

SEPARATIONS DIVISION
American Institute of Chemical Engineers
2023

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MINUTES

Separations Division Planning Meeting
2023 AIChE Annual Meeting, Orlando, FL

Sunday, November 5, 2023, 1:00pm – 5:00pm (EDT)
Hyatt Regency Orlando - Barrel Spring I

Attendance (via phone or Webex):

Seth Huggins	Isaac Gamwo	Marina Tsianou
Atanas Serbezov	Tarun Poddar	Alice He
Caryn Heldt	Dan Summers	Haiqing Lin
Steve Thiel	Tony Cai	CJ Kurth
Bill Phillip	Greg Cantley	Handan Tezel
Stefano Brandani	Daniel Siderius	Gerard Capellades
Jeff McCutcheon	Stephen Ritchie	Heather Chenette
Marcus Mello	Chris Burcham	Christiana Boi
Christine Duval		

Approval of Minutes from August 11, 2023 (Atanas Serbezov)

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

Action Items Updates (Seth Huggins)

See slides in the Appendix.

- “About” write ups for programming areas 2b and 2h are still needed for the Division web site.
- Award information has been updated on the Division web site.

Election Results and Introduction of New Officers (Seth Huggins)

Haiqing Lin - 2nd Vice Chair
 Josh Thompson – Director (will team up with CJ Kurth on awards)
 Heather Chenette – Director (will look into communications within the Division)
 Tarun Poddar - Treasurer
 Atanas Serbezov – Secretary

Treasurer’s Update (Tarun Poddar)

See slides in the Appendix.

Current balance is just over \$76,000. In 2022 there was an investment loss of \$11,425.

Before the end of the calendar year the Executive Committee of the Division must decide on the Division funds allocation for 2023.

Action Item: Seth Huggins to organize a follow-up meeting of the Division Council to discuss 2023 funds allocation. Tarun Poddar to contact AIChE prior to the meeting to get preliminary numbers from AIChE on the investment portfolio return on the investment for 2023.

The cost for the Division awards dinner was discussed. The dinner ticket price has been set at \$70 since 2019. The Division subsidizes the difference between the actual cost of the dinner and the ticket revenue. The awards dinner subsidy is one of the major expenses for the Division and must be kept under control.

Motion: Increase the price of the awards dinner ticket in 2024 to \$80.
Motion carried.

Awards (Haiqing Lin and CJ Kurth)

See slides in the Appendix.

More nominations are needed, especially for the Founders and Innovation awards.

Josh Thompson will join CJ Kurth on the awards team.

Awards Dinner (Marina Tsianou)

See slides in the Appendix.

Annual Meeting Sessions (Seth Huggins)

See slides in the Appendix.

The Division's allocation limit of 58 session will stay the same for 2024.

Several areas have successfully tried a "big bucket" approach by starting with a single pool of submissions based on a very broad description and then carving out individual sessions based on the actual submissions.

Areas are encouraged to pursue special sessions and topics that do not count towards the Division's allocation. The lead time for a special session is 2 years.

Area 2b is considering a name change to include "precipitation". The new name must be approved by the Division Council and communicated to AIChE.

Action Item: Area 2b to formally propose a name change for a vote by the Division Council.

Area Reports (Area Chairs)

See slides in the Appendix for details.

Division Leadership Succession (Seth Huggins)

See slides in the Appendix.

The position of Topical Conference Liaison will be closed.

Need to identify newsletter editor for 2025.

Need to identify 2024 CTOC liaison.

Division Diversity/IDEAL (Carynn Heldt)

See slides in the Appendix.

Keep diversity in mind when selecting session chairs, keynotes, honorees, and other invited and selected positions. Advertise the Division awards to diverse groups and make them as inclusive as possible.

A proposal for allowing self-nomination for all awards except Gerhold was discussed. Of specific interest were the graduate student research awards (GSRAs). The proposal for self-nominations found overwhelming support but the implementation mechanism must be worked out.

A proposal to organize a division-wide mentorship session was discussed. Possible features of the session are round table discussions and career mentoring. Corporate sponsors may be willing to provide lunch or refreshments. The session should be coordinated with the IDEAL initiative at AIChE.

Action item: Carynn Heldt will work with the awards team to add self-nomination to the awards descriptions and administration and will present a formal motion for a vote at the first online planning meeting in 2024.

Action item: Carynn Heldt will propose a new name for the “Diversity Committee” that reflects the focus on inclusivity.

Newsletter (Marina Tsianou)

See slides in the Appendix.

