

Highlights from 2018 Fellows Breakfast in Orlando

Remembering Our Departed Colleagues

James M. Braus	Harold W. Flood
Charles A. Clerecuzio	William R. Gustafson
William W. Ellis	Robert E. Maples
Alfred J. Engel	Peter J. Reilly
Paul R. Roberts	

New Fellows: *Received Pin & Plaque

Frances H. Arnold	Mary K. Lynch
Madan M. Bhasin*	Robert Y. Ofoli*
Linda J. Broadbelt	Edgar A. O'Rear III
Marco J. Castaldi	Ahmet Palazoglu
John Champion*	Katherine E. Pearson*
Linda Cheng	Jimmy Don Orr*
Panagiotis D. Christofides	Mark A. Stadtherr
Joanne Beattie Compton	James R. Thompson
Gayle J. Gibson	Levi T. Thompson
Michael A. Henson	Huanting Wang
Kathleen A. Kas*	W. Vincent Wilding
Timothy Zygula*	



Photos: Margot Hartford

Beginning at 6:30 AM on April 24, 68 Fellows attended the 2018 Fellows Breakfast in Orlando.

The program included:

- Departed Colleagues
- New Fellow Pins & Plaques
- AIChE Leadership Reports:
 - President: Chris Seymour
 - President-elect: Kim Ogden
 - Executive Director: June Wispelwey
 - Foundation Trustee: Eduardo Glandt
 - FC Chair Syamal Poddar
- Attendee Survey: "How can AIChE keep members engaged after they retire?"



Leadership Reports at 2018 Fellows Breakfast in Orlando

“Diversity and Inclusion: A Priority for 2018 & Beyond”



President,
Chris Seymour

Save the Date!
December 11,
2018

2018 AIChE® ANNUAL GALA
INSPIRING & EMPOWERING
WOMEN
IN ENGINEERING



Orlando Meeting Programming:

- Chem.E's with Disabilities + Allies Reception and Forum
- Understanding Unconscious Bias in the Workplace Workshop
- Real Stories of Unconscious Bias in the Workplace Panel
- Disability Unity Community Convocation

Margaret Hutchinson Rousseau Pioneer Award for Lifetime Achievement

- Established in 2017 with generous support from Pfizer



Pittsburgh Meeting Programming:

- Women’s Initiatives Committee (WIC) 20th Anniversary Symposium
- Minority-Serving Institutions’ Leadership Development Initiative
- 3rd Annual LGBTQ + Allies Reception
- ChemE’s with Disabilities Reception & Disability Unity Community Convocation

2017 Accomplishments



Executive Director,
June Wispelwey

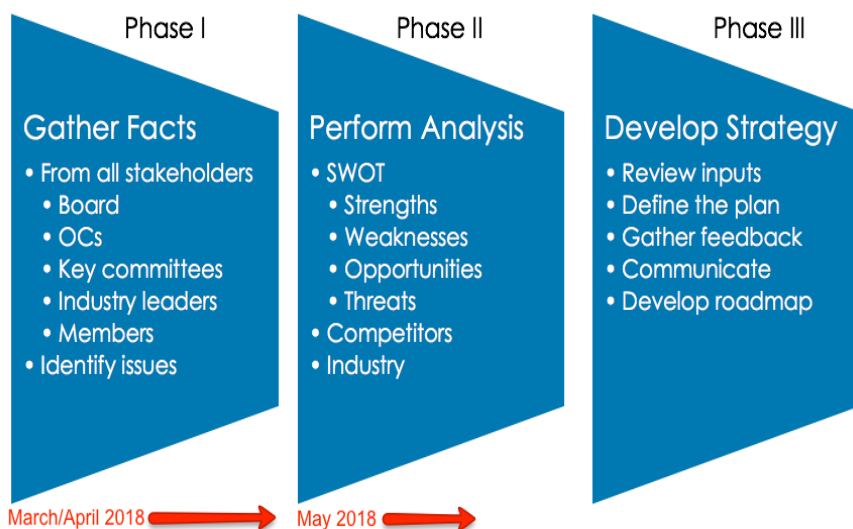
- Negotiated & operationalized RAPID
- Expanded National meeting programming & exhibits
- Launched 2 pilot programs to increase membership
- Received \$6.2 MM towards “Doing a World of Good”
- Grew Undergraduate Process Safety Learning Initiative (UPSLI)
- Extended global expansion; 5 overseas ChemECar® matches
- Expanded social media presence, AIChE Engage
- Added \$3.6 MM to AIChE net assets

