Fellows Breakfast—The next breakfast will be at the 2023 Fall (Annual) Meeting — Orlando, FL.
Tuesday, November 7th—(6:45 AM—7:45 AM)
Coffee available at 6:30 AM

From the Fellows Council

This year our goal is to publish the following newsletters. “1st Quarter”, “2nd Quarter”, “3rd Quarter” and “4th Quarter”. Your comments are solicited as to content you would like to see, or if you would like to provide content. Our Vision is to involve you in furthering the mission of AIChE by promoting an active Fellowship!

Click the "In this Issue" links on the right to jump to features on the following pages.

2023 Fellows Council Executive Committee:
Lori McDowell, Chair; Timothy Anderson, Chair-Elect;
Anthony Fregosi, Secretary; Annette Johnston, Immediate Past Chair;
John O’Connell, Past Secretary; Gina Gatto, AIChE Staff Liaison
Fellows Council Activities

The AIChE Fellows Council oversees the organized activities of the Fellows. The Fellows Council meets at a minimum of 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 are scheduled on the 4th Tuesday of the other months as needed.

Fellows interested in being considered for Fellows Council service should contact us.

Hello fellow Fellows!

I hope you have all had a great summer. Me, I am ready for some cooler weather and some rain. We have had about 3 months of 100+ F weather in Houston, so we are ready for Fall.

Before I get started, I want to ask again—please give us your FEEDBACK, especially in areas we ask for input. If we don’t get information from you, we can’t give you what you want or need—so tell us your thoughts and wants, what you like and don’t like!

AIChE Elections are currently underway, you should have received your ballot in the last week or so. Please vote. There are some great candidates and they take a lot of time to run for the Board, so please take the time to read their statements and vote. If you do, you will notice that I am running for treasurer, but I am not asking you to vote for me—just to vote—all the candidates would do a fantastic job!

Last issue I wrote about Fellow Engagement. That is still an area we want to work on. It took a lot of volunteer and community service work to become a Fellow, but we don’t want that to stop. So we are looking for more ways for Fellows to be engaged and better ways to track this engagement. Look for the Fellows Survey in October and please take the time to fill it out. This will help us plan activities for next year and beyond.

Annual meeting in Orlando is almost here. Registration is open, and if you plan to attend, don’t miss the Fellow’s Breakfast. We will be moving it back to Tuesday this year because that gives us more time for networking and break-out sessions. Come and meet the new Fellows, hear from AIChE Leadership, have a delicious breakfast, do some great networking, and get a chance to express your opinion during our breakout sessions. This year we have invited the YP Leadership to join us at our breakfast, so we can meet them and they can learn more about what it means to be a Fellow.

And for those who can’t attend Annual, we will be having a Virtual Fellow’s meeting a few weeks later. The date and time will be sent out prior to the meeting, but join us there so you won’t miss anything!

As you may or may not know, having a meeting in Florida is somewhat controversial this year, because many AIChE members feel the Florida Politics are detrimental to their safety.

(Cont’d on Page 3)
We are nearing the beginning of the election for AIChE’s Board of Directors. Paper ballots were mailed on Monday, August 21st. This year, we will be voting on candidates for the President-Elect, Treasurer and four Directors. In order to be eligible to vote, you must have paid your dues for 2023. Online voting will be open Monday, September 11th at aiche.SocietyElection.com. The deadline to receive your vote is October 16th by 11:59 p.m. EDT.

Profiles of the candidates for this year’s election are available on this page. Here you will find the candidates’ bios and platform statements that outline their view for AIChE.

Voting is simple with our "one click" link. No need to look up your member name and ID – it will automatically be filled in for you! Just click on the link and vote. It’s that easy!

If you have any questions regarding your member information, please contact AIChE Customer Service at 800.242.4363 (U.S.), 1.203.702.7660 (outside U.S.), or via email. If you have any questions regarding the election or voting process, please email election@aiche.org.

*Electronic Proxy Ballot under New York law, a member can 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 or her stead. Voting by proxy will authorize President Bardin and Secretary Lee to vote on your behalf for the indicated candidates.

Chair of the Fellows Council—Cont’d from Page 2

If you meet someone in the LGBTQ+ Community, MAC or other marginalized groups, please offer your support, let’s stand up to politics that don’t offer all people safety and security, and basic human decency. Allyship is so important, so make it known that we support all AIChE members! There will be a featured IDEAL Panel held Monday at Annual from 3:30-5:00 pm, so join us there if you can. The IDEAL reception will follow.

