

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

|  |   |   |  |  |   |
|--|---|---|--|--|---|
| Isaac K. Gamwo<br>Chair<br>U.S. DOE-NETL<br>(412) 386-6537<br>gamwo@netl.doe.gov | Marina Tsianou<br>First Vice Chair<br>University at Buffalo<br>(716) 645-1191<br>mtsianou@buffalo.edu | Haiqing Lin<br>Second Vice Chair<br>University at Buffalo<br>(716) 645-1856<br>haiqingl@buffalo.edu | Atanas Serbezov<br>Secretary<br>Rose-Hulman Inst. Technol.<br>(812) 877-8097<br>serbezov@rose-hulman.edu | Tarun Poddar<br>Treasurer<br>tpoddar@att.net | Seth Huggins<br>Past Chair<br>Amgen<br>(805) 447-3710<br>shuggins@amgen.com |
|--|---|---|--|--|---|

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**CTOC LIAISON**  
Narayan Ramesh  
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**MINUTES**

Separations Division Online Planning Meeting

Friday, March 15, 2024, noon – 1:00pm (EDT)

**Attendance (via phone or Webex):**

|                 |                       |                     |
|-----------------|-----------------------|---------------------|
| Isaac Gamwo     | Marina Tsianou        | Haiqing Lin         |
| Atanas Serbezov | Tarun Poddar          | Dan Summers         |
| Caryn Heldt     | Heather Chenette      | CJ Kurth            |
| Daniel Siderius | Josh Thompson         | Tony Cai            |
| Izak Nieuwoudt  | Gerard Capellades     | Christopher Burcham |
| Jeff McCutcheon | Stephen Thiel         | David Cantu         |
| Christine Duval | Jenifer Gomez Pastora | Ketki Behere        |
| Derek Ward      | Chen Zhang            |                     |

**Approval of Minutes from November 5, 2023 (Atanas Serbezov)**

A motion to approve the minutes as distributed by email passed by acclamation.

**Leadership Roster (Isaac Gamwo)**

See slides in the Appendix for details.

Isaac Gamwo introduced the new officers and welcomed the returning officers.

**Review of Action Items (Isaac Gamwo)**

- Division Funds  
The allocation for 2024 is 25% CD and 75% AIChE portfolio, unchanged from 2023.
- Division Inclusivity  
Work in Progress. Caryn Heldt is working on proposals for self-nominations and a new name for the "Diversity Committee". See minutes from Nov. 5, 2023.

**2024 Meetings Planning (Isaac Gamwo)**

See slides in the Appendix for details.

Isaac Gamwo reviewed the session allocation and deadlines for the 2024 Spring and Fall meetings.

2G Area has decided to go to a bucket submission mode, rather than immediately specifying sessions. The bucket descriptions were written in consultation with the co-chairs. There two buckets:

Bioprocess: Materials and Molecules

<https://aiche.confex.com/aiche/2024/prelim.cgi/Session/54603>

Bioprocess: Process and Modelling

<https://aiche.confex.com/aiche/2024/prelim.cgi/Session/54621>

### ***Awards (Isaac Gamwo)***

See slides in the Appendix for details.

Isaac Gamwo reviewed the awards administration process.

It was noted that the description of the Education and Outreach award on the Division web site is outdated. The Division has decided to change the award description, see minutes from May 11, 2022. However, the new award description has not been finalized.

Motion: Remove the Education and Outreach award from the Division web site until a new description is adopted.

Motion carried.

Action Item: Discuss the Education and Outreach award at the next planning meeting. Atanas to find the relevant meeting minutes where the Education and Outreach award has been previously discussed.

### ***GSRA Awards Nominators (CJ Kurth / Dan Summers)***

The current GSRA award description states that the nominator must be a faculty member who is also an AIChE member. This poses an issue for international nominees from institutions where faculty are not AIChE members. There was a discussion to allow external collaborators as nominators, if they are AIChE members and have direct involvement with the student's work.

Action Item: CJ Kurth to draft and propose a new language for the GSRA award nominators.

### ***Bylaws Update (Isaac Gamwo)***

See slides in the Appendix for details.

Per CTOC rules, the Division needs to review and update its bylaws in 2024. Isaac Gamwo outlined the milestones in the review process.

Action Item: Dan Summers to lead the bylaws review process.

