

**SEPARATIONS DIVISION**  
**American Institute of Chemical Engineers**  
**2024**

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**CTOC LIAISON**

Narayan Ramesh  
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**MINUTES**

Separations Division Annual Planning Meeting

Sunday, October 27, 2024, 1:00pm – 5pm (PDT)

Gaslamp 1, Level 4, Omni San Diego Hotel

**Attendance (in-person or remote):**

Isaac Gamwo	Marina Tsianou	Haiqing Lin
Atanas Serbezov	Tarun Poddar	Seth Huggins
Dan Summers	Stefano Brandani	Tony Cai
Caryn Heldt	Heather Chenette	CJ Kurth
Daniel Siderius	Stephen Ritchie	Stephen Thiel
Izak Nieuwoudt	Jenifer Gomez Pastora	Christopher Burcham
Jeffrey McCutcheon	Gerard Capellades	Greg Cantley
William Phillip	Cristiana Boi	Chen Zhang
De-Wei Yin	Bryan Boudouris	Kaiwen Hsiao
Rajasi Shukre		

**Approval of Minutes from May 17, 2024 (Atanas Serbezov)**

The minutes were distributed by email. Two amendments to the minutes had been received. A motion to approve the minutes as distributed by email and including the two amendments passed by acclamation.

**Division Leadership and Succession (Seth Huggins/Isaac Gamwo)**

See slides in the Appendix for details.

The elections for new officers will be held online after the Annual meeting.

**Bylaws Revision Update (Dan Summers; Bryan Boudouris, De-Wei Yin)**

See slides in the Appendix for details.

Currently the revision process is in “CTOC Review” stage.

Discussion was held on the “start of term” date for the area chairs. Based on current practice, there is an overlap period for the outgoing and incoming area chairs between the end of the Annual meeting and the end of the calendar year. A suggestion was made to set the official start of term date to January 1 with a statement that there will be a transition period between the end of the Annual meeting and the end of the calendar year where the outgoing chair coordinates the transition with the incoming chair.

Once the review process is complete, the new bylaws can kick in at any point in the calendar year.

***Separations Division Membership Data Update (Isaac Gamwo/Atanas Serbezov)***

See slides in the Appendix for details.

***Financial Update (Tarun Poddar)***

See slides in the Appendix for details.

The financial health and outlook for the Division are very good. The current balance is around \$85,000.

Action Item: Before the end of the calendar year the Executive Committee of the Division must decide on the Division funds allocation for 2025.

***Awards (CJ Kurth/Dan Summers/Jeff McCutcheon/Heather Chenette)***

See slides in the Appendix for details.

More nominations are desired for the Graduate Student Research Awards (GSRAs), the Kunesh Award, and the Founders Award. Allowing self-nomination for some awards may increase the number of submitted nominations.

Motion: Allow for self-nominations for the Kunesh Award.

Motion carried.

Motion: Allow for self-nominations for the GSRAs.

Motion carried.

Motion: Change the nomination requirements for the GSRA Award per the description in the Appendix.

Motion carried.

Motion: Remove the travel allowance from the Gerhold Award description.

Motion carried.

There was a suggestion to review and potentially revise the age requirement of the Kunesh award.

Changes in the wording of the award must be vetted by FRI, the sponsor for the award.

Action Item: Caryn Heldt will present a new age requirement proposal for the Kunesh award at the first planning meeting in 2025.

Proposed changes in the Education and Outreach Award were discussed. There was a suggestion to use the name “grant” instead of “award”. Proposed changes were viewed favorably but more detail needs to be added about the administration of process. A suggestion was made to explicitly emphasize the public availability of the deliverables.

Action Item: Jeff McCutcheon and Heather Chenette will present a revised proposal for discussion and vote at the next planning meeting in December 2024.

***Awards Dinner (Haiqing Lin)***

See slides in the Appendix for details.

The Division subsidy for the award dinner in San Diego will be approximately \$10 per ticket.

***Communications Survey (Heather Chenette)***

See slides in the Appendix for details.

Email is the most preferred communication method. Websites are the least preferred communication method. Most respondents would like to see content from SepDiv on a quarterly or monthly basis.

Action Item: Heather Chenette will start sending quarterly updates to SepDiv members via email using the AIChE Member Services email server.

***Area Reports (Area Chairs)***

See slides in the Appendix for details.

***Directors' Reports (Directors)***

See slides in the Appendix for details.

Toni Cai presented a proposal to initiate a collaboration between SepDiv, FRI, and EFCE Working Party in Fluid Separations. Feedback was very positive, and Tony was encouraged to start the collaboration.

***Succession Plan - Division Website (Stephen Theil)***

See slides in the Appendix for details.

Steve will stay in the current role for one more year.

***Succession Plan - Division Newsletter (Isaac Gamwo)***

Marina Tsianou is stepping down as newsletter editor at the end of the year. Need to identify a successor. Could be one of the newly elected Directors or a special appointment.

***Division Diversity/IDEAL(Caryn Heldt)***

See slides in the Appendix for details.

The SepDiv IDEAL Committee has provided feedback for the SepDiv award description revisions voted earlier in this meeting

The SepDiv IDEAL Committee proposed several ideas for networking events in 2025. Feedback was very positive but some of the events will require external financial sponsors.

Programming areas are encouraged to consider diversity in gender, ethnicity, experience, and thought, when session chairs, keynotes, abstracts, and other invited positions, are selected.

***Other Business - Division Participation at the Student Conference (Marina Tsianou)***

As an outreach effort, the Division should consider participation in the activities of the Student Conference. This will bring more visibility to the Division and potentially increase the membership.

**APPENDIX**

# Separations (SEP) Division Planning Meeting

**Isaac K. Gamwo, Ph.D., P.E., AIChE Fellow**

**2024 Sep. Division Chair**

**U.S. Department of Energy – National Energy Technology Laboratory**

**[gamwo@netl.doe.gov](mailto:gamwo@netl.doe.gov)**

**2024 AIChE Annual Meeting, San Diego**

**Sunday, October 27 – 1:00-5:00 pm**

**Gaslamp 1, Level 4, Omni San Diego Hotel**

# Separations Divisions 2024 Elections - Candidates

Position	Candidates
Secretary	Atanas Serbezov
Treasurer	Tarun Poddar
2nd Vice Chair	Christopher Burcham
Director	William Phillip
Director	Handan Tezel