Last issue I also talked about the “Save the Book Campaign” and donating the books to TENEF for a library in a rural village in Nigeria. After some additional discussion and logistics, we have decided to make this happen. So what we need from you, if you want to donate any books, is a list of the books you would like to donate, with title, author and edition/published date, along with current location (city/state). Until we set up a more “formal” system, just email your list to: me at lori.mcdowell@schooleymitchell.com or Anthony at affgator@aol.com.

And as I said earlier, if you have feedback, questions, comments or just want to chat, send me an email.

Until next time, stay engaged and have a great fall!

Lori

“How To”Nominate an AIChE member for Fellow Fellows Membership. We developed a "Video" about how to nominate potentially worthy members for Fellow, which can be found on the Fellows page of the AIChE website. We are recruiting Fellows to assist with nominations, and to work with entities in AIChE that have not historically nominated many Fellows in the past.

Moment of Silence

Give our departed colleagues a moment of silence.

<table>
<thead>
<tr>
<th>Fellow</th>
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<td>Daniel R. Miller</td>
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<td>Bluffton, SC</td>
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<td>David W. Bennett</td>
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<td>Masood Hassan</td>
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<td>Lahore, Pakistan</td>
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<td>Douglas P. Lamb</td>
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<td>Lake Forest, CA</td>
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<td>Jerry M. Power</td>
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<td>Shiao-Hung Chiang</td>
<td>12/14/2022</td>
<td>93</td>
<td>Pittsburgh, PA</td>
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<tr>
<td>Alfred E. Weschler</td>
<td>1/20/2033</td>
<td>88</td>
<td>Peabody, MA</td>
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<td>George V. Burnet</td>
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<td>Ames, IA</td>
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<td>John L. Woodward</td>
<td>?</td>
<td>85</td>
<td>San Antonio, TX</td>
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<tr>
<td>Kenneth Bell</td>
<td>4/17/2023</td>
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AIChE Foundation News

Legacy Giving: Make Today’s Gift for Tomorrow’s Generations

The **AIChE Legacy Society** was established to honor all those who have taken the special step of including AIChE in their estate planning. The AIChE Legacy Society celebrates and promotes the tradition of generosity and personal commitment to furthering the goals of the profession. If you would like to learn more about ways to include AIChE in your plans, please contact Natalie Krauser at [natak@aiche.org](mailto:natak@aiche.org).

2023 AIChE® Annual Gala

**Date:** Thursday, December 7  
**Location:** The Pierre Hotel, New York City  
**Time:** Cocktail Reception 6:30 PM  |  Dinner and Program 7:15 PM  |  Black Tie Optional

To reserve your seat and for additional information, please visit [aiche.org/gala](http://aiche.org/gala)
2023 Board of Directors

Billy B. Bardin, President — 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.

Alan E. Nelson, President-Elect — Alan Nelson is the Senior Vice President (SVP) for Redwood Materials where he is responsible for leading the sustainable development of cathode active materials (CAM) for lithium-ion batteries.

Christine Grant, Past 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.

Mary Kathryn Lee, Secretary — Mary Kathryn (Kathy) Lee (retired) had 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.

Pete Lodal, Treasurer — 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.

Norma A. Alcantar, Director — Dr. Norma A. Alcantar is Professor and Associate Dean for Research in the Dept. of Chemical, Biological, and Materials Engineering at the Univ. of South Florida. She is a global pioneer in developing innovative, natural technologies for environmental, medical, and industrial applications, including improving access to clean drinking water, oil spill cleanup, and cancer tumor cell treatments.

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.

David Dixon, Director — David Dixon joined AIChE as a student and recently became an AIChE Fellow. He served for four years in the military, primarily overseas, and worked for Dow Corning in process development before earning his PhD in chemical engineering from UT Austin. He then began his academic career at South Dakota School of Mines and Technology.

Donna (Bryant) Dybeck, Director — Donna (Bryant) Dybeck is a Technology Transfer Process Engineer for Pfizer, focusing on biologic products. Prior to joining Pfizer she worked at Johnson Matthey-Pharmaceuticals and Syngenta in various Engineering and Production roles.

Lola Eniola-Adefeso, Director — Omolola (Lola) Eniola-Adefeso is the Associate Dean for Graduate and Professional Education in Engineering and the University Diversity and Social Transformation Professor of Chemical Engineering at the Univ. of Michigan. She received her BS in chemical engineering from the Univ. of Maryland, Baltimore County, and a PhD from the Univ. of Pennsylvania.

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.