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

Heather Chenette proposed to conduct a survey to see how Division members prefer to engage with the content produced by the Division. The survey will be distributed using the AIChE list of current members and posted on the Division website and LinkedIn. The survey would be open for one month. The results will be presented to the Division.

Motion: Conduct a communications survey as described by Heather Chenette.

Motion carried.

Action Item: Heather Chenette to conduct the communications survey.

### ***New Business (Isaac Gamwo)***

- Gerhold Award travel allowance  
To be discussed at the next planning meeting.

## **APPENDIX**



Distillation & Absorption

Crystallization & Evaporation

Extraction

Membrane-Based Separations

Adsorption and Ion Exchange

Fluid-Particle Separations

BioSeparations

General Topics



# 2024 Separations Division Planning Meeting

**Isaac K. Gamwo, Ph.D., P.E.**  
**U.S. DOE-NETL**  
**2024 Division Chair**

**March 15, 2024**

## Congrats New 2024 Leaders!!

|   |                         |
|---|-------------------------|
| <b>2<sup>nd</sup> Vice Chair</b>                          | <b>Haiqing Lin</b>      |
| <b>Director (Communications)</b>                          | <b>Heather Chenette</b> |
| <b>Director (Awards team)</b>                             | <b>Joshua Thompson</b>  |
| <b>2D Membrane-Based Separations – Area Vice Chair</b>    | <b>Chen Zhang</b>       |
| <b>2E Adsorption &amp; Ion Exchange – Area Vice Chair</b> | <b>Armin Ebner</b>      |
| <b>2G Bioseparations</b>                                  | <b>Ketki Behere</b>     |

## 2024 Division Leadership - Officers

|   |                        |
|---|------------------------|
| <b>Chair</b>                                  | <b>Isaac K. Gamwo</b>  |
| <b>1<sup>st</sup> Vice Chair (2025 Chair)</b> | <b>Marina Tsianou</b>  |
| <b>2<sup>nd</sup> Vice Chair (2026 Chair)</b> | <b>Haiqing Lin</b>     |
| <b>Secretary</b>                              | <b>Atanas Serbezov</b> |
| <b>Treasurer</b>                              | <b>Tarun Poddar</b>    |
| <b>Past Chair</b>                             | <b>Seth Huggins</b>    |

## 2024 Division Leadership

### Directors

|  |                          |   |                           |
|--|--------------------------|---|---------------------------|
| <b>Director</b>                                    | <b>Stephano Brandani</b> | <b>Director (Communications)</b>          | <b>Heather Chenette</b>   |
| <b>Director (Awards Team)</b>                      | <b>CJ Kurth</b>          | <b>Director (Diversity and Inclusion)</b> | <b>Caryn Heldt</b>        |
| <b>Director (Gerhold Award Chair)</b>              | <b>Dan R. Summers</b>    | <b>Director (Webmaster)</b>               | <b>Stephen Ritchie</b>    |
| <b>Director (Liaison with Other Organizations)</b> | <b>Tony Cai</b>          | <b>Director (Membership Growth)</b>       | <b>Evan S. Hatakeyama</b> |
| <b>Director (Webmaster)</b>                        | <b>Stephen Thiel</b>     | <b>Director (Awards team)</b>             | <b>Joshua Thompson</b>    |
| <b>Newsletter Editor</b>                           | <b>Marina Tsianou</b>    | <b>CTOC Liaison</b>                       | <b>Narayan Ramesh</b>     |

## 2024 Division Leadership - Area Chairs

| Area                              | Chair                 | Vice Chair                  |
|-----------------------------------|-----------------------|-----------------------------|
| 2A Distillation & Absorption      | Gregory Cantley       | Izak Nieuwoudt              |
| 2B Crystallization & Evaporation  | Christopher Burcham   | Gerard Capellades           |
| 2C Extraction                     | David Cantu           | George S. Goff              |
| 2D Membrane-Based Separations     | Christine E. Duval    | Chen Zhang                  |
| 2E Adsorption & Ion Exchange      | Daniel Siderius       | Armin Ebner                 |
| 2F Fluid-Particle Separations     | Jenifer Gomez Pastora | Seyi A. Oduyungbo           |
| 2G Bioseparations                 | Cristiana Boi         | Ketki Behere                |
| 2H General Topics & Other Methods | Stephen Ritchie       | TBD @ Area Planning Meeting |