## 2025 Area Chair Succession

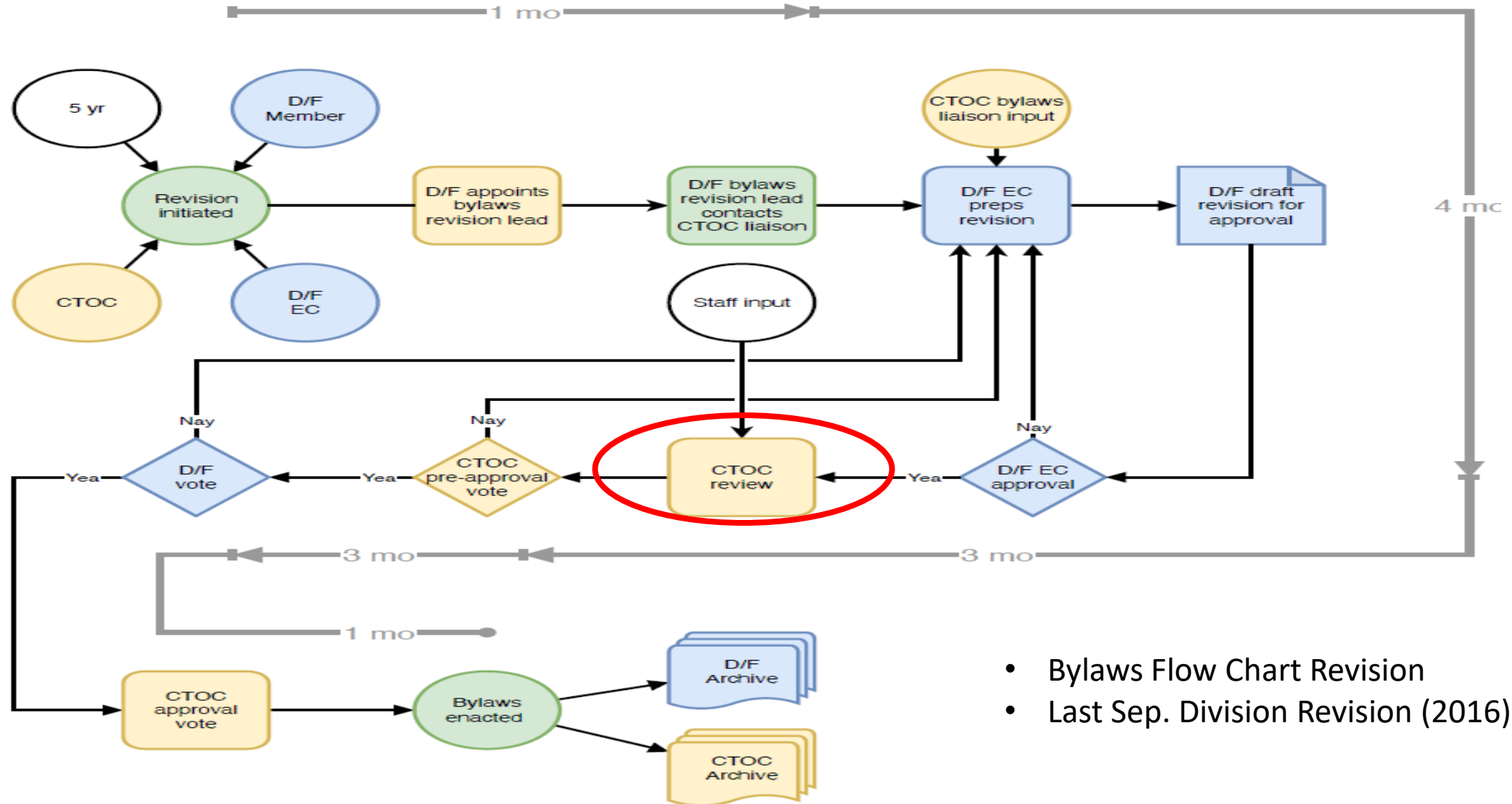
Area	2024 Chair	2024 Vice Chair	2025 Chair	2025 Vice Chair
2A Distillation & Absorption	<b>Greg Cantley**</b>	Izak Nieuwoudt	<b>Izak Nieuwoudt*</b>	Senthil Krishnamoorthy
2B Crystallization & Precipitation	<b>Christopher Burcham**</b>	Gerard Capellades	<b>Gerard Capellades*</b>	VACANT
2C Extractions	David Cantu	George S. Goff	David Cantu	George S. Goff
2D Membrane-Based Separations	<b>Christine E. Duval</b>	Chen Zhang	<b>Christine E. Duval*</b>	Chen Zhang
2E Adsorption & Ion Exchange	<b>Daniel Siderius</b>	Armin Ebner	<b>Daniel W. Siderius*</b>	Armin Ebner
2F Fluid-Particle Separations	Jenifer Gomez Pastora	Seyi Oduyungbo	<b>Jenifer Gomez Pastora*</b>	Seyi Oduyungbo
2G Bioseparations	<b>Heather Chenette</b>	<b>Cristiana Boi/Ketki Behere</b>	<b>Heather Chenette*</b>	VACANT
2H General Topics & Other Methods	<b>Stephen Ritchie</b>	TBD at Area Planning Meeting	Stephen Ritchie	VACANT

**\*\* Outgoing Chairs (2024) \* Outgoing chairs (2025)**

# Bylaws revision update

**Dan Summers** – Bylaws Sep. Division Lead

**Bryan Boudouris & De-Wei Yin** – CTOC - Bylaws



- Bylaws Flow Chart Revision
- Last Sep. Division Revision (2016)



## SEPARATIONS DIVISION

American Institute of Chemical Engineers

### BY-LAW BYLAWS

~~First Revision: November 7, 1993~~

~~Second Revision: Lead taken by Bal K. Kaul (Second Vice Chair—1998)~~

~~• Revisions formulated at August, 1998 Planning Meeting (Newark, N. J.)~~

~~• Revisions approved by Division Council (November, 1998)~~

~~• Membership Mailing (September, 1999)~~

~~• Amendments approved at the Separations Division General Body Meeting (Dallas, November, 1999)~~

~~Update: August 2002~~

~~• Director term changed from three years to five years, number of directors elected each year changed from three to two, total directors on council changed from nine to ten~~

~~Third Revision: Lead taken by Scott Husson (Chair—2016) and Alice He (Director—2016)~~

#### Article I – Name and Objectives

Section 1. The name of this organization shall be the Separations Division of the American Institute of Chemical Engineers (AIChE). The acronym

f. Recognize achievements of members through awards.

g. Encourage chemical engineering educators to place suitable emphasis on the field of separations and on the development of appropriate curricular material.

h. Foster research, development, and the application of chemical engineering knowledge to separations technologies.

h.i. Foster inclusion and diversity in the leadership, membership, and activities of the Division to promote and uphold AIChE's Equity, Diversity, and Inclusion (IDEAL) statement without marginalizing any particular group(s) of people.

Section 4. The Division is under the supervision and control of the Chemical Engineering

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## 2024 Separations Division Bylaws Update – 4<sup>th</sup> Revision

Dan Summers – Lead

Bryan Boudouris & De-Wei Yin – CTOC Contacts

### Major Adjustments

- “By-Laws” changed to Bylaws

- Added SEP as our acronym

- Added Diversity and Code of Ethics statements

- Clarified who are Voting Members of SEP

- Planning and Program Committee are now merged

- Clarified that all Office and Area chair positions start January 1<sup>st</sup>

- Updated our balloting and election procedures

- Established that we can start a Division Operating Manual (DOM)

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## 2024 Separations Division Bylaws Update – 4<sup>th</sup> Revision

Dan Summers – Lead

Bryan Boudouris & De-Wei Yin – CTOC Contacts

### Major Adjustments

- “By-Laws” changed to Bylaws

- Added SEP as our acronym

- Added Diversity and Code of Ethics statements

- Clarified who are Voting Members of SEP

- Planning and Program Committee are now merged

- Clarified that all Office and Area chair positions start January 1<sup>st</sup>

- Updated our balloting and election procedures

- Established that we can start a Division Operating Manual (DOM)



Distillation & Absorption

Crystallization & Evaporation

Extraction

Membrane-Based Separations

Adsorption and Ion Exchange

Fluid-Particle Separations

BioSeparations

General Topics



# Separations Division Membership Data Update

Isaac Gamwo, Atanas Serbezov

# 2024 SEP Division Membership Data

(358 members: 312 M; 43F; 3 U- 312 US & 46 non US)

Sep. Division Membership	2023	2024*
Fellows	57	59
Senior Members	284	253
Members	31	31
Graduate Students	7	11
Young Professionals	6	3
Others	4	1
<b>Total</b>	<b>389</b>	<b>358</b>

\*Oct. 2024

Month	2020	2021	2022	2023	2024
August	83	61	73	28	70
September	138	111	122	88	110
October	176	150	152	131	130
November	204	179	188	160	159
December	271	241	269	237	207
January	324	287	313	290	233
February	348	304	334	319	253
March	367	328	351	337	280
April	373	351	365	349	294
May	384	361	374	356	309
June	388	364	378	358	313
July	392	370	383	361	321
August	399	380	389	371	331
September	405	385	399	381	351
October	431	393	405	384	
November	440	398	407	386	
December	444	402	407	387	