Newsletters are posted on the Division web site.

2023 Newsletter is published after the awards meeting.

Marina will stay through 2024. New editor will be needed for 2025 and beyond.

Separations Division Web Site (Steve Thiel)

See slides in the Appendix.

The Division can use a file sharing service to store, backup, and distribute documents and records. AIChE uses Box and can set up the Division with an account. Tony Cail knows the process.

Action item: Steve Thiel will contact Tony Cai and AIChE to set up a file sharing account for the Division that is supported by AIChE.

Interaction with Other Organizations (Toni Cai)

See slides in the Appendix.

Other Business

See slides in the Appendix.

DB Bhattacharyya award money has run out. The award will end in 2023 unless new funding is provided.

APPENDIX



Distillation & Absorption

Crystallization & Evaporation

Extraction

Membrane-Based Separations

Adsorption and Ion Exchange

Fluid-Particle Separations

BioSeparations

General Topics



Separations (SEP) Division Planning Meeting

Nov 5, 2023, 1-5PM



Distillation & Absorption

Crystallization & Evaporation

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Actions & Updates

Actions from Aug Meeting

Division website: Descriptions needed for Areas 2B, 2C, 2D, 2E, 2F, and 2H.
<https://www.aiche.org/community/sites/divisions/separations/separation-s-division-areas>

Update:

2C, David Cantu – Completed

2D, William Phillip – Completed

Action: Area chairs are asked to provide the information to Steve Thiel.

2B - Christopher Burcham

2H - Josh Thompson

Separations Division Areas

The Separations Division has eight topical areas:

- **Distillation and Absorption (Area 2A):** The Distillation and Absorption area focuses on fundamentals, processes, equipment, and control. This covers new ideas, improvements to existing applications, integration of distillation with other unit operations, and energy efficiency. [You can learn more about Area 2A here.](#)
- **Crystallization and Evaporation (Area 2B)**
- **Extraction (Area 2C):** The Extraction area focuses on solvent extraction. The need for higher extraction recoveries and selectivities requires understanding of extraction fundamentals along with developments in extraction processes and solvents. In addition to liquid-liquid separations, gas-liquid separations as well as ion and metal extraction are considered.
- **Membrane-based Separations (Area 2D):** The membrane-based separations area examines all aspects of non-biological membrane separation processes from the molecular to systems scales. The area welcomes studies that: elucidate the thermodynamic, transport, and chemical phenomena underlying the properties and performance of membrane processes; report methods for manufacturing membranes with controlled microstructures and tailored chemical functionality; describe approaches to design and optimize unit operations and integrated systems. Across scales and applications, results of physical experiments, computational simulations, and theoretical studies are welcomed for all vapor and liquid-phase processes.
- **Adsorption and Ion Exchange (Area 2E):** The Adsorption and Ion Exchange area focuses on different separation processes related to adsorption and ion exchange for gas and liquid separations. This area covers fundamentals related to different new processes and new materials used in these separations. Experimental results, as well as simulations for processes and development of new materials are welcome. Many of the separations we cover are related to the sustainability of our society such as producing renewable energy sources, carbon capture and storage, decreasing the effect of climate change.
- **Fluid-Particle Separations (Area 2F):** Particle-fluid separations address all aspects of the separation of particulate matter from fluids, from the nanoscale to the larger micro/millimeter scales. Novel separation processes or improvements to existing ones regarding energy efficiency or separation efficacy are welcome. We are interested in the theoretical and experimental design and optimization of such processes, that range across a wide number of applications in science and engineering.
- **Bioseparations (Area 2G):** Bioseparations area explores all aspects of the separation of biological molecules. We are interested in the theoretical and experimental aspects of multiple size scales from individual unit operations to full manufacturing processes. We also explore the thermodynamics, transport phenomena, and kinetics of bioseparation processes. The molecules we study range in size from nucleic acids to proteins to larger macromolecular complexes to cells.
- **General Topics and Other Methods (Area 2H)**

Actions from Aug Meeting

2023 Separations Division Award Winners

Action Item: Steve Thiel to work with the AIChE webmaster to update and correct the information on the Division web page for the [2023 Sep Div Awards](#).

- Kunesh award missing picture for Xiao Su and GSRA missing for Ee Liang Ying
- Remove Sep Div Education & Outreach award from 2022
- Possible to list all the 2023 GSRA awards on the title page

Update:

Updates from May meeting completed. Other updates noted above are in progress.