Hugh James, Director — Hugh James is the Chief Executive Officer at Project Commercialization Group (PCG), Inc. He has worked in industries including engineering and construction, gas, fertilizers, chemicals, power, pipelines, mining, and venture capital — with experiences ranging from small to Fortune 100 organizations. His work has involved living in North America, Latin America, Europe, Africa, and Australia.

Laura Matz, Director — Laura Matz is the Chief Science and Technology Officer for Merck, KGaA, Darmstadt, Germany, driving innovation and digitalization across the company’s life sciences, healthcare, and electronics sectors. Serving as an executive vice-president, she is responsible for the corporate innovation teams including the digital office and new digital business models.

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.

Daryl Roberts, Director — Daryl Roberts is Chief Operations and Engineering Officer at DuPont. He has 32 years of experience in chemical engineering in a number of leadership positions with companies including Arkema, Inc. and Eastman Kodak. He serves several industry organizations including AIChE, the American Chemistry Council, and the National Action Committee for Minorities in Engineering.
Notes from Fellows Council Meetings 2023
May, June and July

Note these are “excerpts” from the Fellows Council meeting minutes.

A FC virtual meeting was held on **May 22, 2023**. The following items were discussed:

**Annual Meeting Update**
- Fellows Breakfast
- Considering holding on Monday

**Fellows Newsletter**
- Did you get your 2023 Q1 Newsletter? – If not, please let Anthony and Gina know. —Any comments, suggestions?

**Plans for 2023**

**Student Programs**
- How many Fellows participated at Student Regionals?
- How many students used the design problem?
- Invite Emily (SCC) and Nataly (Foundation) for future meeting

**Speakers Corner** — Fernando will follow up with SCC

**Fellow Engagement**
- Work is underway setting up a way to measure demographics of Fellow diversity
- SHI Task Force Report, SHI Staff/FC SHI Task Force Mtg. in set for late June
- Forwarded Randy Freeman's question regarding collecting member books to Gayle Gibson, who is leader of the AIChE-SHI task force, so that she can include this for consideration.
- Build strong community ties through education in small-underserved areas (Nigeria, etc.).
- Send the textbooks?
  
  Oral history may be of special interest – training will be provided as to how to do this.

**Fellows Survey**—Send it out 6 weeks before annual to have results for annual.
- Demographics, Engagement, What do you need?

The next "In-Person" Fellows Council Meeting will be at the Annual Meeting in Orlando, FL.
- Plan a virtual follow up for after the "in-person"

**New Business**
- Updated Fellow's Website
- Updated access to newsletters
  
  "Advertise" the updated

(Continued on Page 10)
This “Call for Fellow Volunteers” is an evolving list of activities that are available for you to participate as a Fellow. Many of these activities are Student/Student Chapter related.

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

1. If you are interested in supporting students or student chapters, contact Fernando Aguirre at FellowswithStudents@aiche.org
2. Support any one of the (9) Regional SC Events.
3. Participate, if needed, at the Annual Student Conference held at the AIChE Annual Meeting.
4. Support the Student Design Problem next year.
5. Volunteer to lead the Societal Problem development activity with the support of an "Industrial Partner".
6. Be a Student/Fellow Mentor.
7. Be a mentor to a Student Chapter near you or Virtually if you have knowledge a Student Chapter is seeking, but is not near you.
8. Evaluate submissions for the FOSSI applications.
10. Offer to join the Fellows Council!

Do you have a topic ready that you could present?

The Student Chapters Committee has confirmed their interest in having a list of presentations that they could request from Fellows. If Fellows reading this newsletter have topics ready to present, either in person or virtually, we would like to create a database that we can provide to Student Chapters. Other groups like local sections might have an interest as well.

We made a pitch for this idea in the 2023 Q1 Fellows newsletter but no one responded. We are asking again in case you missed it last time. If you have an interest contributing with this idea, please provide the information in the table below and send it to FellowswithStudents@aiche.org.

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<thead>
<tr>
<th>Name</th>
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<tr>
<td>email address</td>
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<tr>
<td>Topic(s)</td>
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<td>List all that you could present</td>
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<td>List the cities or area that you could present in</td>
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<td>Would you present remotely via Zoom or other</td>
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<td>Is it OK for groups (e.g., Student Chapters, Local</td>
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(Continued on Pg. 8)
“Call for Fellow Volunteers”
(Cont’d from Page 7)

**Fellow Support of Regional Student Conferences**

The dates for the 2024 Student Regional Conferences will be found at: Student Conferences as they become available. Fernando Aguirre will work to match volunteer Fellows with Chapters needing help with Regional Conferences.