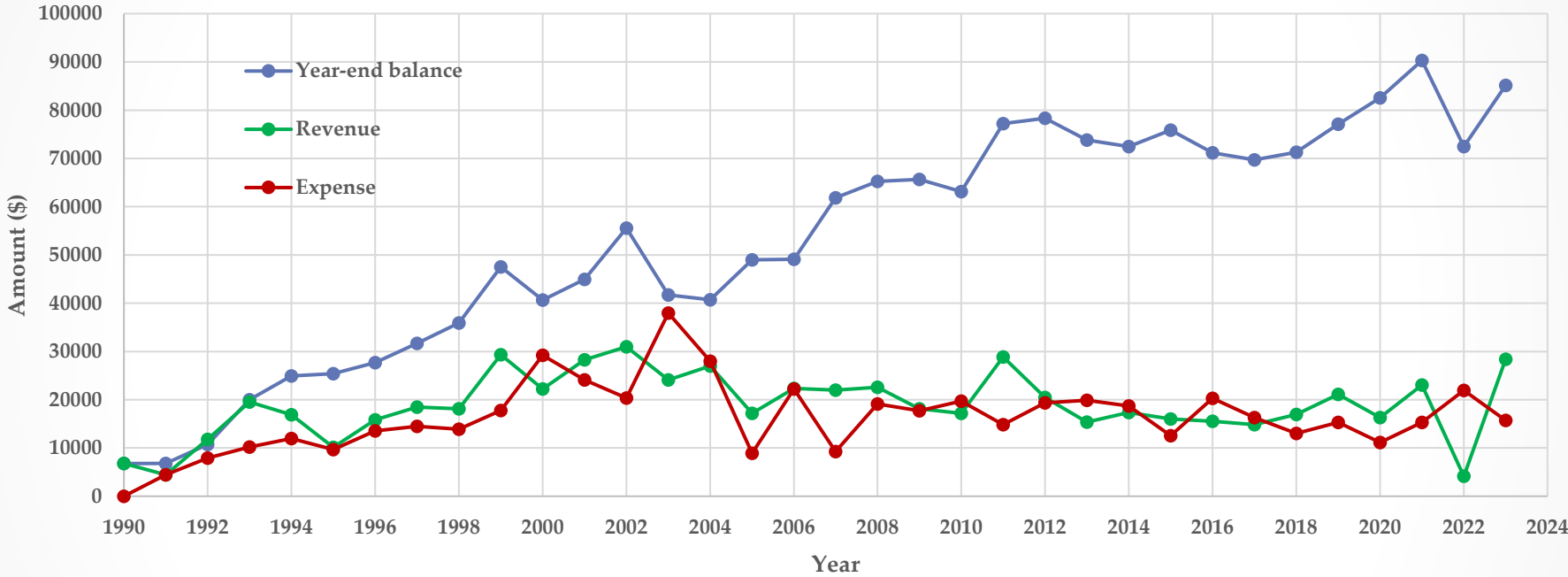


# **Financial Report-2023**

## **Separation Division**

**October-2024**

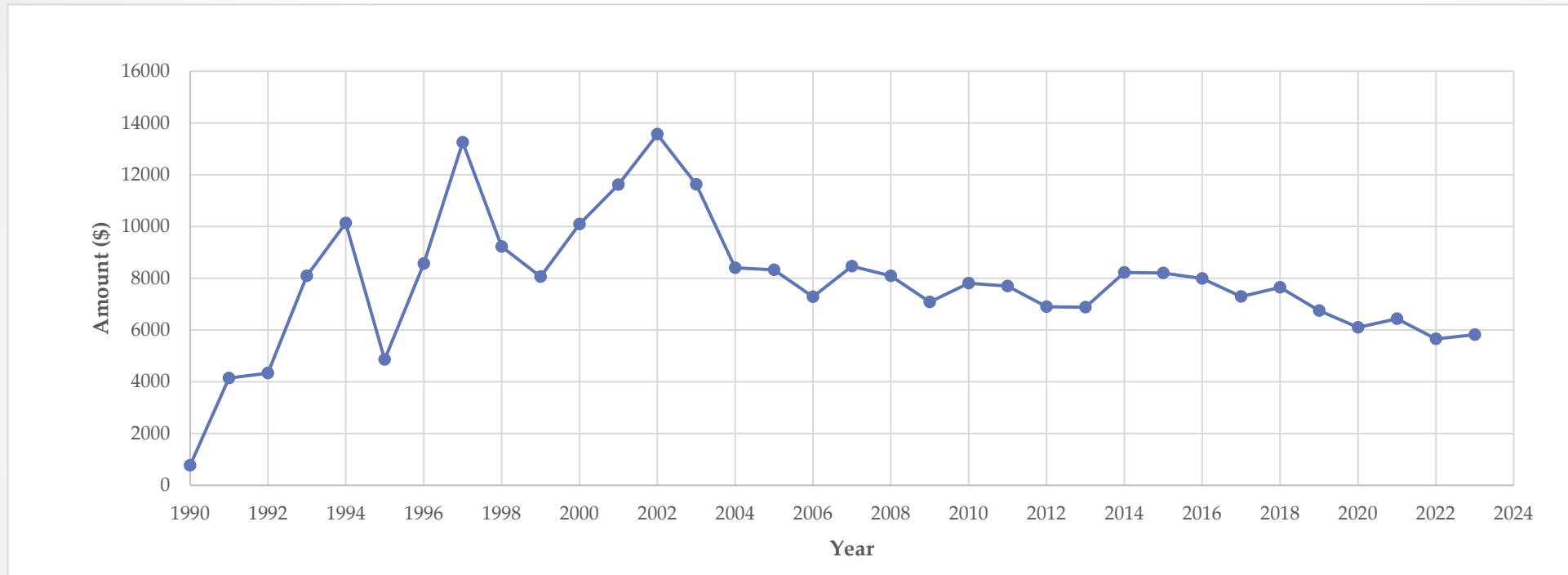
# Financial Summary Trends



• Historical high year-end balance in 2021

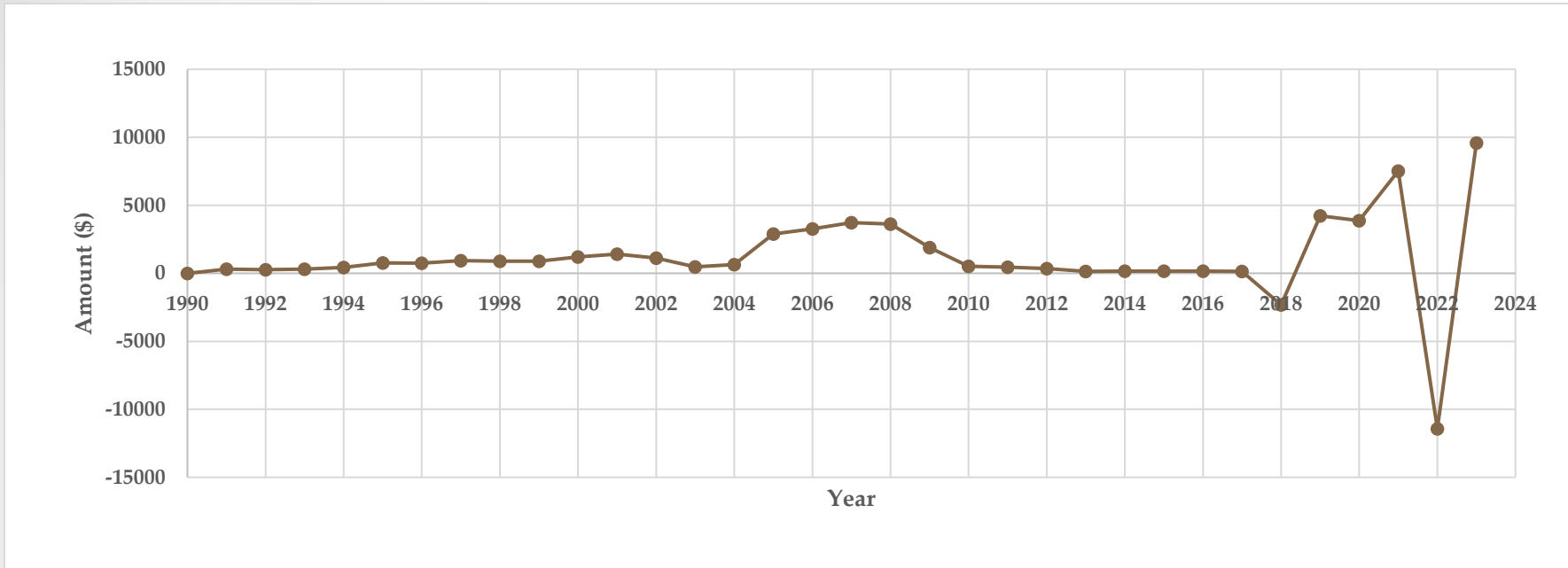


# Membership Dues Trend



- Flat trend over last 4 years

# Investment Income Trend



## Investment Distribution

Year	% in CD	% in AIChE portfolio
Prior 2018	100	0
2018	25	75
2019	75	25
2020	50	50
2021	25	75
2022	25	75
2023	25	75

❖ Record investment income in 2023

# Financial Overview of 2023



<b>Assets on 12/31/2022</b>	<b>72,469.89</b>
<b>Assets on 12/31/2023</b>	<b>85,140.52</b>
<b>Net Change</b>	<b>12,670.63</b>

