

# AIChE Fellows Newsletter

## Fellows Breakfast—Boston, November 2021

We were finally able to hold the breakfast “in-person”! Fellows who were able to attend all commented on how wonderful it was to be able to meet and greet each other in person.

However for those not able to come to Boston a Virtual Fellows Gathering was also available.

## From the Fellows Council

This is the last edition of the Fellows Newsletter for 2021 (I apologize for the late publishing—the holidays got the better of me!). I hope you had as good a holiday as I did!!

Starting in 2022 we look toward publishing 4 newsletters a year. Your comments are solicited as to content you would like to see, or if you would like to provide content. Our goal remains to involve you in furthering the mission of AIChE!

[Click the links on the right](#) to jump to features on the following pages.

The Fellowship and AIChE are looking forward to greeting you at our gatherings, to considering your proposals for Fellows activities, and to receiving your thoughts about issues important to the Fellowship.

Best regards, Robert Ofoli, Chair; Annette Johnston, Vice Chair-Elect; John O’Connell, Anthony Fregosi, Secretaries

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### Special points of interest

#### ***Come to Breakfast!***

#### **Fellows Events**

San Antonio: April 12, 2022

#### ***Get Active with Students!***

#### **Student Conferences**

Meet our future professionals at the Annual meeting in Boston

#### **Find Student Chapters**

Get involved with a student chapter at a university near you

### Useful Links

#### [Fellows Leadership](#)

FC organization and leadership

#### [Fellows Directory](#)

Where to find an AIChE Fellow

#### [Fellows By-Laws](#)

Current Governance Document

#### [Fellows Volunteer Service](#)

Register your interests & availability to volunteer AIChE service

#### [AIChE Academy](#)

Education & training for chemical engineers & their companies

#### [AIChE Foundation](#)

Doing a World of Good

#### [AIChE 2020 Annual Report](#)

Complete information about AIChE activities, organization, and people

#### [Contact Us](#)

Email the Fellows Council



## From the Chair-Elect of the Fellows Council



*“The expertise of Fellows is a key resource for mentorship and support of newer members, as they build their own expertise and impact.”*

Happy New Year, Fellows! I am honored to follow Robert Ofoli as Chair of the Fellows Council. I look forward to a year where I may be able to meet many of you in person.

In 2022, we will continue to work on the impact, and the prestige, of the Fellow Membership grade.

We have these 2022 goals:

1. To increase the diversity of Fellows members by supporting and encouraging nomination of candidates representing the diversity of the overall Institute membership.
2. To increase engagement of Fellows with Student Chapters until each Student Chapter has a personal relationship with a Fellow.
3. Support all AIChE activities that are enriched by mentorship. For example, supply mentors for ACE4G papers, ChemE cube, ChemE Sports, ChemE Jeopardy, Design Problems.

We continue to work to grow the numbers of diverse AIChE members that should be recognized as Fellows. The prestige of the Fellow grade only shines brighter when AIChE points to the diversity of AIChE

members that have made significant contributions to the profession, and to the Institute. Sometimes those nominations will come from groups within AIChE that are not experienced, or confident, in assembling a Fellow Nomination package. The Fellows Council will continue to reach out to these organizations in order to encourage identification of new candidates. We also produced a short video about how to put together a nomination package, which can be found on the Fellows Page of the AIChE website.

The expertise of Fellows is a key resource for mentorship and support of newer members, as they build their own expertise and impact. We advocate mentorship of all members, and have focused upon mentorship of Students and Student Chapters.

There are so many activities that Student Chapters can participate in, including Regional Meetings, Design Problem, ACE4G, ChemE Car, ChemE Sports, ChemE Cube, and a variety of sustainability projects. We are looking to match a Fellow with every

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### Fellows Council Activities

The AIChE Fellows Council oversees the organized activities of the Fellows. The FC meets at least four times per year to discuss Fellow activities and policies.

Two meetings are face-to-face at the Spring (National) and Fall (Annual) AIChE meetings; virtual meetings occur on the 4th Tuesday of the other months.