Primary 2018 Goals

- | | |
|--|-----------------------------------|
| Develop strategic plan | Achieve operating profit (\$226K) |
| Increase & retain professional members | Continue to fund & develop UPSLI |
| Start Diversity & Inclusion program | Enhance and grow IT initiatives |
| Achieve RAPID’s milestones & develop its sustainability plan | |

AIChE's New Strategic Plan

This year, AIChE began formulating its new strategic plan, as the current plan was originally developed in 2008 and lightly refreshed in 2013. The Institute, under the leadership of the Executive Director and the Strategic Planning Committee (comprised of 12 current and recent AIChE leaders), has followed a 3-phase process (see diagram below with more detail [here](#)). Data have come from current members, potential members, & other stakeholders via:



- Email survey, on ChEnected, AIChE's social media channels, & SmartBrief
- AIChEngage Discussions;
- Virtual focus groups of committees, divisions, forums, & technical entities
- In-person meetings with: Center for Chemical Process Safety (CCPS), Board of Directors, Operating Councils, Foundation Corporate Council, Industry CEOs, Fellows
- Data collection at AIChE's booth at the 2018 Spring Meeting & 14th Global Congress on Process Safety in Orlando

The goal was to find out trends impacting our profession & industry, what members want from their professional society, strengths & weaknesses of AIChE, & our role in advocacy.

Several critical needs are emerging:

- strengthen existing, and create new, technical communities including divisions
 - aggressively deliver innovative products & services via advanced Information Technology
 - enhance & develop lifelong learning for students, members, & other stakeholders.
- Other themes under discussion include membership growth & outward advocacy for public policy & for the chemical engineering profession.

The data are now being analyzed for AIChE strengths, weaknesses, opportunities, & threats (SWOT), along with additional strategic analyses. A draft plan will be discussed by the AIChE Board of Directors in July and finalized in September. It will be presented to membership during the 2018 Annual Meeting in Pittsburgh, PA.

The Orlando Fellows Breakfast included a special activity of attendees to provide data for the Strategic Planning process. June Wispelwey posed the question, "How can AIChE keep members engaged after they retire?" Some of the suggestions were:

1. Personal asks for specific involvement
2. Advertise opportunities for networking, consulting, working, investment
3. Consider additional virtual connections with training
4. Make volunteering easier; publicize opportunities, give example retiree activities
5. Develop more focused communications for retirees
6. Publicize PAIC opportunities

Your Fellows Council wants to know your priorities about these and other ideas on how older members can remain engaged! Let us know at: fellowscouncil@aiche.org

AIChE's Rapid Advancement in Process Intensification Deployment (RAPID) Institute

AIChE's DOE-sponsored RAPID Institute continues to grow in membership, activities, and events. Current projects number 25; members now include 24 companies, 5 government & national labs, 29 universities, and 6 non-profits. Expect 75 members before 2019. More than \$500k in dues collected.



The following events have occurred since the last Fellows Newsletter:
 January 29: Thomas J. Walsh Joins Rapid as Interim CEO
 February 6: Launch of Ten Webinars on Process Intensification for members
 March 29–May 22: Project Submissions in Technical R&D, Education & Workforce
 May 1: First Annual Report released; get it [here](#)
 May 29: Orlando Spring Meeting Speed Dating Event in Leads to Matches!
 June: Summer Intern 10-week Program of 14 graduate & undergraduate students.



Complete Information on RAPID's technology focus areas, updates on Institute activity, information on the recently opened call for proposals, future events, and contacts can be found on the RAPID site: aiche.org/rapid.

Public Affairs & Information Committee (PAIC)

In order to better "...serve society, particularly where chemical engineering can contribute to the public interest..."

