



AICHe Fellows Newsletter

AICHe
The Global Home of Chemical Engineers

Summer 2016

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Come to Breakfast!

aiche.org/fellows-news-breakfast
San Francisco: Nov 15, 2016
San Antonio: Mar 28, 2017

Get Active with Students!

aiche.org/conferences/student
Meet our future professionals
close to home
aiche.org/students/chapters
Get involved with a student
chapter near you

Useful Links

aiche.org/fellows/council
FC organization and leadership
engage.aiche.org/fellowsdirectory
Where to find an AICHe Fellow
aiche.org/academy
Education & training for chemical
engineers & their companies
engage.aiche.org
The mobile-friendly platform
connecting AICHe members &
their CHE communities
aiche.org/fellows/history
An early history of AICHe Fellows

Contact Us

Fellowscouncil@aiche.org

From the Fellows Council

This second edition of the new communication link for AICHe Fellows features the AICHe Foundation (Page 2), AICHe/CCPS/SACHE Undergraduate Process Safety Education (Page 3), and student programs in the NorthEast Region (Page 4).

The safety education program is essential to meeting the challenges of contemporary and future technology and also apparent new ABET requirements. Please encourage universities you know to participate, especially getting faculty & students to the workshops & boot camps (they are free!).

Page 5 gives the report of the FC meeting in Houston. Note that new FC members can come through nominations from any Fellow, so if you know of anyone who might want to serve, including yourself, please contact us via the link at the bottom of the left column.

Of special interest is our web site initiative underway to enhance communication about and among Fellows. Look for a full announcement in our next Newsletter.

The AICHe is adopting a Roadmap for implementing the AICHe Strategic Plan, presented by June Wispelwey in Houston. There will be many options for Fellows to get involved. Our next Newsletters will provide more specifics about how to participate. Meanwhile,

- 1) Look down the left column for links to student programs
- 2) Fill in the Volunteer Interest Form at
<http://www.aiche.org/resources/forms/fellows-volunteer-interest-form>, so we can plug you into existing opportunities.

We want to engage even more of you in furthering AICHe's mission in the special ways of the Fellows! We look forward to greeting you at our Breakfasts and to receive your proposals for Fellow actions, nominations for FC members, your notes about Fellow issues. And nominate your deserving colleagues to become Fellows!

Jim Hill, Chair; Dave Eckhardt, Vice Chair; John O'Connell, Secretary

Fall 2016 Fellows Breakfast Agenda

Tuesday, Nov. 15, 2016, 7:00 – 9:00 AM; Location TBA

Agenda

- Greetings and Welcome
- Remembrance of our Departed Colleagues
- Introduction & Presentation of New Fellow Pins & Plaques
- Reports: AICHe Leadership, FC Leadership, AICHe Foundation
- Recent Initiatives and Activities: Process Safety Education
- Conversation and Fellowship

Highlights from the Recent Fellows Breakfast

Remembering Our Deceased Colleagues

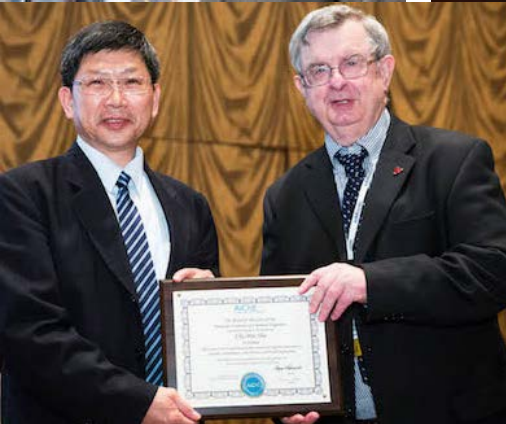
J. B. Martin Thomas R. Marrero Sven W. Englund
Robert F Dye Samuel G. Woinsky

New Fellows: *Received Pins and Plaques

Gilda Barabino Henry Foley Bandaru Ramara
Guohua Chen John J. Hauser Anne Robinson
Brian H. Davison David Kolesar Chi-Min Shu*
David Depaoli William Pitt Lynn M. Walker