Fellows interested in being considered for FC service should [contact us](#).

### AIChE Annual Meeting, Boston



#### **Building the Bridge in 21st Century Education: Chemical Engineering Industry + Academia**

The 2021 Annual Meeting is now behind us—and was by all accounts a success.

It's time to look forward to a new year of service to the profession and the Institute.

Please join the fellowship in sharing our combined knowledge with those who are coming after us!

Our next “national” event will be the [2022 Spring Meeting and 18th Global Congress on Process Safety](#)—April 10-14, 2022—Henry B. González Convention Center, Hyatt Riverwalk, San Antonio, Texas

Look for more detailed information in the next newsletter.





New Fellows were celebrated with a video highlighting their contributions to the profession. [Congratulations New Fellows](#)

## Moment of Silence

Our departed colleagues were given a moment of silence:

Jo Rogers  
Joel Kirman  
Soni Oyekan

## From the Chair-Elect of the Fellows Council (Cont'd)

student or Student Chapter that asks for help with support of these activities. Accordingly, an email address has been established for any Student Chapter to send us a message requesting support. We shared this email at the Annual meeting with Student Chapter advisors and presidents. We may be calling you in 2022, asking if you can support a request for a Student Chapter in your area, or a Student Chapter that needs support from a group in AICHE that you have been an important part of.

Furthermore, we are looking to improve our relationship with ALL Student Chapters. Currently, fellows have a personal relationship with about 30 student chapters. This is a small fraction of the total Student Chapters, US based and international. Some of the student chapters are in areas where there is no local section, or few meetings of AICHE entities. Therefore, they may feel as though they are an "island" away from the AICHE Family. Where we can, we would like to identify a fellow that can establish a personal relationship with these chapters, so that they feel they have a connection with the greater AICHE Society. Also, it is a way for us to understand what is important and impactful for remote Student Chapters. Can you think a Student Chapter you would like to share some of your time with?

As 2022 unfolds, we will discuss our progress on these goals at Fellows Breakfast, Fellows Gatherings, and in the Newsletter. I'm looking forward to 2022 being the most impactful year ever for Fellows!!

When was the last time you visited the AICHE Fellows site on the AICHE Web site?

Please click on the following link to access the below site:

[AICHE Fellow Site](#)

A screenshot of the AICHE Fellows website. The header shows the AICHE logo and 'The Global Home of Chemical Engineers'. Below the header, there are navigation links for 'Community' and 'AICHE Fellows'. The main content area features a large word cloud with the word 'Fellows' as the central focus. Other words in the cloud include 'AICHE', 'members', 'term', 'appointed', 'Bylaws', 'meeting', 'serve', 'Institute', 'engineering', 'vote', 'majority', 'Officers', 'collective', 'member', 'positions', 'business', 'Annual Meeting', '25years', 'excellence', 'Mentors', 'represented', 'approved', 'submitted', 'long-term', 'decided', 'provide', 'chemical', 'Past', 'Fellow', 'professional', 'staff', 'Appointments', 'Committee', 'Conduct', 'actions', 'meetings', 'accomplishment', 'staff', 'majority', 'vote', 'collective', 'member', 'positions', 'business', 'Annual Meeting', '25years', 'excellence', 'Mentors', 'represented', 'approved', 'submitted', 'long-term', 'decided', 'provide', 'chemical', 'Past', 'Fellow', 'professional', 'staff', 'Appointments', 'Committee', 'Conduct'. Below the word cloud, there are social media sharing options for LinkedIn, Facebook, Twitter, and others. A short paragraph explains that a Fellow is AICHE's highest grade of membership and is achieved only through election by the AICHE BOD, generally upon recommendation of the AICHE Admissions Committee. It also mentions that Fellows are an important resource for AICHE in providing experience-based guidance to leadership and members, as well as contributing to the activities of many AICHE entities.



## 2022 Board of Directors

**Christine Grant, President**—Christine Grant is a professor of Chemical and Biomolecular Engineering and the Inaugural Associate Dean of Faculty Advancement in the College of Engineering at North Carolina State University.