- Provide technical information to public & to policy makers
- Be appointed to government committees
- Expand AIChE members' policy knowledge
- Create & disseminate white papers, blogs, CEP articles

Chair: Nada Assaf-Anid

Working groups:

- Advanced Manufacturing - Ka Ng
- Climate Change Adaptation & Resilience - Mary Ellen Ternes
- Communications - how to communicate with government - Phil Westmoreland

Browse to: aiche.org/community/committees/public-affairs-information-committee-paic



AIChE Foundation



Our \$15 million campaign to shape the future of chemical engineering

As of late May, the “Doing a World of Good” Campaign has raised \$10.3 MM from 5593 donors, including \$1.1 MM from 50+ % of the Fellows. Already significant impacts have been made with these funds. Links are at aiche.org/giving/impact/stories. Of particular interest are the “Doing a World of Good” podcasts funded by Raj and Kamla Gupta. The 1st features



Kelly Barb & Fellow John Cirucci of AIChE’s Global Social Initiatives Committee to promote social action & volunteerism (Click [here](#) to listen). The undergraduate process safety learning initiative (UPSLI) has been



funded with faculty workshops, Student boot camps, and curricula materials.

Finally, a generous gift from Fellow Scott Love’s has established AIChE’s Process Engineering Community to provide service to what he considers to be a “silent majority” of process chemical engineers who play vital roles in chemical industries.

We are the philanthropic arm of AIChE, where chemical engineers give back.

- The World of Chemical Engineering: New programs expanding AIChE’s global reach
- Best In Class: Enhancing undergraduate curricula & promoting lifelong learning
- Opening Doors For Young Professionals: Engaging young chemical engineers into the profession & AIChE leadership
- Expertise Anytime, Anywhere: Innovative products & services via new technologies
- Grand Challenges & Opportunities: Public & government education initiatives on critical issues, focusing on water & energy



Other Ways Fellows Can Give Back

Fellows are urged to contribute their time and expertise to some of the many activities and needs of AIChE members, students, and entities. While there was previously a special web portal for Fellows volunteering, there is now a more complete site to be matched to appropriate individual opportunities. Volunteer Central is

where you can now submit your interests and availability, and be connected to those who can take best advantage of your interests and give a satisfying experience. (aiche.org/community/sites/fellows/fellows-volunteer-service).

Fellows Web Site

We encourage you to browse to aiche.org/community/sites/fellows to keep abreast of FC activities and find useful information. In particular, all Fellows can retrieve election criteria and nomination packets. The AIChE 2017 Annual Report can also be downloaded from the Fellows Home Page.

The web site has many sections that can be edited by the website managers, Jo Rogers and John O’Connell, as pictured on the lower left of the home page. Suggestions for improved navigation, corrections, and enhancements are welcome!

2018-2019 Fellows Council Roster (*Term Ends 2018)

<u>Name</u>	<u>Affiliation</u>
Maria Burka*	U.S. National Science Foundation (Retired)
Douglas Cooper*	University of Connecticut
Joseph Cramer*	BSA Consultants
David Eckhardt, Past Chair	Irwin Engineers
Zenaida Gephardt*	Rowan University
Ignacio Grossmann	Carnegie Mellon University
Barbara McDonald Loe, Staff	AIChE
Thomas Mensah*	Georgia Aerospace Systems
John O'Connell, Secretary	University of Virginia (Retired)
Syamal Poddar, Chair	Poddar & Associates
David Rockstraw	New Mexico State University
Jo Rogers	DIPPR
Chi-Min Shu	National Yunlin U. Science & Technology, Taiwan
Ranil Wickramasinghe*	University of Arkansas

There Are Many Long-Time Fellows & Recent Ones Too!

Currently, there are 896 AIChE Fellows. AIChE records show that there are 29 Fellows with active memberships who were elected more than 40 years ago. Johnny McKetta is the longest; he became a Fellow in 1971, shortly after the Fellows Grade was initiated (see the History of the Fellows at aiche.org/fellows-history). Further, there are 133 active Fellows who were elected between 30 and 39 years ago & 140 elected between 20 and 29 years ago.

During 2017, 37 members became Fellows. The AIChE Constitution allows for 5% of the membership being Fellows; we are at less than 3%. Let the nominations flow!