Presentations

AIChE Leadership: 2016 Plans, Strategic Plan Roadmap, Foundation
Fellows Council: Undergraduate Student Initiatives



AIChE/CCPS/SACHE Undergraduate Process Safety Initiative Educating the next generation of chemical engineers

DOING
A WORLD
OF GOOD

AIChE and its Center for Chemical Process Safety (CCPS) recognize that the best way to lead the way to a safer world is through better process safety education. Although companies have extensive safety training programs, they find that presenting process safety concepts in the chemical engineering curriculum is most effective.

Today, the vast majority of chemical engineering students graduate with limited process safety education. This situation has consequently created a tremendous opportunity to reinvent and ramp up the program for Safety and Chemical Engineering Education (SACHE).

As part of CCPS's Vision 2020 and with the generosity of early supporters of the AIChE Foundation "Doing a World of Good" campaign, including Founders' Circle members, The Dow Chemical Company (Dow) and Chevron, the Undergraduate Process Safety Learning Initiative is helping define and prepare the next generation of chemical engineers to enter the workforce.

AIChE, CCPS and SACHE have a three-pronged approach to advancing process safety into the undergraduate curriculum for all undergraduates in Chemical Engineering to have a working knowledge of Process Safety, which includes:

- Modernizing and Developing Curricula (with translation into multiple languages)
- Educating Faculty
- Engaging and Educating Students

The 2016 goals have been:

- **Enhance SACHE Modules**
 - Convert the 5 2015 courses interactive format
 - Develop 3 new interactive format courses
 - Translate 5 courses into Spanish
 - Make available on AIChE Academy, to SACHE member departments, & all student members
- **Conduct 4 Faculty Workshops**
 - Dow; Freeport, TX, June 20 – 23, 2016
 - ADM; Decatur, IL, July 25-28, 2016
 - Cargill; Blair, NE, August, 15 – 18, 2016
 - Chevron; Richmond, CA: August 21 -24, 2016
- **Conduct 3 Student Boot Camps**
 - U. California Berkeley; April 2-3, 2016
 - U. Illinois Urbana; September 10-11, 2016
 - Georgia Tech; September 10-11, 2016
- **Hold Faculty Workshop at SF Meeting 2016**
 - "How to Teach a Course on Process Safety"

This is the largest undergraduate process safety education undertaking in the history of AIChE. It cannot be accomplished without the help and support of academia, industry, and individuals. The 2017 goals are to grow all initiatives further.

What can the Fellows and Fellows Council do?

1. Help identify faculty to attend the workshops
2. Provide awareness of the modules and other activities to more faculty and students
3. Help AIChE Foundation find funding sources

By Rich Sarnie and Lisa Lanzkowsky



Pictures from the Student Boot Camp at UC-Berkeley

For more information contact: Rich Sarnie, Director, CCPS Projects: richs@aiiche.org

Or: Lisa Lanzkowsky, Director of Corporate Relations & Major Gifts: lisal@aiiche.org

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Fellows and the AIChE Foundation

The Fellows are providing major and increasing support to the Foundation

Recent Fellows Donation Statistics (Total Fellows = 880)		
Item	Annual 2014	Annual 2015
Total Giving	\$174,751.86	\$327,535.38
Total # Donors (includes with dues)	543	552
Average Gift	\$205	\$365
# Leadership Donors (> \$500)	65	80
Popular Programs Supported:	Annual Fund Acrivos Award Endowment Doing a World of Good	Annual Fund Prausnitz Lecture Endowment Doing a World of Good

The Fellows Council will be working with the Foundation to determine the most effective opportunities for our focus over the next few years.

"The AIChE Foundation's "Doing a World of Good" campaign supports a number of critical AIChE initiatives, including the Undergraduate Process Safety Learning Initiative, the AIChE Endowment, and the AIChE Annual Fund, all of which ensure the advancement of the profession for decades to come. There are many different ways to demonstrate your leadership as a Fellow by contributing. For more information on how you can help shape the profession for the future, visit www.aiiche.org/giving."