**Billy B. Bardin, President-Elect** —Billy B. Bardin, PE, is the Global Digitalization Director for Dow. He joined Union Carbide/Dow in 2000 and has held global leadership roles in research, development, and manufacturing.

**Deborah L. Grubbe, Past President**—A registered PE, she is a former Chair of the Law Enforcement and Ethics Committee of the Delaware Board, has consulted with NASA on safety culture after the Columbia Shuttle Accident, and has lectured extensively to students and professionals on safety and ethics.

**MaryKathryn Lee, Secretary**—MaryKathryn (Kathy) Lee has been a researcher at ExxonMobil Corporate Strategic Research for 30 years. She has been an active AIChE member for more than 10 years and was recently elected Fellow.

**Wendy Young, Treasurer**—Wendy Young is the Sales & Marketing Manager for Chemstations, Inc. providing process simulation software solutions through the CHEMCAD suite of products.

**James R. Beilstein, Director**—Jim Beilstein is Vice President of Advanced Manufacturing at Owens Corning. In this role, he has responsibility for the technology of manufacturing operations, process innovation, capital engineering, and equipment purchasing.

**Linda J. Broadbelt, Director**—Linda Broadbelt is Sarah Rebecca Roland Professor in the Department of Chemical and Biological Engineering (ChBE) and Associate Dean for Research of Engineering at Northwestern University. She was Chair of the Department of ChBE from 2009-2017.

**Donna Bryant, Director**—Youth hasn't stunted Bryant's career trajectory. As the youngest superintendent Syngenta's St. Gabriel Plant has ever had, she leads a 26-person unit that treats the wastewater streams for the entire plant and removes the remaining waste from the site.

**Paulette Clancy, Director**—Paulette Clancy is a professor and the inaugural Head of the Dept. of Chemical and Biomolecular Engineering at Johns Hopkins Univ. She also serves as the Samuel and Diane Bodman Professor Emerita of Chemical Engineering at Cornell Univ. and as Chair of the faculty oversight team for Advanced Research Computing at Johns Hopkins' High-Performance Computing facility.

**Brian Davison, Director**—Brian Davison is Chief Scientist for Biotechnology at Oak Ridge National Laboratory (ORNL). He is also the Chief Science Officer of the U.S. Dept. of Energy's (DOE's) new Center for Bioenergy Innovation, and the previous BioEnergy Science Center.

**Julianne Holloway, Director**—Julianne L. Holloway is currently an Assistant Professor in Chemical Engineering at Arizona State University, where she began in 2016. Julianne received her Ph.D. in Chemical Engineering at Drexel University in 2012.

**Ann Lee, Director**—Ann Lee is currently the Chief Technical Officer at Prime Medicine, Inc. She was previously SVP and Head of Cell Therapy Development and Operations (CTDO) SVP and Head of Cell Therapy Development and Operations (CTDO) at Bristol Myers Squibb from 2019 to July 2021.

**Peter Lodal, Director**—Peter Lodal is a retired Technical Fellow of Eastman Chemical Company, having spent nearly 42 years with Eastman in various positions including process engineering, process safety and loss prevention.

**Anne O'Neal, Director**—Anne O'Neal is Manager of Process Safety Culture and Competency at Chevron, and an AIChE Fellow. Her 40-year career includes senior positions in process safety, as well as health, environment and safety.

**William Raiford, Director**—Bill is Senior Director Technology - Titanium Technologies for The Chemours Company in Wilmington, DE. He is accountable for the R&D, product development and manufacturing technology organizations of the global titanium dioxide pigment business.

**Elsa Reichmanis, Director**—Elsa Reichmanis is Professor and Carl Robert Anderson Chair in Chemical Engineering in the Department of Chemical and Biomolecular Engineering of Lehigh University.

## 2022 AIChE President's Letter: Advancing AIChE — What Is Our "Next"



Happy New Year! As we enter 2022, I would like to pose a question: What happens when dedicated individuals come together to empower one another collectively toward excellence in chemical engineering?