<b>Net receipts</b>	<b>28,386.07</b>
<b>Total disbursements</b>	<b>15,715.44</b>
<b>Net earning</b>	<b>12,670.63</b>

# Receipts & Disbursements Details for 2023



## Receipts

Dues Payment	5,817.00
Donations from corporations	6,400.00
Investment income (loss)	9,586.71
Dinner ticket	3,990
Refund from AIChE	2,592.36
<b>Total Receipts</b>	<b>28,386.07</b>

## Disbursements

Awards –Professional	6,000.00
Awards –GRSA	1,600
Plaques and related	1,950.41
Award dinner and related	5,354.10
Travel and Lodging annual meeting	810.93
<b>Total Disbursements</b>	<b>15,715.44</b>

# Award Dinner Details of 2023



**Ticket sold : 3,990 (57 @ 70/ticket)**

**Total award dinner related expenses: 5,354.10**

**Division's expense : 1,364.10**

## **Award Dinner Expenses**

<b>Dinner expenses for 65 people @ 65.95/person :</b>	<b>4,286.75</b>
<b>Cash bar:</b>	<b>75.00</b>
<b>Microphone:</b>	<b>100.00</b>
<b>Service charge/Event fee, 20%:</b>	<b>892.35</b>
<b>Total :</b>	<b>5,354.10</b>

# Investment return -2023



Total fund on January-1-2023: 72,469.89

AIChE portfolio : 54,352.42 (75%)  
CD : 18,117.47 (25%)

Income from AIChE portfolio: 8,771.43  
Income from CD: 815.28  
Total Income : 9,586.71

Return from AIChE portfolio : 16.13%  
Return from CD : 4.5%

## 2023 Market returns

DOW : 13.8%  
Nasdaq : 43.42%  
S&P: 24.23%

# Current year (2024) Financial Updates and Outlook

- ❖ End of September-2024 balance : close to \$85,000
- ❖ Corporate donations updates:
  - Chevron - \$1,000 received (included in the end of September balance)
  - FRI- \$2,200 received in September (not included in the September closing balance)
  - Honeywell - \$3,200 will be paid on November 27, 2024
- ❖ Payment to awardees:
  - All award money disbursements are accounted for in September closing balance
- ❖ Investment distribution
  - AIChE portfolio : 75%
  - Fixed interest rate CD (5.3%) : 25%
- ❖ Investment distribution for 2025 needs to be reported to AIChE by end of 2024



**Overall financial outlook is good**  
**Good return on investment is expected - 🙌**

# 7. Awards

**CJ Kurt**, Director Award Coordinator,  
Award Committee Update & GSRA Award Requirements – Action Item

**Dan Summers**, Gerhold Award travel allowance – Action Item

**Jeff McCutcheon and Heather Chenette** - Education outreach award – Action Item



## 2024 Separations Division Award Winners

### Plenary Session Monday, October 28, 8:00-10:30 am

#### Clarence (Larry) G. Gerhold Award



#### Roger Whitley

Sponsored by: Honeywell UOP  
Administered by: Separations  
Division (SEP)

Distinguished Engineer, Air  
Products & Chemicals Inc  
2024

#### FRI/John G. Kunesch Award



#### Hee Jeung Oh

Sponsored by: Fractionation  
Research, Inc. (FRI)  
Administered by: Separations  
Division (SEP)

Assistant Professor of Chemical  
Engineering and Materials Science  
and Engineering, Pennsylvania  
State University  
2024

#### Jeffrey McCutcheon



Sponsored by: Fractionation  
Research, Inc. (FRI)  
Administered by: Separations  
Division (SEP)

General Electric Professor of  
Advanced Manufacturing in the  
Chemical & Biomolecular  
Engineering Department,  
University of Connecticut  
2024

#### Yeoman Innovation Award

Award		Winner	Institution
Kunesh		Hee Jeung Oh	Penn State
Innovation		Jeffrey McCutcheon	University of Connecticut
Gerhold		Roger Whitely	Air Products
GSRA	2A.	René Pöschmann (Jose Bravo award)	TU Berlin
	2B.	Dipayan Chakraborty	University of Houston
	2B.	Montgomery Laky	Purdue
	2D.	Medha Kasula	University of Alabama
	2D.	Matthew Webb (DB award)	University of Oklahoma
	2D.	Erda Deng	University of Buffalo
	2E.	Jasneet Pala	University of Alabama
	2E.	Sweta Modak	University of Alabama

## Award Status – October 2024

- We need more nominations, particularly for Founders and Innovation
- Should we include a session honoring student award winners?
- Developing an Awards section for the Division Operating Manual

## Proposed Kunesh Award Wording: Provide for self nomination

### Eligibility/Requirements:

- Candidate must be age 39 or less at the time of nomination.
- Candidate must be a member of AIChE in good standing and a member of the Separations Division. Active participation in the Separations Division, while not required, will be considered during the selection process.
- Nomination to include a current resume and/or documentation supporting the individual's involvement and contributions to the separations disciplines.

Nomination to include confirmation of the birth date of the nominee. **Self-nominations are welcome.**

- Nomination deadline to coincide with established deadlines for awards to be presented at the AIChE's fall annual meeting.
- Current office holders of the Separations Division leadership are eligible for this award, if other criteria are also met.
- Nominations will remain active as long as the candidate is eligible. Nominators are strongly encouraged to update their information and supporting letters regularly.
- This award may only be awarded to the same individual only once. Up to four supporting letters are required. To facilitate the review process, the preferred format for Nomination Packages is electronic, in ".pdf" format. If you wish to submit a Nomination Package in any other format, electronic or print, please contact the Separations Division. Send nominations to: [mvdem@chevron.com](mailto:mvdem@chevron.com), [190proofsummers@gmail.com](mailto:190proofsummers@gmail.com) and [cj@aquamembranes.com](mailto:cj@aquamembranes.com)

## Proposed GSRA Award Wording: Provide for self nomination

**For consideration for the award, the following should be submitted:**

1. A single paper contributing to separations fundamentals or applications. This paper may be co-authored by others, but the student nominee must have been the primary author. The paper should be of a quality acceptable for publication in journals such as the AIChE Journal or Chemical Engineering Science.

2. A single letter of support detailing the student's strengths and accomplishments, written by a person familiar with the work and preferably a faculty member, who must be a member of AIChE.

*Current:*

2. a single nomination letter detailing the student's strengths and accomplishments, written by a faculty member, who must be a member of AIChE.

3. The student's CV

To be eligible for this year's awards, the nominees must currently be graduate student or have graduated since the last AIChE Annual meeting. Nominations are due May 1st.

**The selection criteria include:**

1. The paper must report on research, investigation or design, and must be part of the student's work for a graduate degree.
2. The paper may be co-authored by others, but the student nominee must have been the primary author.
3. The paper should be of a quality acceptable for publication in journals such as the AIChE Journal and Chemical Engineering Science.
4. Papers will be judged on technical content, quality of writing, and organization.

5. The person writing the letter of support must be a member of AIChE.

*Current:*

5. The person nominating a student must be a member of AIChE.

## Clarence (Larry) G. Gerhold Award

Recognizes an individual's outstanding contribution in research, development, or in the application of chemical separations technology. Starting in 2010 the award will be presented in even years to nominees from industry or non academic entities, and in odd years to nominees from academia. Nominees can indicate in which category they want to be considered. The criteria used for selection shall be consistent with the category.

DETAILS	
<b>Award</b>	A check for \$3000, a plaque, and 2 complementary tickets (recipient plus guest) to the Separations Division Awards Dinner at the AIChE Fall Annual Meeting.
<b>Deadline</b>	May 1, 2024
<b>Administrators</b>	Separations Division (SEP)
<b>Presentation</b>	A plaque and \$3,000 plus a travel allowance.



