

AIChE

**Fellows** 

AICHE The Global Home of Chemical Engineers

# Newsletter

### Winter 2018

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#### Come to Breakfast!

aiche.org/community/fellows/events Orlando: April 24, 2018 Pittsburgh: October 30, 2018

#### Get Active with Students!

#### aiche.org/conferences/student

Meet our future professionals at Regional Conferences close to your home this Spring

aiche.org/students/chapters/find Get involved with a student chapter at a

university near you

#### **Useful Links for Fellows**

aiche.org/community/sites/fellows/leadership FC organization and leadership

engage.aiche.org/fellowsdirectory

Where to find an AIChE Fellow (Requires login)

#### aiche.org/academy

Education & training for chemical engineers & their companies

#### engage.aiche.org

The mobile-friendly platform connecting AI ChE members & their CHE communities

aiche.org/community/sites/local-

#### sections/virtual-local-section

The global "local section" for members unable to interact live with other ChEs

#### aiche.org/paic

AIChE's Committee on Public Affairs & Information

#### **Contact Us**

fellowscouncil@aiche.org

# From the Fellows Council

This edition of the Fellows Newsletter begins our third year of communicating information and features relevant to the AIChE Fellows. Our goal is to involve more of you in furthering the mission of AIChE in the special ways of the Fellows!

Page 2 has the <u>message from the incoming Fellows Council</u> <u>Chair</u>, Syamal Poddar.

Pages 3 & 4 have <u>2017 Annual Meeting Fellows Breakfast</u> <u>highlights</u> with summaries from AIChE leaders.

Page 5 describes current efforts of the Fellows Council, especially to <u>support University ChE Departments and</u> programming, as well as news from <u>RAPID</u>.

Page 6 has news of the <u>AIChE Foundation</u> matching gift challenges & The Gala. AIChE <u>Fellows have contributed \$1.1</u> <u>MM</u> to the Doing a World of Good campaign.

Page 7 gives the <u>FC roster for 2018</u> and <u>summaries of the FC</u> <u>meetings</u> in November 2017 and January 2018.

Changes to the Fellows web site have appeared; browse to <u>aiche.org/community/fellows</u>. Comments about site improvements and enhancements are welcome!

We look forward to greeting you at our Breakfasts, to considering your proposals for Fellows activities, and to receiving your communications about issues important to the Fellowship.

Best regards, Syamal Poddar, Chair; Dave Eckhardt, Past Chair; Jo Rogers, Vice Chair; John O'Connell, Secretary

### Spring 2018 Fellows Breakfast

Tuesday, Apr. 24, 2018, 6:30–9:00 AM; Orlando World Center Marriott: room to be determined

#### Agenda

- 6:30 Coffee & Fellowship
- 7:30 Greetings and Welcome
- 7:35 Remembrance of our Departed Colleagues
- 7:40 Introduction & Presentation of New Fellow Pins & Plaques
- 7:50 Reports: AIChE Leadership, FC Leadership, AIChE Foundation
- Recent Initiatives and Activities: Supporting University ChE Departments

See <u>www.aiche.org/community/fellows/events</u> for details

Best Regards, Syamal Poddar

# AIChE Fellows Newsletter Winter 2018

# From the Fellows Council Chair

Dear Fellows:

Let me begin with my heartfelt best wishes to all of you for a successful 2018 with peace, prosperity, and good health.

We recognize the excellent direction of the 2017 leadership team led by our past chair, Dave Eckhardt, and I welcome the 2018 Fellows Council Leadership Team:

Chair: Syamal Poddar Vice Chair: Jo Rogers Past Chair: Dave Eckhardt Secretary: John O'Connell

There are a few items we shall be putting our energy into and setting our focus on. These are to:

- Welcome newly elected Fellows personally via telephone calls and during the Fellows breakfast meetings at the Annual and Spring meetings and not just by honoring them with Plaques and Pins
- Energize our young professionals to transform them to be effective future leaders of our profession, both in academia and the industries we serve
- Catalyze better interaction of industry leaders with academics
- Bring diversity to our Fellows pool and to the Fellows Council
- Encourage international participation by expanding our international presence
- Work closely with the Foundation to expand and enhance positive impacts on the society we live in and serve
- Expand our Fellows membership by encouraging our existing Fellows to look for qualified senior members to be nominated for this category of membership. Please use the nomination package available at http://www.aiche.org/community/sites/fellows/fellows-nominations
- Creatively devise options to have our Emeritus members actively participate, particularly those who are currently not fully engaged

These may not necessarily be new initiatives. However, I am suggesting that we need to do more on them.

I am looking forward to seeing many of you at the Spring meeting in Orlando, Florida. My sincere thanks to you for your continued support to our profession and to our global professional home, AIChE.