Answer: They create a thriving, economically viable ecosystem that promotes multidisciplinary interactions, identifies global solutions to engineering's grand challenges, and educates the next generation of engineering leaders while "doing a world of good." I am excited that AIChE continues to thrive and exceed expectations — ensuring that our constituents' needs in industry, academia, and government are met with relevant initiatives.

### **And then there is the pandemic.**

The world-changing events of the pandemic have resulted in a series of paradigm shifts in decision-making, short- and long-term planning, and economic forecasting for individuals and organizations alike. As of this writing, COVID-19 variants are looming, and we face many unknowns in 2022 and beyond. Many of us have changed our working configurations; most of us have experienced job-related disruptions, working full- or part-time from home. Some have even bravely pursued entrepreneurial ventures.

As an organization, AIChE continues to address these shifts, paying close attention to the projected changes that will impact us all. It is vitally important that we leverage our Center for Chemical Process Safety (CCPS), the RAPID Manufacturing Institute, and our other innovative entities. As we foster adaptation to new systems of learning that link industry and academia, AIChE continues to develop mechanisms to provide training, certification, and new opportunities for our constituents in the global workforce.

While we cannot predict the long-term financial, supply chain, and education impacts on our endeavors, we must work together. At this stage, I

believe that the critical elements facing our profession are related to how we emerge from the pandemic — as a profession, as organizations, and as individuals in the global community. We have the chance to determine what our response will be to the changing needs of our profession in the realms of biotechnology, sustainability, manufacturing, and education.

### **The good news.**

AIChE has a robust strategic plan that touches all segments of the Institute. The key to strategic planning in uncertain times is to be clear about our values and goals while figuring out what has changed, what has not changed, and what is still uncertain. While the pandemic has been disruptive, we are well-positioned as an organization to move into our "next." Our approach includes a reevaluation of the strategic plan, a determination of our common values and interests, and consideration of the suitability of the current components. This will provide a framework for our "next."

In economic terms, AIChE's revenue in 2021 exceeded 2020's actual revenue, and the 2021 total change in net assets significantly exceeded expectations.

On another front, we continue to celebrate AIChE's adoption of the new IDEAL (Inclusion, Diversity, Equity, Anti-racism and Learning) path (IDEAL). As IDEAL permeates the organization, we are seeing our entities and members actively pursue a culture of change.

Also, AIChE's Institute for Learning and Innovation (ILI) is developing innovative programs that enable learners of all ages (and career stages) to keep pace with the profession's evolving skill requirements — from college to the workplace. We invite you to engage with ILI and find the entry point to empower your own learning and career growth.

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*"AIChE's dedicated and resourceful staff work diligently to execute conferences, generate scholarly publications, and provide professional development opportunities for students and AIChE professionals."*

*Christine S. Grant, 2022 AIChE President*

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## Celebrating success: Appreciating our members, staff, and key partners.

AIChE's dedicated and resourceful staff work diligently to execute conferences, generate scholarly publications, and provide professional development opportunities for students and AIChE professionals. The Institute's recent series of virtual conferences required the AIChE team to pivot to delivering program content online, reconfigure the registration structure, and redefine program elements. The virtual meeting venues enabled many conference attendees to participate for the first time — in particular, our global student and professional members who may have been constrained in the past by travel limitations.

However, there is "no place like home," and in November our 2021 Annual Meeting convened in person in Boston, MA, with an online continuation of the meeting a week later. AIChE is also contributing to society through the individual and corporate supporters of the AIChE Foundation. In December, we were able to gather in person again at the 2021 AIChE Gala. At this amazing event, more than 200 participants gathered in New York City to celebrate the groundbreaking leadership that launched the Future of STEM Scholars Initiative (FOSSI) — which provides four-year scholarships to students attending Historically Black Colleges and Universities (HBCUs). The associated programs in mentoring, internships, and career development are further evidence that we are "doing a world of good."