We are privileged to have in our Fellowship, and proud to know, all Fellows for their achievements and stature, especially those who have been leaders of our profession and Community for so many years.

Fellows Council Activities

The AIChE Fellows Council oversees the organized activities of the Fellows and meets at least four times per year to discuss Fellow activities and policies. Two meetings are face-to-face at the fall (Annual) and spring (National) AIChE meetings, and two or more are virtual, usually by teleconference. Link to the Bylaws document from: <https://www.aiche.org/community/sites/fellows/leadership>. See next page for summaries of recent meetings. Fellows interested in being considered for FC service should [contact us](#).

Fellows Cosponsoring AIChE Programming (J. Hill)

Former FC Chair, Jim Hill, is active in many sectors of AIChE. Through his involvements in the Executive Board of the Programming Committee ([EBPC](#)), and the Council for Chemical Research ([CCR](#)), the Fellows will cosponsor with CCR sessions in Pittsburgh on Energy (with an invitation to the Secretary of Energy) and on Marcellus Shale (J. Sirola is to speak). EBPC task forces to improve Annual Meeting programs, enhancing Topical Conferences, improving graduate student experiences including poster sessions to meet industrial recruiters

Fellows Support of Chemical Engineering Departments (D. Eckhardt)

Past FC Chair, Dave Eckhardt, is heavily involved with providing assistance to US chemical engineering departments. He is stimulating and participating in regional Department Chair gatherings in the Northeast, Rocky Mountain, and Southeast regions. His major gift helps sponsor the Northeast Regional Student Conference. Dave is developing sessions & presentations on Senior Capstone Process Design courses. He is participating on Department Advisory Committees. He hopes that these actions will encourage other Fellows to engage with chemical engineering education.

Professional Registration and FE and PE Examinations (J. Cramer)

FC member Joe Cramer, along with Fellow Bill Parrish, have organized several sessions at recent and forthcoming AIChE Meetings on the paths and content toward professional registration, as related to chemical engineering. These include having the President of NCEES speak, a series on professional ethics organized by Fellow Deb Grubbe, the FE exam as a curricular assessment tool, and sessions at the Annual Student Conference on the value and process for professional licensing.

Fellow Nomination and Selection of International Members (J. Rogers)

FC member and Vice Chair, Jo Rogers, a long-time member of the AIChE Admissions Committee, along with FC member Joe Cramer and Fellow Benny Freeman, is leading an effort to identify barriers to Fellow nominations from outside North America. We want to ensure that the process does not inhibit the selection of those qualified and interested in becoming an AIChE Fellow. If you know of any potential nominees for Fellow who reside outside of North America, please [contact us](#).

Summary of Fellows Council Telecom **January 19, 2018. 5:00 - 6:00 PM EST**

- FC Meeting plans for 2018 – Four to five meetings total
- Fellows Web Site – J. Rogers to become a Webmaster
- FC Chair to send personal welcome notes to new Fellows
- Support of Regional University Department Chairs expanding
- Special letter to be drafted & sent to Emeritus members & Fellows to encourage continued participation
- Fellow Nominations and Admissions – Barriers to selecting international Fellows
- Professional Registration – Build member and student awareness and engagement
- Foundation – Fellow contributions to “Doing a World of Good” exceed \$1MM
- Quality at AIChE Meetings – Support EBPC and other entities to improve sessions
- Membership of Fellows Council – No new FC members for 2018
- Next meeting face-to-face in Orlando, April 24, 2018

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

Summary of Fellows Council Meeting in Orlando **April 24, 2017 9:30 – 11:00 PM EDT**

- E. Miller, A. Khogeer attend as guests
- Fellows Breakfast good. Proposal for AIChE President help present to new Fellows.
- Strategic Programming Initiatives (See page 8.)
- Admissions Committee to test issues limiting nominations, especially internationals
- “Doing a World of Good” > \$10 MM. (See page 6.) FC & Fellow participation goals?
- D. Eckhardt attending & supporting University Department Chair Regional Meetings
- Consider enhancements of Web site with Q & A, individual activities
- Telecoms in June & September followed by face-to-face in Pittsburgh, October 30

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