# AIChE Fellows Newsletter Winter 2018 AIChE

### Highlights from Fall 2017 Fellows Breakfast I.

### Remembering Our Departed Colleagues

Douglas W. Anderson John C. Bonacci Gordon G. Cross Ronald Darby James M. Dotson Edgar B. Gutoff L. Louis Hegedus Marvin M. Johnson Harold B. Kaufman, Jr. Jerome Meldon

### Ralph Simon

### New Fellows: \*Received Pins & Plaques

Fernando Aguirre\* Guillermo Antonio Ameer\* Taryn Melkus Bayles\* Dorothy Klein Buckoski Yu-Wen Chen\* Seshu Dharmavaram Dale Lee Embry Warren M. Ewert Kristen A. Fichthorn\* Priscilla J. Hill\* Kathleen A. Kas Arnis Judzis Ahmed S. Khogeer Matthew Kolodney Michael R. Ladisch\* Lin Li\* Robert W. McCabe\* Reza Mostofi\* Reid Peterson\* Efstratios N. Pistikopoulos\* Hebab A. Quazi\* Shripad T. Revankar Gregory C. Rutledge Nickolaos Vasili Sahinidis Richard W. Sarnie Johannes Walter Schwank\* James R. Swartz\* Manolis M. Tomadakis\*

#### **Photos: Margot Hartford**















## Highlights from Fall 2017 Fellows Breakfast II.



### June Wispelway Executive Director 10 years of Growth

- <u>Revenue</u>: > 200 % increase
- Net assets: > 800% increase
- Gala created & successful
- Foundation relaunched
- Young Professionals Created
- Education back & growing
- Undergrad Process Safety
- New Technical Communities: >7
- New Specialty Conferences: > 20
- Scale up Undergrad membership



AIChE



### Bond Callaway, 2017 AIChE President 2017 – A Transformative Year!

- RAPID
  - Unprecedented award of a manufacturing institute to a professional society !
- AIChE <u>Constitution</u> Modernized First change since 2003, many improvements
- New <u>Journal</u>: Bioengineering & Translational Medicine
- Continued <u>growth</u> in many areas including: Foundation, Education, YPZero ...!



### Christine Seymour, 2018 AIChE President → Into the Future !

- <u>Strategic Plan</u>
- Continued efforts to bring value to all members
- New areas including RAPID & advanced manufacturing
- Growth in established areas
- New Award: Margaret Hutchinson Rousseau Pioneer Award for Lifetime Achievement by a Woman Chemical Engineer
- Spring meeting in Orlando, Annual in Pittsburgh

An album of photos by Margot Hartford of events at the Minneapolis Annual Meeting Fellows Breakfast can be accessed at: https://www.flickr.com/photos/chenected/albums/72157688753534091

### **Fellows Council Activities**

#### ChE Department Chairs' Regional Meetings/Retreats

A major, multi-year Fellows' initiative is to create and support recurring Department Chairs' Regional Meetings so that all Department Chairs have a peer group and forum for discussing their collective needs and interests.

The <u>Southeast</u> Region (the Southeast Student Region with several states added), has held a successful, well attended Department Chairs/Heads Meeting for ~50 years. This year's event is being planned by John Weidner (U. South Caroline) and will be held lung 2



planned by John Weidner (U. South Carolina) and will be held <u>June 3-5, 2018</u> at the Hilton Clearwater Beach Hotel & Spa. Agendas (2017 & 2018) will be posted on the Fellows Website, when available. Due to the popularity of this event, Weidner indicates limited available space for chairs from outside the Southeast. Contact John for more information.

Fellows Council Member David Rockstraw of (New Mexico State U.) is planning a <u>Southwest-Rocky Mountain</u> Department Chairs Meeting/Retreat for <u>June 8-10, 2018</u> in Sante Fe, NM. Hotel details should be available in the next few weeks. Rockstraw has caucused with the SE Region Team to plan the event; there is room for several more chairs from outside the Region; contact David at drockstr@ad.nmsu.edu. A program can be found at https://chme.nmsu.edu/2018-aiche-sw-regional-chairheads-conference.

Fellows Council is working with Ed Maginn (Notre Dame U.) to plan a <u>Great Lakes-Midwest</u> Regional Meeting for <u>June 2019</u>. We welcome added chairs to help plan this event. Please contact Ed or Dave Eckhardt.

Fellows Council is also working with Tom Webster (Northeastern U.) and Jeol Plawsky (Rensselaer Polytechnic Inst.), and Geoff Bothun (U. Rhode Island) to plan a <u>Northeast</u> Regional Chairs Conference Retreat for <u>June 2019</u>.

In all cases, the regional department chairs set the Agenda, choose dates and locations. AIChE and Fellows Council supports these efforts, as requested. The Education Division is cooperating with postings about the Meetings. Fellows Council members, David Rockstraw, John O'Connell, and Dave Eckhardt are involved.

#### **AIChE Fellows Web Site and Volunteering**

We encourage you to browse to <u>aiche.org/fellows</u> to keep abreast of FC activities and information. The web site has many sections that can be edited by the website manager, John O'Connell. <u>Suggestions for improved</u> navigation, corrections, and enhancements are welcome!