Division & Forum Awards

[Browse by Division or Forum](#)

Clarence (Larry) G. Gerhold Award



Ranil Wickramasinghe

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

Distinguished Professor, Ralph E Martin
Department of Chemical Engineering,
University of Arkansas
2023

FRI/John G. Kunesh Award

Xiao Su

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

2023

FRI/Neil Yeoman Innovation Award



Ruilan Guo

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

2023

SEP Founders Award



Scott M. Husson

Administered by: Separations Division (SEP)

2023

Separations Division Education and Outreach Award



Stephanie G. Wettstein

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

2022

Separations Division Graduate Student Research Award

Natalie Nold
Ryan Duchanois
Adam McNeeley

Xinrui Cai
Taliehsadat Alebrahim
[See All Winners](#)

Financial Update

Tarun Poddar

- **2023 updates**
- **2022 Financial report**
- **Award dinner expenses**
- **Dinner ticket price for future meetings**
- **Investment options for 2024**

- **End of third quarter balance just over \$76,000**
- **Corporate donations from Chevron and FRI received**
- **Donation from Honeywell was sent – should receive soon**
- **AIChE refunded 2022 meeting AV charges - \$2452.53**
- **Membership dues increase**
- **Investment earning in 2023 – hopefully will be much better than last year**

Financial Overview for 2022



Assets on 12/31/2021	90,301.47
Assets on 12/31/2022	72,469.89
Net Change	-17,831.58