Stephanie Viola, Director of Development
stepv@aiiche.org (646) 495 1342

Education Initiatives & Activities: NorthEast Region

AIChE Student Membership is currently appealing to many more students in the Northeast Region. For example, the 2014 Annual Student Conference at the University of Connecticut had ~300 students & ~50 faculty/professional members - many more than expected. The 2015 Student Conference at MIT had ~350+ students & ~50 faculty/professional members. Due to the timing, the 2016 Conference at the University of Massachusetts Amherst had fewer schools but over 200 attendees. The 2017 conference will be at Worcester Polytechnic Institute. At each Conference, there is a highly competitive Chem-E-Car Competition[®], often won by Cornell. In 2016, the top three finishers were within a meter of the finish line!

Some new Chapter advisors in the region were members and leaders as students, so they bring new enthusiasm and experience.

This summer will have three international teleconference "Brainstorming Sessions" with staff and interested AIChE members addressing the mentoring of new Chapter advisors.

Current regional initiatives and activities involving academic and industrial members include:

Dialogs with Department Chairs about educational and professional issues

Department Chairs' Forum restarted by Boston Local Section

Additional resources for Faculty Advisors, e.g., Advisors Forum at Northeast Regional Conferences

Industrial members, especially Fellows, on Advisory Committees, at Student Chapter meetings,

assisting in Process Design, practicals, & "Soft Skills" Courses
Continuing annual student member "Guppy Night" by Boston Section ("The Ichthyologists") with awards for attendance and distance plus mingling of students with professionals.

Dave Eckhardt, Fellows Council Vice Chair

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Fellows Council Roster

<u>Name</u>	<u>Affiliation</u>
Maria Burka	NSF (Retired)
John Cirucci	Spatial Analytics
Douglas Cooper	University Of Connecticut
Joseph Cramer	BSA Consultants
Daniel Crowl	Michigan Technical University
David Eckhardt, Vice Chair	Irwin Engineers
Zenaida Gephardt	Rowan University
Ignacio Grossmann	Carnegie Mellon University
James Hill, Chair	Iowa State University
Jay Lee	KAIST
Barbara McDonald Loe, Staff	AIChE
Thomas Mensah	Georgia Aerospace Systems
Dennis O'Brien	Jacobs Consultancy
John O'Connell, Secretary	University of Virginia (Retired)
Syamal Poddar	Poddar & Associates
Arvind Varma	Purdue University
Ranil Wickramasinghe	University of Arkansas

Report from Fellows Council Meeting April 12, 2016 1:30 - 3:15 PM CDT

The AIChE Fellows Council oversees the organized activities of the Fellows and meets four times per year to discuss Fellow activities and policies. Two meetings are at the fall (Annual) and spring (National) AIChE meetings, and two are virtual, usually by teleconference.

At the in-person meeting in Houston the main topics were:

- (1) Comments from AIChE President, Greg Stephanopoulos:
 - (a) Fellows should be resource for broadening & deepening industrial participation by providing value, especially in meeting programming
 - (b) Engaging thought leaders to make presentations at meetings
 - (c) Being observers & analysts of sessions at meetings
- (2) CEOC & BOD: Coordinate with Roadmap for Strategic Plan
- (3) Foundation: Eduardo Glandt is now Foundation Chair. Look for information about the critical initiatives of the "Doing a World of Good" campaign (see above)
- (4) Revision of Fellows Council bylaws with approval during Summer teleconference
- (5) Positive comments about Spring Newsletter; next edition in June, 2016
- (6) Positive comments about Breakfast format (less on leadership, more on activities)

- (7) Prioritize FC activities: strategic issues programming, supporting student chapter programs & ChE departments, process safety education, international programs
- (8) Enhance Fellows communication: new website, liaisons with SIOC, YPs, Local Sections
- (9) FC succession planning, including soliciting nominations from Fellows

From minutes of the meeting prepared by John O'Connell, Secretary