Also, as we enter a new year, AIChE has begun a search for a new Executive Director and Chief Executive Officer to succeed June C. Wispelwey, who is retiring in spring 2022. Speaking for all of us, I want to express our profound thanks to June for her extensive service, innovative leadership, and dedication to growing our thriving organization. Our search committee is working to ensure a strong cadre of candidates and planning for a smooth and effective transition.

### Our collective "next."

Your engagement with AIChE drives our organizational growth. Through AIChE, we have an incredible opportunity to connect with each other, outside of our immediate circles. Those who are outside your "comfort zone" may serve as beneficial connections as you pursue new areas of technology and even new job opportunities.

How can you interface with people and organizations who may become part of your professional life for the long term? Student members who become member professionals have an opportunity to participate in AIChE's Young Professionals Community, interface with local sections, and glean knowledge via the vast array of conferences, seminars, and workshops delivered annually. For established professionals, we invite you to renew your membership and engagement in the organization whose purpose is to help you to achieve your "next!"

Christine S. Grant

2022 AIChE President

There are many resources available to us as members.

Below are links to but a few:

[About AIChE](#)

[AIChE Communities](#) — Including access to Technical Groups and Technical Entities.

[AIChE Academy](#) — is the Definitive Resource for Engineering Education.

[AIChE Events](#) — Links and information on all Conferences & Events

[AIChE Publications](#) — Links to various Publications

[AIChE Institute for Learning and Innovation](#) — An Engineer's Career is No Longer a Straight Path.

[AIChE Engage](#) — AIChE Engage connects AIChE members with each other and their chemical engineering communities

[AIChE Foundation](#) — We are the philanthropic arm of AIChE, where chemical engineers give back.

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## Fellows-Student Chapter Task Force Update & Input Request

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*“One of our aspirations is to connect  
Fellows with every AIChE Student Chapter”*

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The Fellows-Student Chapter Task Force is actively pursuing its mission of building relationships and actions that make Fellows an active and helpful resource to students of Chemical Engineering and Student Chapters of the AIChE. The task force meets monthly and has developed a set of strategies that move us toward that goal.

One of our aspirations is to connect Fellows with every AIChE Student Chapter, offering an experienced voice and advisor to students in a way that fits both the student chapter needs and the interests of the Fellows. This could include career/technical advice, seminars, introduction of students to networks of experienced engineers or even discussions with students about challenging student projects. These relationships will form a foundation for a number of other strategies that the task force is developing.

We want to hear from you! **Please drop us a note at** [aichefellowswithstudents@gmail.com](mailto:aichefellowswithstudents@gmail.com)

- If you are a Fellow with an existing relationship with chemical engineering students, let us know so we can include you in our early pilot and benefit from your experience. Tell us the student chapter / school you are (or have been) connected with, along with a description of what activities/roles you have been involved with. We are interested in all of the connections and activities you have been involved with, regardless of frequency or scale.
- If you haven't yet engaged with students and you're interested in joining us, let us know via the link above! And if there is a school that you have a particular interest in, let us know that as well. Your interest could be the result of past affiliation, geographic location, or just the knowledge that you have something to offer.

Thanks so much for your help! We will keep you up to date with our progress in each issue of the Fellows Newsletter.

Fernando J. Aguirre, Harold Conner, Jr.  
Annette Johnston, Stephen Martin  
Robert Ofoli, Greg Yeo, Chair  
Gina Gatto, AIChE Staff

Save and [download](#) the new AIChE Fellow ribbon and add it to your email signature to show your pride in belonging to AIChE!



**AIChE FELLOW**



## Notes from Virtual Fellows Council Meetings October 12, 2021, November 17, 2021, and December 13, 2021

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 virtual meetings are held most months. Summaries of the meetings are below; full notes are posted on the Fellows website blog. Fellows are encouraged to contact any of the FC leaders directly or by sending an email to [fellowscouncil@aiche.org](mailto:fellowscouncil@aiche.org) about issues that should be considered.