Net receipts	4,129.48
Total disbursements	21,961.06
Net earning	-17,831.58

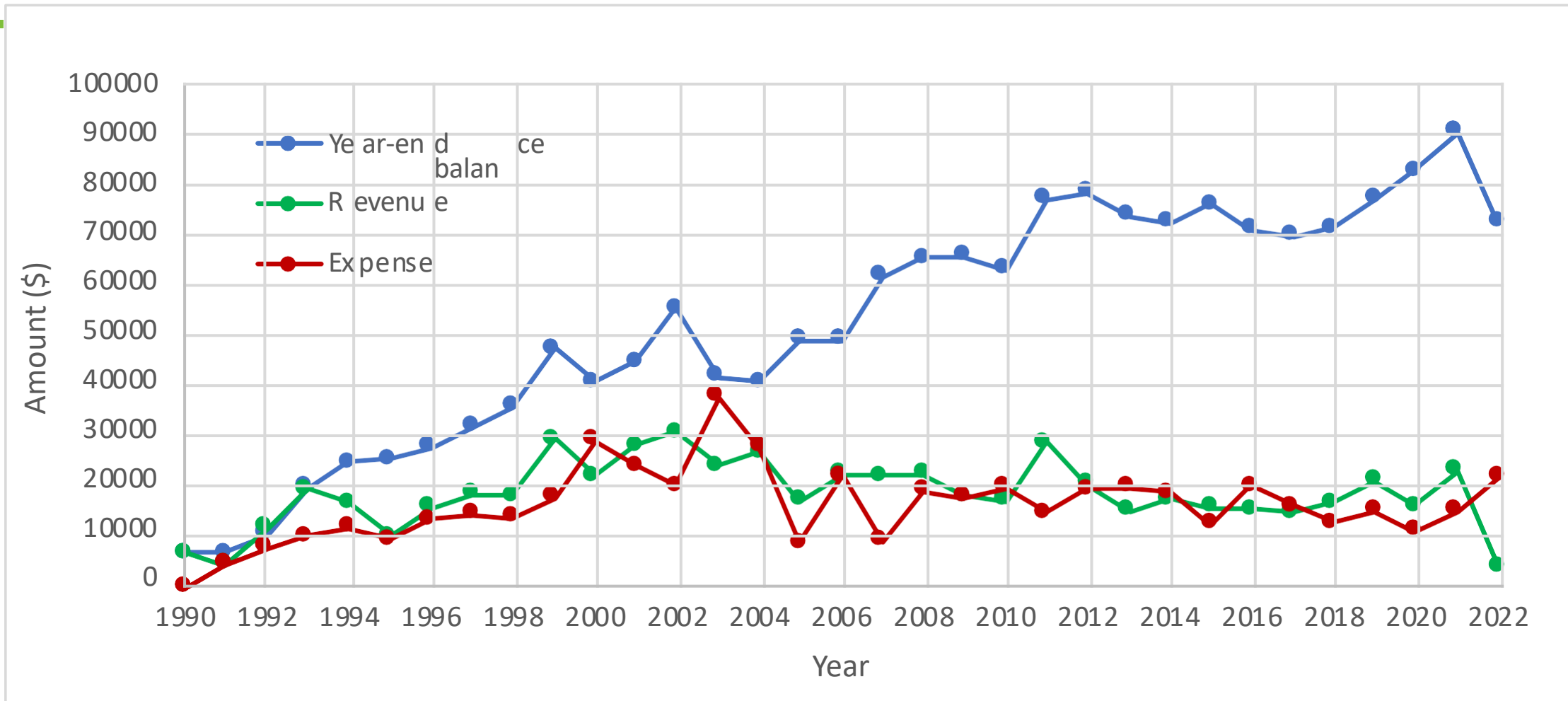
Receipts

Dues Payment	5,655
Donations from corporations	6,400.00
Investment income (loss)	(11,425.52)
Dinner ticket	3,500
Total Receipts	4,129.48

Disbursements

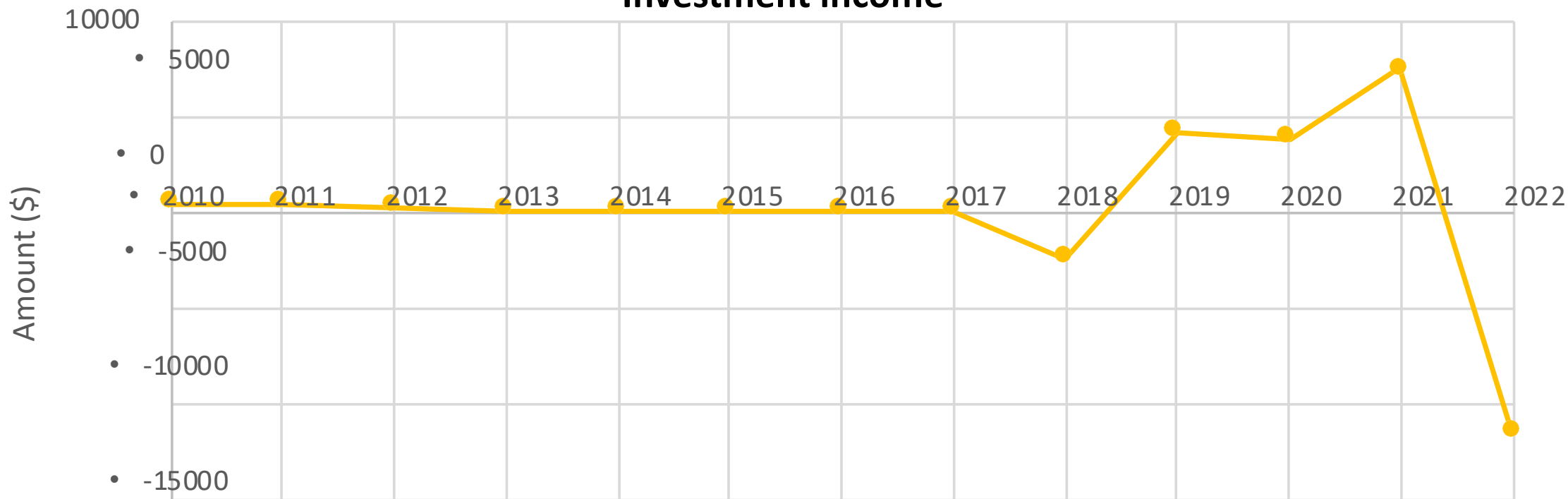
Awards –Professional	6,000.00
Awards –GRSA	1,500
Education outreach award	5000.00
Plaques and related	1,720.83
Award dinner and related	4,144.97
Annual meeting audio visual	2,452.53
Wrong allocation by AIChE	139.83
Travel and Lodging annual meeting	1002.90
Total Disbursements	21,961.06

Financial Trend Overview



Investment return

Investment income



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

Year

Investment Options for 2024

Past investment distributions

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

- ❖ Currently earning 4.1% interest on 25% of the asset (on 1/1/2023)
- ❖ 2024 interest rate will be determined based on the 1-year CD rate from Synchrony Bank on 12/31/2023
 - Could be around 5%
- ❖ Need to provide the distribution to AIChE by 12/31/2023

Past Data from Award Dinner Expenses

Year	Revenue from ticket	# of tickets	Dinner expense	Subsidized by the Division
2016	2700 (@ 60/ ticket)	45	7838.27	5138.27
2017	3000 (@ 60/ticket)	50	5430.71	2430.71
2018	3540 (@ 60/ticket)	59	3450	- 90.00
2019	3220 (@ 70/ticket)	46	4400	1180
2020	N/A	N/A	N/A	N/A
2021	2730 (@ 70/ticket)	39	5012.90	2282.90
2022	3500 (@ 70/ticket)	50	4144.97	644.97
2023	3640 (@ 70/ticket)	52	5500 (projected)	1860 (projected)
Average		49	5110.97	1765.26

2023 Awards Dinner

For Discussion: should we increase the registration fee for the dinner?

