (SWE) installed its 42nd president, AIChE member Violettee (Vi) Brown, at a ceremony on Friday, Aug. 6 in Scottsdale, AZ.

Brown will serve as SWE president for one year. She began her SWE membership as a student at Howard University, and has served on the SWE board in numerous roles, including president-elect, vice president-transition (operations), national secretary and regional director. As president of SWE, Brown's duties and responsibilities include representing the organization to the public and presiding over all meetings of the board of directors and membership. In addition to the obligatory roles as president, Brown has two personal priorities relating to professional development and diversity.

"I plan to focus on areas that I view as critical to enhancing the engineering pro-

fession and the corporate environment for women," says Brown. "SWE will be strengthening its professional development programs to include opportunities for all members at various stages in their career development. In addition, I am challenging the board, our membership, and our partners to have a different conversation on diversity — diversity of gender, diversity of race and, most importantly, diversity of thought — to be a catalyst for businesses and governments to fully tap the value of diversity."

Brown is principal and owner of Prophecy Consulting Group, a Mesa, AZ-based firm that specializes in engineering and management consulting. Prior to starting her own firm, she worked for Motorola, Maricopa County Government, Pacific Gas & Electric, CH2M Hill, and Procter & Gamble. She recently received an MBA from



Arizona State University in 2002, and has bachelor and master's degrees in chemical engineering from Howard University.

For more information about SWE, visit www.swe.org or call 312-596-5223.

TSU Engineering Dean Appointed VP of Academics

David R. Finley was appointed to the position of interim vice president for academic affairs at Tri-State University on August 9.

Finley will continue in his role as Tri-State University Dean of the Allen School of Engineering and Technology and associate professor in the Dr. John J. McKetta Department of Chemical Engineering, where he teaches chemical engineering kinetics, material and energy balances, air dispersion modeling and air pollution control equipment design, among other subjects.

As VP of Academics, Finley will represent the four schools on the president's cabinet,

and interact with the TSU board of trustees on behalf of academics.

Finley earned a B.S. degree and an M.S. degree in atmospheric science at the University of Michigan and a Ph.D. degree in chemical engineering from Wayne State University in Detroit. He joined the Tri-State faculty in 1996.



Stratis Sotirchos Dies in Car Crash

Stratis Sotirchos, adjunct professor of chemical engineering at the University of Rochester and AIChE member, died June 13 at the age of 48 in Brussels, Belgium. He was struck by a car while attending a scientific conference. Sotirchos was known internationally for his work in complex chemical systems.

Sotirchos' career revolved around chemical reaction engineering, and later composite materials. At the time of his death, Sotirchos was working on producing carbon nanotubes of surprisingly large size.



Sotirchos studied chemical engineering at the National Technical University of Athens where he earned his diploma in 1979. In 1982, he earned his doctorate in chemical engineering from the University of Houston, Texas, before accepting an appointment at the University of Rochester. He had published

more than 100 refereed journal papers and conference proceedings.

Sotirchos is survived by his wife Kalliope Legaki-Sotirchos, his sons Vlas-sis (Blaze) and Elias.

OBITUARIES

B. C. Boswell, 83, *Kingsport, TN*
 William E. Cleary, 78, *Metairie, LA*
 Luke J. Governale, 88, *Baton Rouge, LA*
 Robert A. Gross, 84, *Warminster, PA*
 James P. Kohn, 80, *Notre Dame, IN*
 William R. Maisel, 53, *Mulberry, FL*
 Harry G. Noll, 89, *Cincinnati, OH*
 Alan S. Pegues, 51, *Austin, TX*
 Robert E. Rezny, 86, *Columbus, NC*
 Gilbert R. Shockley, 85, *Richmond, VA*
 Stratis Sotirchos, 48, *Achaia, Greece*
 Charles J. Stone, 58, *Boynton Beach, FL*
 Utah Tsao*, 91, *Jersey City, NJ*
 Chapin Tyler*, 103, *Hockessin, DE*
 John M. Woods, 78, *Branson, MO*
 Robert D. Wyvill, 56, *Avon Lake, OH*

*Fellow member

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