Distillation & Absorption

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Membrane-Based Separations

Adsorption and Ion Exchange

Fluid-Particle Separations

BioSeparations

General Topics



# Awards Dinner

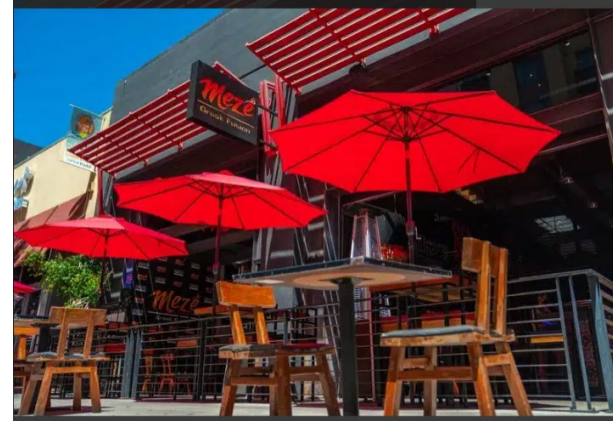
Haiqing Lin, Sep. Division 2<sup>nd</sup> Vice Chair

# 2024 Awards Dinner

**Date:** Monday, October 28, 2024

**Time:** 7:00 pm - 10:00 pm

**Location:** Meze Greek Fusion  
345 Sixth Avenue

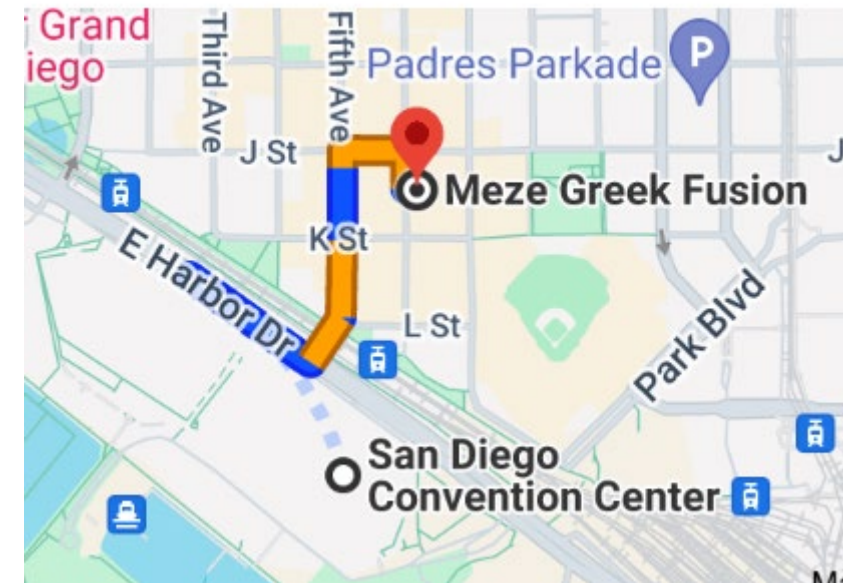


3 min (0.4 mi) via E Harbor Dr and Fifth Ave

**Registration fee:** \$80.00

**Number of guests:** **63** registered (10/22/24)  
**10** awardees + guests

**Menu:** appetizers, salad, entrée (filet mignon, chicken, salmon, Pasta), sides, dessert  
cash bar – alcoholic drinks are not included in the ticket



**2024:** The Division purchased the complimentary tickets for our guests





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# Communications Survey

**Heather Chenette**, Communication Survey Team lead

Christopher Burcham

Christine Duval

Steve Thiel

# Sep. Div. Communications Survey - 2024

**Propose (Motion):** Conduct short survey to see how division members (and potential members) would prefer to engage with the division-level content to help maximize impact of future communication efforts.

**Recipients:** active member list, ask that area chairs highlight it among their members, and post on LinkedIn and our website.

**Actions:** Can be taken on by one person, but I am open to having 1-2 others help draft and refine the survey and review the data.

**Timeline:** Open for ~1-2 months, share results at following SepDiv meeting

Please send ideas/interest/other feedback/questions related to communications: [chenette@rose-hulman.edu](mailto:chenette@rose-hulman.edu)

# Sep. Div, Communications Survey - 2024

## **Sep. Div. Communications Team**

Christopher Burcham

Heather Chenette (lead)

Christine Duval

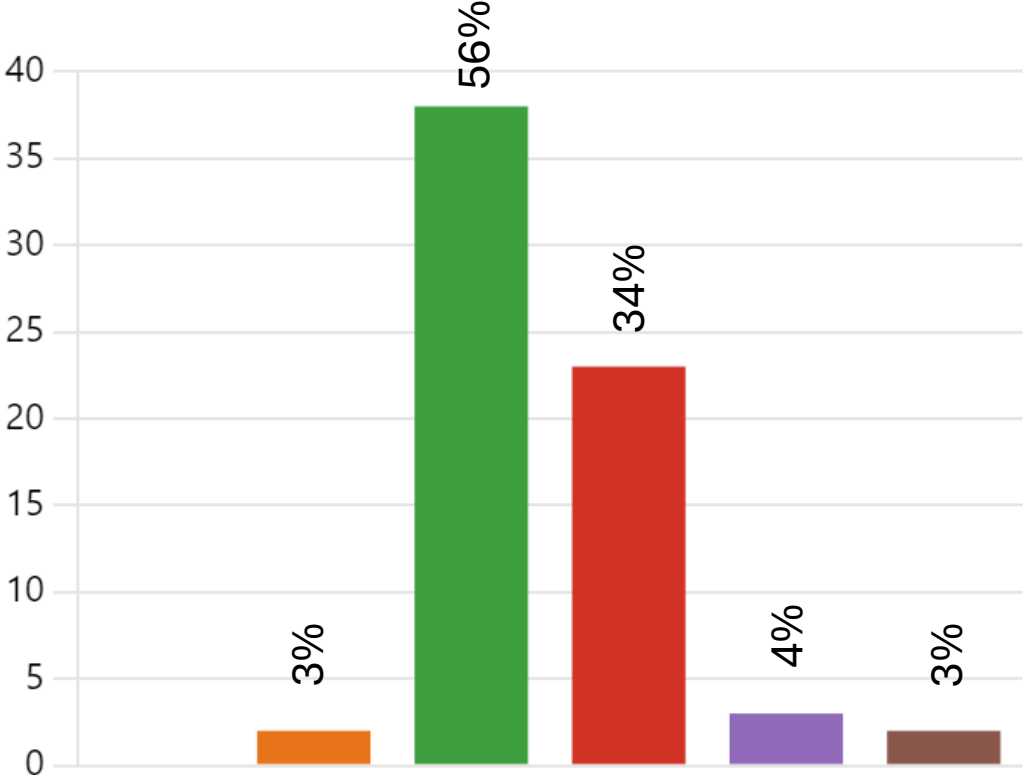
Steve Thiel

**As of 7/8/24, 68 responses, average time to complete 03:34**

# Survey participants are mostly from industry and academia.

2. How would you describe your current position?

Undergraduate student	0
Graduate student	2
Industry professional	38
Academic (Post-doc, PI, faculty ...	23
National Lab/Government agen...	3
Other	2

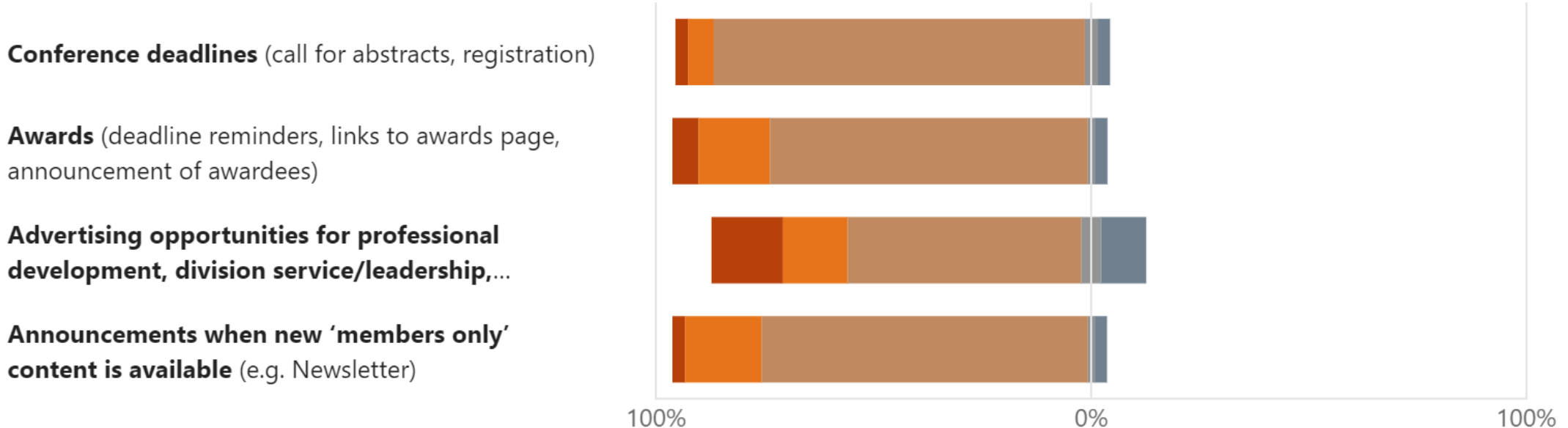


**Number of Responses: 68**

More prefer email than any other form (regardless of topic). Newsletter, Website, and LinkedIn preferred by some for topics other than conference deadlines.