**Fellow Support of Student Chapters**

You may have read about the Fellows efforts in supporting Student Chapters in past newsletters. Anyone interested is asked to drop us a note at FellowswithStudents@aiche.org.

Over the past year, we have learned of Fellows currently interacting with 37 Student Chapters out of 174, mostly in the United States. If you are one of those Fellows supporting a Student Chapter, we would like to hear your experience so that we can share it with other Fellows, as this can provide ideas and expand the support we provide to Student Chapters in the US and beyond. Please use the email address provided above to share your experience.

**Fellows Mentored AIChE Design Problem in 2023**

The Fellows worked with the Alliance to End Plastic Waste (AEPW) to develop the AIChE 2022-2023 Design Problem. Many thanks to Greg Yeo, who made all the connections, and worked on collecting the data and refining the problem. This problem addresses one of the most important problems in Chemical Engineering and the World: How to remove plastic waste from the environment. This year, the Fellows have offered to provide a little extra support for teams that may have lesser resources.

The design problem was a Pyoil design, using waste plastic as a feedstock. Also, details about an actual recycling center in Bali (an example of a feedstock provider) are also included in the problem. Students that submitted a Pyoil design could also submit a recycling center optimization. There were prizes for both the design and the recycle center optimization. Money for prizes was provided by AEPW, and AEPW provided mentors for the forum site, where students were able to ask questions about the problem.

In addition to mentors from AEPW, several Fellows had also volunteered to answer questions. Student asked their questions in a TEAMS site, where all competitors were able to track conversations about the questions. The volunteers answering the questions clarified data, directed students to find the data, and suggested what Knovel books or articles may have been useful to reference in order to complete the design and the center optimization.

The addition of this forum there was an IDEAL activity. It provided a resource for universities that may have had lesser networks and resources than others. This year, all students wanting to compete for the Design Problem prize had access to industry and academic experts in Plastic Waste, and perhaps learned the great resources available to them as AIChE Student Members. The technical resources they found to solve the problem will continue to be useful to them as Young Professionals.

Hopefully the Fellows will be able to participate in the 2024 design problem. Please keep that in mind moving forward and look for announcements in future newsletters.

(Continued on Pg. 9)
“Call for Fellow Volunteers”
(Cont’d from Page 8)

Science History Institute

Learning From Our History

A small task force of AIChE Fellows has been working with the Science History Institute to outline a plan to help chemical engineers by increasing collaboration between the two organizations. The focus of the collaboration is:

*Chemical engineers creating the future by learning from the past*

Our history as Fellows, our history as chemical engineers, our experiences and learnings can be captured as stories. The challenges we faced, both technical and personal. How we worked with others to solve problems. The success and happiness that comes from bringing new products to market to solve customer needs.

Our profession of chemical engineering is not that old in terms of formal history, but we do see technical solutions to problems that human beings have been grappling with for thousands of years – including clean and abundant water, food to feed family and communities, combating disease, and different materials used for shelter and homes. We can see the presence of innovative problem solvers, or “engineers” in many aspects of our daily lives, from the smart phone to transportation vehicles and more.

The stories of the past are important to capture. As Fellows, we are established in our careers, and we learned from various stories and experiences of others. We must help the next generations of chemical engineers to also learn from the stories of the past. The pace of change and the challenges are large, and there are many transitions happening in energy, food, water, and medicine. With insights from our history, there is great hope future solutions will be found.

Our task force is interested in hearing from you on the important chemical engineering achievements the past 50 years and the people that made that happen. What stories of the past did you learn from, and what stories do you feel would help future generations?

Please contact any member of our task force to share your list of major chemical engineering achievements and stories about the people and circumstances that helped make those happen. The task force is:

Gayle Gibson email: gibeck@comcast.net
John O’Connell email: j poc2x@aol.com
Zenaida Gephardt email: gephardtzo@rowan.edu
Dale Keairns email: dlkeairns@att.net
Linda Bergeron email: lhb12470@gmail.com
Bill Celenza email: wce lenza@mail.com

You may go to the following link to view additional information about SHI.
A FC virtual meeting was held on June 26, 2023. The following items were discussed:

**Annual Meeting Update**  
- Fellows Activities – November 2023  
- Fellows Breakfast  
- Will have follow up virtual.

**Plans for 2023**

**Student Programs**
- How many Fellows participated at Student Regionals?  
- Latin America Regionals in the summer  
- How many students used the design problem?  
- Speakers Corner—Student Chapter Committee Interest?—Fernando communicated with the SCC Chair, who indicated this idea was worth pursuing