## 2024 Session Planning

|                                | Code         | Fall 2023 | Fall 2024 Initial (Oral/Poster) |
|--------------------------------|--------------|-----------|---------------------------------|
| Sep div                        | 20           | 2         | 1/1                             |
| Distillation and Absorption    | 2A           | 1         | 1                               |
| Crystallization & Evaporations | 2B           | 8         | 10                              |
| Extraction                     | 2C           | 2         | 2                               |
| Membrane-based Separations     | 2D           | 12        | 18                              |
| Adsorption & Ion Exchange      | 2E           | 18        | 18/1                            |
| Fluid-Particle Separations     | 2F           | 2         | 2                               |
| Bio separations                | 2G           | 8         | 6                               |
| General Topics & Other Methods | 2H           | 1         | 0/1                             |
|                                | <i>Total</i> | 54        | 58/3                            |
|                                | <i>Limit</i> | 58        | 58/3                            |

- Note to Area Chairs & Co-chairs**
- Check for current status, forecasting and next steps.

Note: Friday, February 23, 2024 – Deadline to Add and Finalize Sessions in Confex



## 2024 Spring Meeting

March 24, 2024 to March 28, New Orleans, LA, Convention Center

Separations Division - See Also Topical 8

### Monday, March 25, 2024

2:30 PM - 4:00 PM ⌚

2:30 PM - 4:00 PM

26 Separations Process Fundamentals

*Anand Vennavelli, Koch-Glitsch, Wichita, KS*

📍 202 (New Orleans Ernest N. Morial Convention Center)

4:30 PM - 6:00 PM ⌚

4:30 PM - 6:00 PM

46 Separations Process Fundamentals II

*Anand Vennavelli, Koch-Glitsch, Wichita, KS*

📍 202 (New Orleans Ernest N. Morial Convention Center)

6:00 PM - 8:00 PM ⌚

6:00 PM - 8:00 PM

58 Poster Session: Separations Division

*Anand Vennavelli, Koch-Glitsch, Wichita, KS*

📍 Hall B-1 (1, New Orleans Ernest N. Morial Convention Center)

## 2024 Annual Meeting Timeline

Sunday, October 27 – Thursday October 31, 2024

San Diego Convention Center, Hilton San Diego BayFront

|                                 |  |
|---------------------------------|--|
| <b>Monday, April 8, 2024</b>    | <b>Call for Abstracts Closes @ 11:59 pm</b>                      |
| <b>Friday, May 17, 2024</b>     | <b>Abstract Review Completed<br/>Send in Scheduling Requests</b> |
| <b>Friday, June 14, 2024</b>    | <b>Draft Program Available for Review</b>                        |
| <b>Friday, June 21, 2024</b>    | <b>Draft Program Changes due back from Chairs</b>                |
| <b>Friday, June 28, 2024</b>    | <b>All Invited Session Information Finalized and in Confex</b>   |
| <b>Wednesday, July 31, 2024</b> | <b>Division/Forum Award Winner Information Due</b>               |

## Next steps to complete between April 8 and May 17, 2024:

- **Reviewing Abstracts:** Reference the **abstract evaluation rubric**, which [can be found here](#)
- **Session Planning:**
  - Consolidate sessions where applicable
  - Identify if new sessions are needed and contact Seth Huggins/Issac Gamwo
  - Try to manage within division if reallocation is possible
  - Submit request to AIChE if not; Will require the following info:
    - Session title
    - Why does this topic need an additional session
    - What is the estimated attendance of this session
    - How long has the session been run
    - Does the session have an industrial focus
    - Is this session applicable to multiple divisions, forums, areas, or topical conferences
    - What would the overall group acceptance rate be with and without the added sessions

*Propose meeting at end of April/beginning of May to review and align on session plans*