Fellows are urged to contribute their time and expertise to some of the many activities and needs of AIChE members, students, and entities. There is a complete site to submit information for matching individuals with opportunities. <u>Volunteer Central is where you can now submit your interests</u> and availability, and connect to those to take best advantage of your interests and give a satisfying experience

(http://www.aiche.org/community/sites/fellows/fellows-volunteer-service).

### RAPID Institute

"We can do more together. As a member of RAPID, you'll be part of the premier group of industryleading organizations working on more efficient processes and distributed industrial modularization."

Fellows are encouraged to inform their organizations about the opportunities of RAPID membership.

#### Recent news:

RAPID Institute Announces First 21 Project Selections, November 2, 2017

https://www.aiche.org/rapid/about/press/releases/11-02-2017/rapid-institute-announces-first-project-selections

RAPID Holds <u>First Congressional Briefing</u> on Capitol Hill, December 14, 2017 https://www.aiche.org/rapid/news?field\_global\_news\_type\_tid=117651

More information at: http://processintensification.org/

### **AIChE Foundation News**

### Syamal and Susmita Poddar Challenge Match

The year 2017 has been a transformative and pivotal year for the AIChE Foundation, thanks in large part to the great leadership and generosity of AIChE Fellows.





In the spirit of reflection and gratitude, my wife, Susmita and I were inspired to gift a \$20,000 matching challenge to the AIChE Foundation. We matched dollar to dollar up to \$20,000 of all funds raised by 2017 year-end.

I'm pleased to announce, thanks to my fellow 304 peers whom participated, together we have raised a total of \$51,000 to support the AIChE Foundation's Annual Fund program. Susmita and I sincerely thank you for your partnership, leadership and generosity to the Institute and chemical engineering profession.

With gratitude, Syamal K. Poddar, AIChE Trustee and Chair of Fellows Council

### Gerald A. Lessells Challenge Match for Henry T. Brown Scholarship Endowment



Funding of the Henry T. Brown Endowment for the Education of Under-Represented Minority Chemical Engineers has been given a solid foundation thanks to Gerald A. Lessells - an AIChE Fellow and longtime friend of Brown. To build the endowment, Lessells, who collaborated with Brown on AIChE's earliest minority outreach activities, has made a challenge gift and will match others' donations to the fund up to \$50,000.

AIChE's Minority Affairs Committee (MAC) scholarship program has been named in honor of Brown — a key leader and mentor to

minority chemical engineers over the past 50 years. MAC scholarships have been presented to more than 450 high school and college students. The Brown endowment is mow over \$142K; the goal is \$300,000.

For more information on how you can make a gift, please visit https://www.aiche.org/giving/impact/funds/henry-t-brown-endowment.

### AIChE Gala Celebrates Leaders

The 2017 AIChE Annual Gala honored LyondellBasell and Bechtel Group, Inc., along with those companies' leaders, for their efforts to inspire the next generation of engineers on December 6, 2017.

The gala also honored Jim Fitterling, president and chief operating officer of The Dow Chemical Company, who received the AIChE Foundation's inaugural Doing a World of Good Medal, saluting his achievements to advance the societal contributions of engineers.

The gala raised \$450,000 to support programs that strengthen pre-college STEM education and foster a diverse and inclusive engineering profession.

See the details at: https://www.aiche.org/giving/events/gala/2017-12-06



### 2018-2019 Fellows Council Roster

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

### Summary of Fellows Council Meeting in Minneapolis October 31, 2017 and Telecom January 19, 2018

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.

At the Minneapolis meeting on October 31, 2017, the main topics were:

- (1) Review of BOD decisions and CTOC activities
- (2) Support for ChE University Departments via Regional Department Chairs meetings and Courses in Process Design (See p. 5)
- (3) Strategic Initiatives of Sessions at World Congress (slides uploaded to Fellows Website), Cosponsor sessions at 2018 Annual Meeting on "Changes in the Chemical Industry" and Styles of Teaching UG Process Design; potential opportunities in Manufacturing initiatives
- (4) MAC award session and Speed Mentoring workshop
- (5) Sponsored Research: RAPID, DIERS/DIPPR/CCPS progressing well
- (6) PAIC initiatives on climate change, fracking & shale gas, process safety reviews (See <u>aiche.org/paic</u>)
- (7) Admissions Committee developing test cases to facilitate international Fellow nomination and selection
- (8) Professional registration information sessions & evaluating PE prep course in AIChE Academy
- (9) Next telecom in January followed by face-to-face in Orlando, April 24, 2018

In the Telecom on January 19, 2018, the main topics were:

- (1) Chair's initiatives for 2018 (See p. 2)
- (2) Fellows Website; content and layout options
- (3) Support for ChE University Departments via Regional Department Chairs meetings and Courses in Process Design (See p. 5)
- (4) AIChE Foundation support by Fellows
- (5) Engaging Emeritus Fellows & members
- (6) Recognizing long-time Fellows

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