### 3. What are your preferred methods of communication?

■ Websites ■ Newsletter ■ Email ■ AIChE Engage SepDiv Discussion Group ■ LinkedIn ■ YouTube ■ Facebook



**Number of Responses: 68**

Least preferred are websites/places that require additional navigation to hunt for information.

4. What is your least preferred method of communication?



*It depends on the topic and what. YouTube is bad for announcements, but great for presentations.*

*website as i have to remember to go visit it.*

*Needing to go to a site and having to find it.*

*AIChE Engage - I do not want to navigate to another place to check on things*

*Websites (because I have to actively load/read the correct page)*







*I guess youtube. I didn't know that channel existed until now!*

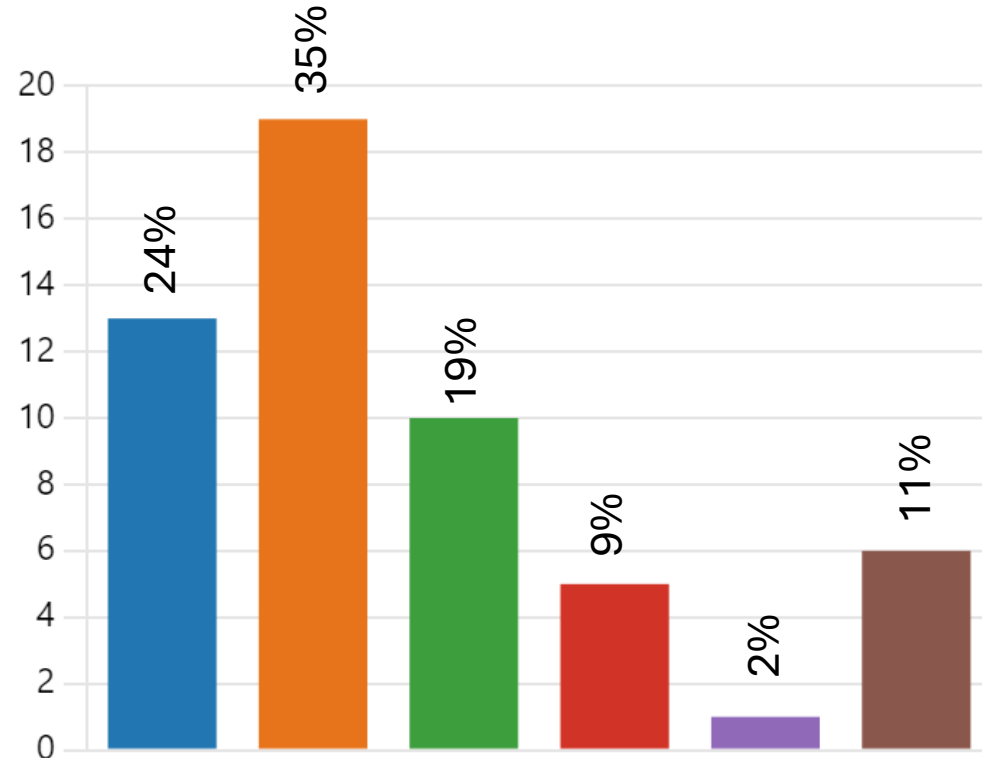
*website or any method where I have to go looking. E-mail is preferred, because it comes to me. But I am on linkedIn enough that it is convenient to see there too.*

**Number of Responses: 59**

# Of these online programs, people are engaging most with the Newsletter.

5. Are you currently engaging with any of our online programs?

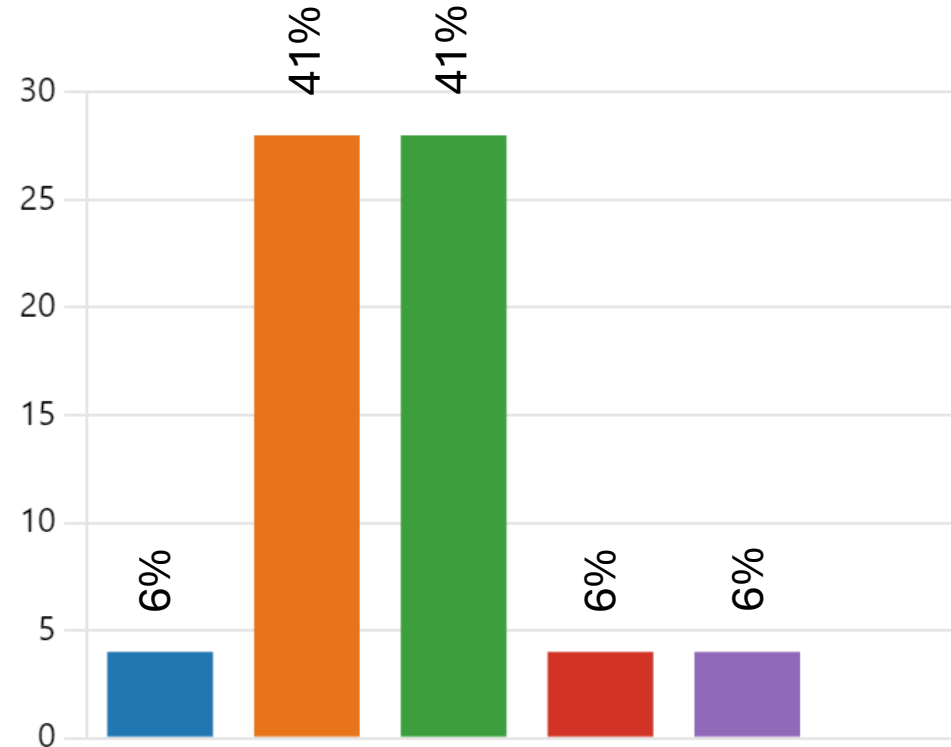
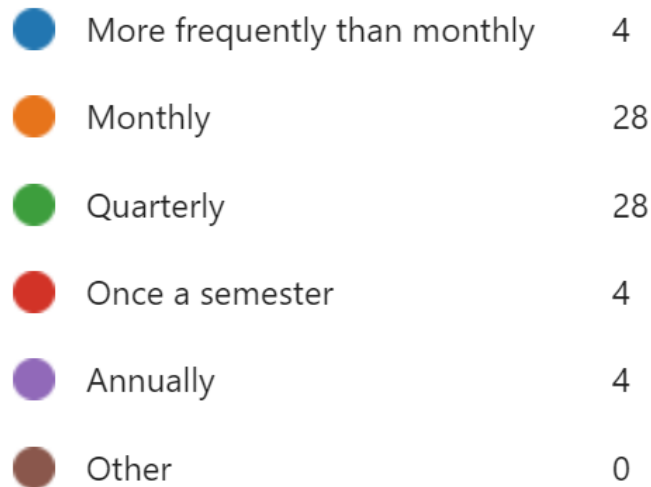
 SepDiv Website	13
 SepDiv Newsletter	19
 LinkedIn: SepDiv Group	10
 AIChE Engage: SepDiv Discussio...	5
 YouTube: AIChE SepDiv Channel	1
 Other → typed "No" or "None"	6