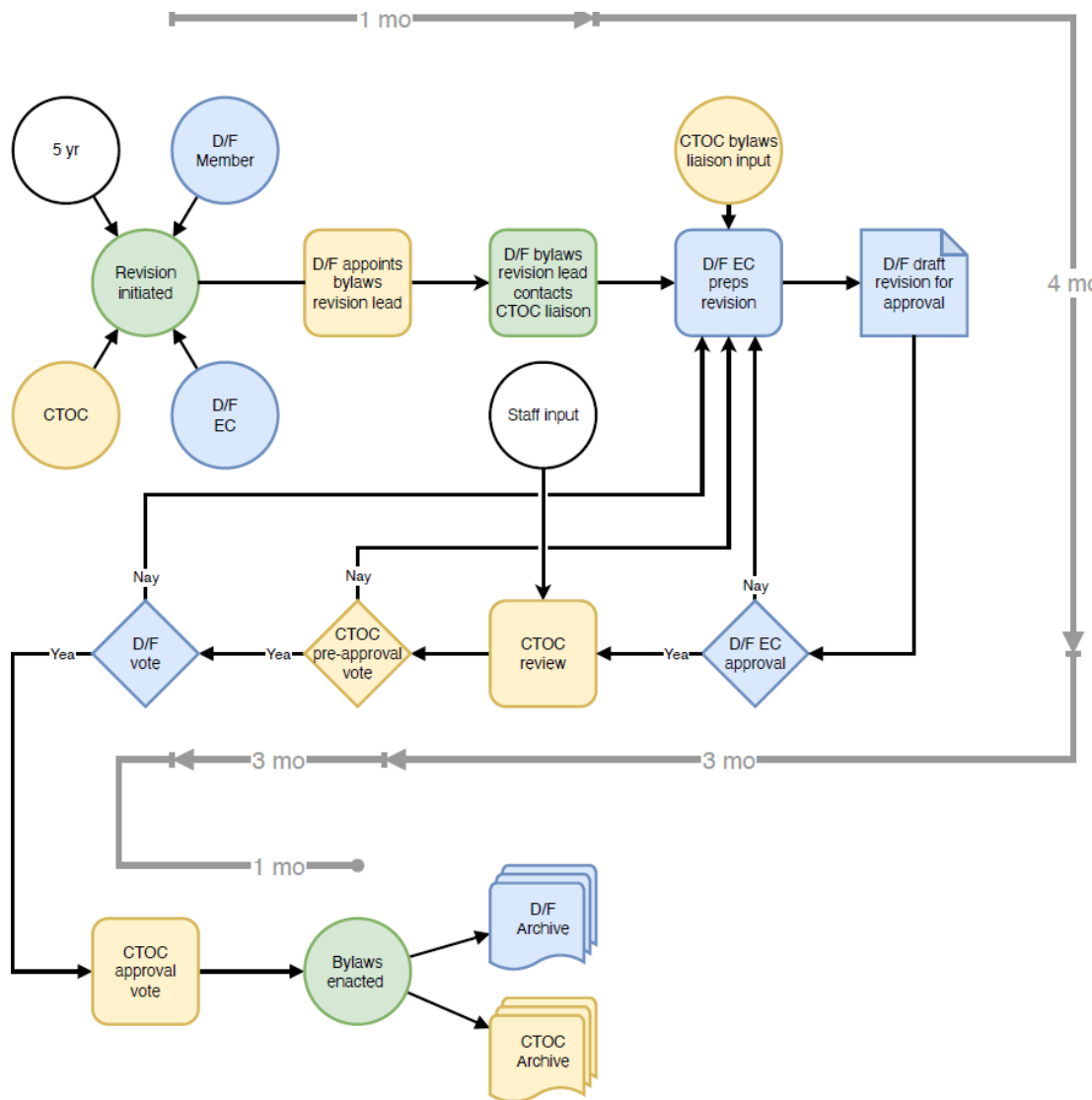
- As you select session chairs, keynotes, abstracts, and other invited positions, please keep in mind that we would like to have diversity in:
  - Gender
  - Ethnicity
  - Experience (both level of experience and academia vs industry)
  - Thought (people with contrary scientific viewpoints)
- Keeping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

## 2024 Award Responsibilities

| Award                        | Responsibility                          | Committee Chair          |
|------------------------------|---|--------------------------|
| Founders                     | Division Chair                          | Isaac Gamwo              |
| Kunesh                       | Past Division Chair                     | Seth Huggins             |
| Neil Yeoman Innovation       | Division Chair                          | Isaac Gamwo              |
| Awards Dinner                | 2nd Vice Chair                          | Haiqing Lin              |
| Education and Outreach Award | 1st Vice Chair                          | Marina Tsianou           |
| GSRA                         | Awards Director through the Area Chairs | CJ Kurth/Joshua Thompson |
| Gerhold                      | Director – Awards Team                  | Dan Summers              |

Nominations are due by **May 1<sup>st</sup>** Please announce and advertise call for nominations  
See <https://www.aiche.org/community/sites/divisions/separations/awards> for details

*Next meeting: update on nomination count and timing of May/June activities*



- ByLaws Revision Flowchart