A FC zoom meeting was held on **October 12, 2021**. The following items were discussed:

- Moment of silence for departed FC colleague Jo Rogers – Robert
- Student Chapter Task Force Review – ACE4G – Greg Yeo
  - ◆ Greg reviewed the document to which he sent a link via email – Greg noted how quickly he started to get replies!
  - ◆ Requested comments be sent either via Box or to him
- FC election results – Robert
  - ◆ Awaiting CEOC approval – results to be announced at 10/25/21 meeting
  - ◆ FC members approved unanimously
  - ◆ Est. 12-15 voted
- FC report to CEOC – John
  - ◆ Most everything is completed
  - ◆ Just need to add 2022 goals – awaiting for Annette to provide
  - ◆ May need to send incomplete to make deadline
- Monica has resigned from AIChE – going to be a “stay at home mom”
- Fellow nomination video
  - ◆ [Link posted on Fellows website](#)
  - ◆ Monthly Engage email promoted it.
  - ◆ AdCom members can write supporting letter and join in discussion – but cannot vote
- Membership on EDI Task Force
  - ◆ Lori is our “official” liaison to EDI (Equity, Diversity and Inclusion)

A FC and Gathering zoom meeting was held on **November 17, 2021**. This was part of the Boston Virtual Annual Meeting

- 46 Fellows attended the Gathering
- 15 FC Members attended the FC meeting
- Consider inviting AIChE Past Presidents to serve on the FC
- The below report was given:

The slide is titled "ILI Internships — Data Analytics" and features the AIChE logo and the text "The Global Home of Chemical Engineers". It also includes the "AIChE PR/ACTICE+" logo. The slide content includes:

- Staff:**
  - Designed program
  - Completed pilot program for Data Analytics
    - 9 interns at DOW and EMD
- Plan for 2022:**
  - Expand Data Analytics Internship to 100–150 Interns
  - Integrate with FOSSI for 2023
  - Integrate with Sustainable Energy Corps

At the bottom, it asks: "Ask: Which companies would like to learn about the program?" and includes the footer "LEARN • CONNECT • LEAD".

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## Notes from Virtual Fellows Council Meetings October 12, 2021, November 17, 2021, and December 13, 2021 (Cont'd)

A FC zoom meeting was held on **December 13, 2021**. The following items were discussed:

- Opening remarks and announcements – Robert
  - ◆ Thanks to everyone.
  - ◆ Those whose term is ending
  - ◆ John – staying on as non-voting member
  - ◆ Zenaida Gephardt
  - ◆ Ahmed Khogeer – First and only international member
  - ◆ David Dixon – Liaison CEOC
  - ◆ Gina Gato – Staff (no fixed term)
- Recognition of 2022 FC Chair (Annette Johnston)
  - ◆ Looking forward to working with the FC. Goals moving forward regarding diversification will continue.
  - ◆ ACE4G – will have decision by February on how to move forward – collaboration with Alliance for Elimination for of Plastic Waste?
  - ◆ Student Chapter Task Force will continue.
- Recognition of 2022 FC Vice-Chair (Lori McDowell)
  - ◆ Honored to serve and to work with the council
- Recognition of 2022-? FC Secretary (Anthony Fregosi)
  - ◆ Big shoes to fill – will use John as a reference as needed.
- Recognition of 2022-2024 FC Members (Linda Bergeron, Dorothy Buckoski, Laura Dietsche, and Diane Spencer)
  - ◆ Linda Bergeron – Thank you for selection to the FC. Will be retiring after 35yrs. in industry
  - ◆ Laura Dietsche – plenty of opportunities to volunteer
  - ◆ Diane Spencer – looking forward working with the FC
  - ◆ Dorothy Buckoski – did not accept being on the FC, but would like to attend at least the January meeting to learn what the FC is about.
- Continuous diversification of Fellows membership – Annette, Robert
  - ◆ The FC is working to support and push for nomination of women and international members for Fellow.
- Staff updates – Gina
  - ◆ Camile Belcure – passed away in early Nov. Due to natural causes (non-COVID)
  - ◆ Attempting to have June's replacement by the Spring Meeting so June can mentor the new appointment.