**Number of Responses: 34**

# Most respondents would like to see content from SepDiv on a quarterly or monthly basis.

6. Generally, how frequently would you like to see content from the SepDiv Community?







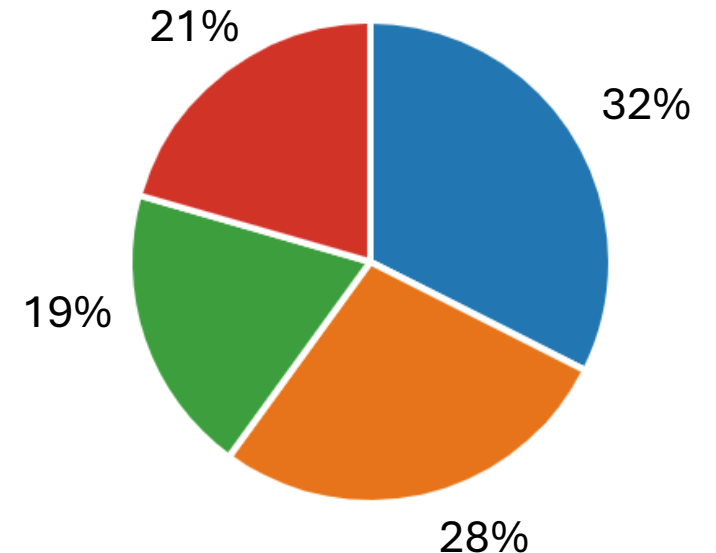
**Number of Responses: 68**



# Content interest spans all these...

7. What kind of content are you interested in? (Multiple selections possible.)

-  **Conference deadlines** (call for abstracts, registration)
-  **Awards** (deadline reminders, links to awards page, announcement of awardees)
-  **Advertising opportunities for professional development, division service/leadership, networking, workshop events at conferences** (business meeting, programming meeting, awards banquet)
-  **Announcements when new 'members only' content is available** (e.g. Newsletter)



**Number of Responses: 67**

# No critical accessibility needs expressed.

8. Do you have any accessibility needs or requests for content?

32 respondents (91%) answered **no / none / N/A** for this question.

*technical content*

*Perhaps include the organization chart on the Separations Division website with photos to attract more traffic*

*Never got any details so not sure.*

**Number of Responses: 35**

# Summary of optional feedback...

## 9. Do you have any other feedback for the Communications Team?

24 respondents (80%) answered **no / none / N/A / Thanks** for this question.

- Desire for **award deadlines and announcements, etc. be made via email and LinkedIn** with direct link to content (website, etc.) for easy access (3)
- Desire for better way for **Area Chairs to communicate directly with Area members** (1)
- Desire to **learn Division objectives, vision, priorities, updates, how to get involved and not have to hunt** for this information online (1)
- Suggestion to **keep email short**, better chance of being read (1)

*“It's been many years since I recall seeing the announcement about nominating grad students for the Separations Division awards. I would really like to nominate students, but it's hard if I don't get information on deadlines and procedures.”*

**Number of Responses: 30**

# Recommendations

1. **Quarterly emails** to Division member list (AIChE official list) that contain topic headers, with links to relevant websites. (See EdDiv example)
2. For **specific time-sensitive reminders** (conference abstract deadlines, awards deadlines, etc.) send email to Division member list (AIChE official list) **1 week in advance of deadline**, with links to relevant websites.
3. Any **ongoing updates** made to the website (new content, recent Newsletter, Award applications open, Awardees announced, etc.) as well as **specific time-sensitive reminders** (abstract deadlines, awards deadlines, etc.) be **posted to LinkedIn with links to website**. These updates can also be included in subsequent quarterly emails using request tool. (See EdDiv example)

The image shows two screenshots. The top screenshot is the AIChE Education Division Announcements page for August 2024. It features a blue header with the SEP logo and a list of five announcements: 1. Welcome back, EdDiv!; 2. Education Division Dinner – Tuesday 10/29 @ Half Door Brewing; 3. Teaching faculty in NC State's Chemical and Biomolecular Engineering Department; 4. Assistant/Associate/Full Teaching Professor – Iowa State University; 5. LAST CALL - 2024-2025 Future Faculty Mentoring – Call for Mentors and Mentees.


The bottom screenshot is a LinkedIn group page for 'AIChE - Separations Division'. The page shows the group profile, a recent post by Heather Chenette about a survey, and a section titled 'Awards' with a call to action: 'Please submit awards nominations by May 1, 2024!'. The awards section lists several categories and winners, including the Clarence (Larry) G. Gerhold Award, FRU/John G. Kuresh Award, SEP Founders Award, and Separations Division Graduate Student Research Award.

# Quarterly Email Example

Your AICHE Education Division Announcements for August 2024

Education Division of AICHE <customerservice@aiche.org>  
To: Chenette, Heather

Fri 8/30/2024 1:20 PM



## AICHE Education Division Announcements August 2024

**Contents:**

- [1. Welcome back, EdDiv!](#)
- [2. Education Division Dinner – Tuesday 10/29 @ Half Door Brewing](#)
- [3. Teaching faculty in NC State's Chemical and Biomolecular Engineering Department!](#)
- [4. Assistant/Associate/Full Teaching Professor – Iowa State University](#)
- [5. LAST CALL: 2024-2025 Future Faculty Mentoring – Call for Mentors and Mentees](#)
- [6. AICHE Education Division Course Survey: Transport phenomena and applications](#)
- [7. AICHE Teaching Focused Faculty \(TFF\) connection opportunities in Fall 2024](#)
- [8. Submitting Ed-Div Announcements](#)

**1. Welcome back, EdDiv!**

The start of the fall term is, or will soon be, upon us. I hope you are energized and excited to greet new and returning students. For me, this time of year always holds promise, presenting opportunities to try something new or tweak something old – all in the interest of better teaching and learning. I trust that you also are inspired

# Quarterly Email Example

## 8. Submitting Ed-Div Announcements

To submit an EdDiv announcement, please prepare a maximum of a 2-3 paragraph description including any relevant URLs and contact information as well as a subject line. Do not include any attachments. Email this information to [REDACTED] with the email heading "For EdDiv Announcements." Announcements will be sent out near the middle of each month. Each announcement will be included once, unless otherwise requested.

# 10. Area Reports (2A-2G)

**Area Chairs/ Co-Chairs**

# 2024 -2025 Annual Meeting Sessions

	Code	Fall 2024	2025 <i>Initial</i>	Requested	Granted	Final
Sep div	20	2	2	2		
Distillation and Absorption	2A	1	1	1		
Crystallization & Evaporations	2B	13	13	13		
Extraction	2C	2	2	2		
Membrane-based Separations	2D	20	20	20		
Adsorption & Ion Exchange	2E	18	21	21		
Fluid-Particle Separations	2F	2	2	2		
Bio separations	2G	7	7	7		
General Topics & Other Methods	2H	1	1	1		
<i>Total</i>		66	66			
<i>Limit</i>		58	58			



# Area 2A 2023 Report – Distillation & Absorption

**Area Chair: Gregory Cantley, Marathon Petroleum**  
**Area Vice Chair: Izak Nieuwoudt, Fractionation Research Inc.**

# 2025 Session Planning

## Spring 2025 (Dallas)

Number of Oral Sessions (No titles necessary): 8

Number of Poster Sessions (No titles necessary): **0**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **0**

## Fall 2025 (Boston)

Number of Oral Sessions (No titles necessary): **1**

Number of Poster Sessions (No titles necessary): **0**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **0**

## Succession Plan

When does the current Chair's term expire?

- After the Fall 2024 Meeting

Who will succeed the current Chair?

- Izak Nieuwoudt, Fractionation Research Inc. through the 2026 Annual meeting.
- Senthil Krishnamoorthy, Sulzer Chemtech will take the vice-chair position after the 2024 Annual Meeting

# Area 2B\* 2023 Report – Crystallization and Precipitation

**Area Chair: Christopher Burcham, Eli Lilly and Company**

**Area Vice Chair: Gerard Capellades, Rowan University**

\* Area 2B to was renamed from Crystallization and Evaporation to **Crystallization and Precipitation**

# 2024 Session Planning

## Spring 2024 (New Orleans)

Number of Oral Sessions (No titles necessary): **0**

Number of Poster Sessions (No titles necessary): **0**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **0**

## Fall 2024 (San Diego)

Number of Oral Sessions (No titles necessary): **13 (2 are cosponsored)**

Number of Poster Sessions (No titles necessary): **0**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **3 – areas 03C, 12A and PD2M**

Number of Special Sessions, e.g. Topicals (list the Topical title): **1 - Area 2B Crystallization and**

**Precipitation Plenary Session: Invited Speakers**

## Succession Plan

When does the current Chair's term expire?

- After the 2024 Meeting

Who will succeed the current Chair?

- Gerard Capellades, Rowan University through the end of the 2026 meeting.

Elections for Vice chair will occur at the 2024 meeting for the Vice Chair who will fill Gerard's position

# Area 2C 2024 Report – Extractions

**Area Chair: David Cantu, University of Nevada, Reno**

**Area Vice Chair: George Goff, Los Alamos National Laboratory**

# 2024 Session Planning

## Spring 2024 (New Orleans)

Number of Oral Sessions (No titles necessary): **0**

Number of Poster Sessions (No titles necessary): **0**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **0**

## Fall 2024 (San Diego)

Number of Oral Sessions (No titles necessary): **2**

Number of Poster Sessions (No titles necessary): **0**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **0**



## Succession Plan

No succession plans for now.