**Fellow Engagement**  
- Work is underway setting up a way to measure demographics of Fellow diversity, Would like to be provided with the new fellow document regarding their interests they provide to staff when they are approved by the board for Fellow membership grade  
- SHI Task Force Report—SHI Staff/FC SHI Task Force Mtg. in set for late June  
- Forwarded Randy Freeman’s question regarding collecting member book to Gayle Gibson, who is leader of the AIChE-SHI task force, so that she can include this for consideration.  
- Get “acquainted” meeting scheduled for 6/29/23  
- Laura Dietsche reached out to Emily Petruzzelli (CEP Editor-in-Chief) regarding opportunities for Fellows to contribute to CEP articles.  
  - Note 1: This is an opportunity for broader Fellow engagement, not necessarily as an additional activity for the Fellows Council.  
  - Note 2: Both John O’Connell and Laura Dietsche are on the CEP Editorial Advisory Board. The Board is currently developing ideas for the 2024 publishing year.  
- Editorial Board meeting coming up. Will ask if there is any interest regarding accepting articles from Fellows as to Fellows activities  
- In general, there are two types of CEP articles: feature articles (~3000 words) and short columns (~900 words).  
- Multiple authors can contribute to one feature article, but there needs to be an editing author that brings it cohesively together.  
- The October issue is dedicated to Professional Development articles, which is an area to which Fellows might have a lot to contribute. Early August is the submission deadline for this issue.

**Other Ideas:**  
- A short column providing an overview of the Fellows organization and/or the path to becoming a Fellow—Maybe adapt something from the Fellows Newsletter  
- Maybe “Lessons Learned” along a career path (e.g., as a young manager, the importance of doing a hazard analysis, etc.)  
- Consider translation of content in CEP into other languages.

**Fellows Survey**  
- One fellow has volunteered to help (Mary Ellen).  
- Former surveys are available.

The next “In-Person” Fellows Council Meeting will be at the Annual Meeting in Orlando, FL.

**New Business**
- Updated Fellow’s Website  
- Leadership page may not be updated  
- Need to update the FC Roster file  
- Seeking Comments for Updates to Website  
- Annette will be reaching out as to who would like to serve a second term and if you would like to “step up” to leadership role.

Continued on Page 11
A FC virtual meeting was held on **July 24, 2023**. The following items were discussed:

**Annual Meeting Update**
- Registration has opened.
- Fellows Activities
  - Fellows Breakfast – Will be on Tuesday on 11/7, will include Fellow networking activity

**Fellows Newsletter**
- 2023 Q2 Newsletter is posted on the Fellows Webpage.
- 2023 Q2 email to Fellows has gone out.
  - Did you get the email - If not, please let Anthony and Gina know.
  - Any comments, suggestions

**Plans for 2023**

**Student Programs**
- How many Fellows participated at Student Regionals?—Gina/Fernando will work to develop. Fernando can report only those who expressed interest – this is on Box
- How many students used the design problem?—Numbers have been developed (23 Teams, 3 Individuals)
  - Workshop in December regarding plastics "circularity".
  - Students who participated in recent design problem invited to give a presentation—Submit an article to CEP—Content under development.

**Speakers Corner**
- No further action at present – but an article will be put in the newsletter regarding Speakers

**Fellow Engagement**
- Work is underway setting up a way to measure demographics of Fellow diversity—Just instituted process to require "self-reporting of demographics".
- SHI Task Force Report
  - Data from new Fellows regarding their interests

**Fellows Survey**
- Lori meeting with staff following this FC meeting regarding survey development.
  - Multiple methods to distribute survey.

**The next “In-Person” Fellows Council Meeting will be at the Annual Meeting in Orlando, FL.**
- Right after Breakfast on Tuesday (11/7).

**New Business**
- Harold Conner—Suggested we work on inviting a determined number of YPs (3 – 5) to the Spring Meeting Fellow’s Breakfast—A process will need to be developed as to how to do this.
- AIChe Foundation Presentation - Natalie Krauser (NK)
  - We can run a Fellows Endowment giving report though previous reports showed it was ~$17K.
  - The minimum is $50K so monies can be accessed until at least the minimum is met. Plus there are endowment guidelines (5% of earnings are available annually once minimums are met).
  - Fund raising is currently "paused" until the FC defines their goals, use case, etc.
  - NK would be happy to reach out to Annette if there has been any "movement" on goals development.
- John O’Connell—suggested we have a “formal” agenda item to discuss this issue. (August).
  - A spreadsheet was provided to John O’Connell to start working on regarding Fellow Engagement Interest
  - Seeking a volunteer to continue this work – Jessica Winter/Diane Spencer have expressed interest.