Looking for a new co-Chair, so that the new co-Chair could become the Chair in 2025 or 2026.

---

# Area 2D 2024 Report – Membrane-Based Separations

**Area Chair: Christine Duval**

**Area Vice Chair: Chen Zhang**

# 2024 Session Planning

## Spring 2024 (New Orleans)

Number of Oral Sessions (No titles necessary): **0**

Number of Poster Sessions (No titles necessary): **0**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **0**

## Fall 2024 (San Diego)

Number of Oral Sessions (No titles necessary): **20 (includes honorary session for Ingo Pinnau)**

Number of Poster Sessions (No titles necessary): **1**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **3-6 (2 in Decarbonization by electrification; 1 in Process Intensification & Modular Chemical Processing; 3 in Critical Minerals for the Clean Energy Transition)**

**Did not include Area planning/Division business meetings or Division plenary in accounting.**

## Succession Plan

When does the current Chair's term expire?

- 2025 (next meeting)

Who will succeed the current Chair?

- Chen Zhang (current Vice-Chair).

New Vice-Chair to be elected at Area 2D planning meeting in 2025.

---

# Area 2E 2024 Report – Adsorption and Ion Exchange

**Area Chair: Daniel W. Siderius, NIST**  
**Area Vice Chair: Armin Ebner, University of South Carolina**

# 2025 Session Planning

## Spring 2025 (Dallas)

Number of Oral Sessions (No titles necessary): **0**

Number of Poster Sessions (No titles necessary): **0**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **0**

## Fall 2025 (Boston)

Number of Oral Sessions (No titles necessary): **18 (will request 3 more sessions)**

Number of Poster Sessions (No titles necessary): **1**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **0**

## Succession Plan

When does the current Chair's term expire?

- November 2025

Who will succeed the current Chair?

- Armin Ebner, University of South Carolina (current Vice Chair)
- Area 2E will elect a new Vice Chair at the 2025 Annual Meeting. The new Vice Chair will become chair in November 2027.

# Area 2F 2024 Report – Fluid- Particle separation

**Area Chair:**

**Jenifer Gomez**

**Area Vice Chair:**

**Seyi Oduyungbo**



# 2024 Session Planning

## Spring 2024 (New Orleans)

Number of Oral Sessions (No titles necessary): 0

Number of Poster Sessions (No titles necessary): 0

Number of Co-Sponsored Sessions (list the co-sponsor areas): 0

Number of Special Sessions, e.g. Topicals (list the Topical title): 0

## Fall 2024 (San Diego)

Number of Oral Sessions (No titles necessary): **2**

Number of Poster Sessions (No titles necessary): **1**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **0**

Number of Special Sessions, e.g. Topicals (list the Topical title): **0**

## Succession Plan

When does the current Chair's term expire?

- 2025

Who will succeed the current Chair?

- Looking for a new Chair/co-chair after this meeting so that this person becomes chair in 2026

# Area 2G 2024 Report – Bioseparations

**Area Chair: Heather Chenette**

**Area Vice Chair: Cristiana Boi**

# 2025 Session Planning

## Spring 2025 (Dallas)

Number of Oral Sessions (No titles necessary): **NA**

Number of Poster Sessions (No titles necessary): **NA**

Number of Co-Sponsored Sessions (list the co-sponsor areas): **NA**

Number of Special Sessions, e.g. Topicals (list the Topical title): **NA**

## Fall 2025 (Boston)

Number of Oral Sessions (No titles necessary): **7 (including co-sponsored)**

Number of Poster Sessions (No titles necessary): **0**

Number of Co-Sponsored Sessions (list the co-sponsor areas):

Number of Special Sessions, e.g. Topicals (list the Topical title):

## Succession Plan

When does the current Chair's term expire?

- November 2025

Who will succeed the current Chair?

- to be elected at the area business meeting, the current co-Chair, Ketki Behere will step down because her company does not guarantee her participation at the Annual meetings.

# Directors' Report

**Tony Cai**, Director, Interaction with other organizations

# AIChE Separations Division and EFCE WPFS and FRI

- Separations Division
- EFCE Working Party in Fluid Separations
- Fractionation Research Inc. (FRI)
- As three premier organizations that are focus on the separation, I truly believe that the Separations Division, WPFS, and FRI can benefit from working together in many areas



# Awards Nomination Support

- Encourage WPFS and FRI Members to assist the Separations Division in nominating more candidates from Europe and USA for the awards presented annually by the Separations Division.
- This support could involve utilizing WPFS, FRI website links, disseminating information through news channels, and other means.



# EFCE Spotlight Talk Series Promotion:

- Utilize the AIChE mailing list of the Separations Division to promote the EFCE Spotlight Talk Series, fostering increased awareness and engagement.
- WPFS can do similar promotion for Separations Division
-

# Joint Promotion of Major Events:

- Collaborate in promoting events such as the D&A (Distillation and Absorption) and the AIChE Distillation Symposium, thereby leveraging the strengths of both Separations Division and WPFS.
- Invite the members of Separations Division to attend the FRI public webinars on various topics of separations

<https://www.aiche.org/community/sites/divisions/separations>

[https://efce.info/WP\\_FS.html](https://efce.info/WP_FS.html)



Distillation & Absorption

Crystallization & Evaporation

Extraction

Membrane-Based Separations

Adsorption and Ion Exchange

Fluid-Particle Separations

BioSeparations

General Topics



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Distillation & Absorption

Crystallization & Evaporation

Extraction

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Adsorption and Ion Exchange

Fluid-Particle Separations

BioSeparations

General Topics



# Succession Plan-Division Website

Stephen Theil, Director, Webmaster

# Website Update – October 2024

- Will update award nomination deadlines after conference
- Concur with recommendations from communications survey, but
  - Need content!
  - Need way within AIChE structure to make landing page more newsy and new content more accessible
- Current webmaster is willing to continue in role after term as Director ends in December 2024



Distillation & Absorption

Crystallization & Evaporation

Extraction

Membrane-Based Separations

Adsorption and Ion Exchange

Fluid-Particle Separations

BioSeparations

General Topics



# Division Diversity/IDEAL efforts

**Caryn Heldt**, Director, Diversity Planning Coordinator & Chair, IDEAL Committee

# Sep Div IDEAL Committee

Caryn Heldt, Committee Chair

Michigan Technological University

**I**NCLUSION  
**D**IVERSITY  
**E**QUITY  
**A**NTI-RACISM  
**L**EARNING

**AIChE**  
The Global Home of Chemical Engineers

The Global Home of Chemical Engineers



# IDEAL Committee Report

- Recommendations and action items take by the committee this year
  - Awards
  - Committee name
  - Discussion of new programming to increase diversity in Sep Div
  - IDEAL activities to attend at AIChE this year



# Proposed 2025 SepDiv Networking Events

- Separations Division Mixer
  - Timing: after SepDiv sessions or business meeting, before evening receptions
  - Support: Can it be sponsored with snacks and drinks?
  - Setting: Have round table discussions and career mentoring, Q&A
- Engage with Early Career Committee (ECC) and Education Division (EdDiv)
  - Panel speakers, Mentor sessions - TBD for 2025
- Continue to welcome new members, invite to participate
  - Planning meeting invites, Introductions, QR Code to volunteer/email list

- As you select session chairs, keynotes, abstracts, and other invited positions, please keep in mind that we would like to have diversity in:
  - Gender
  - Ethnicity
  - Experience (both level of experience and academia vs industry)
  - Thought (people with contrary scientific viewpoints)
- Keeping this in mind will make your sessions more thought provoking and interesting



<b>Monday, October 28, 2024</b>	<b>3:30 PM – 5:00 PM</b>	<b>IDEAL Panel Session: Supporting Mental Health in Chemical Engineering: Perspectives from Academia and Industry</b> Location: Room 27B, SDCC
	<b>5:30 PM – 6:45 PM</b>	<b>IDEAL Reception (A Celebration for AIChE's DORIC, K-12, LGBTQ+ &amp; Allies, MAC, and WIC Communities)</b> Location: Exhibit Hall FG Foyer, SDCC