In 2023 the Division will have to subsidize the dinner >\$10 per person (with no drinks included)

Division	Dinner Cost
Sustainable Engineering Forum (SEF)	\$55
Separations Division (SEP)	\$70
Management (MGMT) & Environmental (ENV)	\$70
Process Development Division (PDD)	\$75
Education (EDU) Division	\$85
North American Mixing Forum (NAMF)	\$90
Catalysis and Reaction Engineering (CRE)	\$100
Particle Technology Forum (PTF)	\$120
Computing & Systems Technology (CAST)	\$130

Suggested Ticket Cost for Future Meetings



- Loaded cost / head : 80
- Average number of paid guests : 50
- Average number of free guests :12

- Ticket price = assumed loaded cost
- Revenue from tickets : 4000
- Total expense : 4960
- Subsidy from division (covering only free guests): 960

- Loaded cost / head : 85
- Average number of paid guests : 50
- Average number of free guests :12

- Ticket price = assumed loaded cost
- Revenue from tickets : 4250
- Total expense : 5270
- Subsidy from division (covering only free guests): 1020



Distillation & Absorption

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Awards

Hiaqing Lin and CJ Kurth

Award		Winner	Institution
Founders		Scott Husson	Clemson University
Kunesh		Xiao Su	UIUC
Innovation		<i>Ruilan Guo</i>	Univ. Notre Dame
Gerhold		Ranil Wickramasinghe	Univ Arkansas
GSRA	2A.	Xinrui Cai (Jose Bravo award)	University of Oklahoma
	2C.	Adam McNeeley	Virginia Tech
	2D.	Ryan M. DuChanois	Rice University
	2D.	<i>Taliehsadat Alebrahim</i>	University at Buffalo
	2D.	<i>Nicole Kathryn Moehring (DB award)</i>	Vanderbilt University
	2E.	Liang Ying Ee	KAUST
	2G.	<i>Natalie Nold</i>	Michigan Technological Univ.



Distillation & Absorption

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Awards Dinner

Marina Tsianou

2023 Awards Dinner

Date: Monday, November 6, 2023

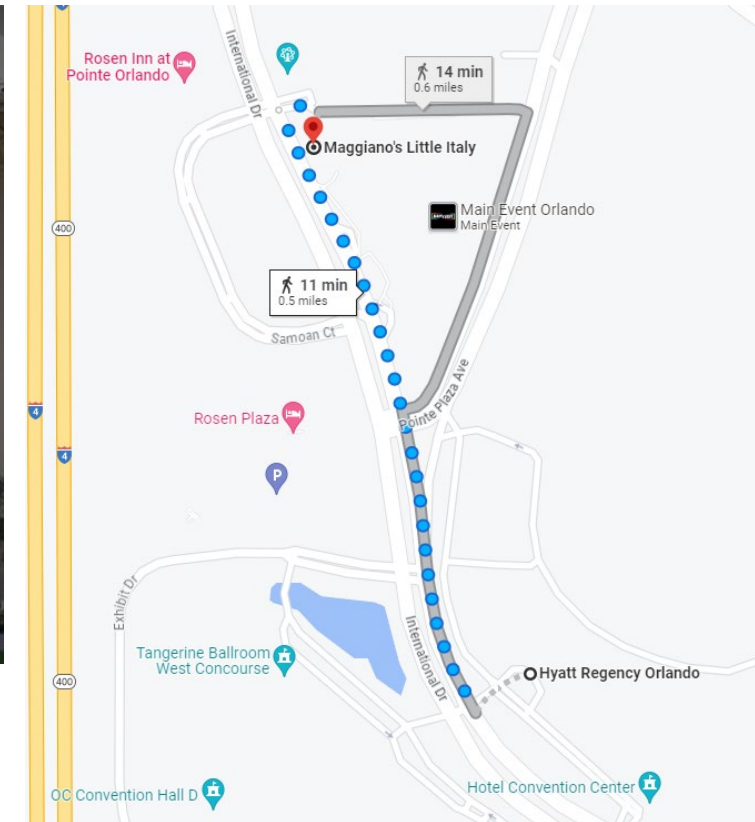
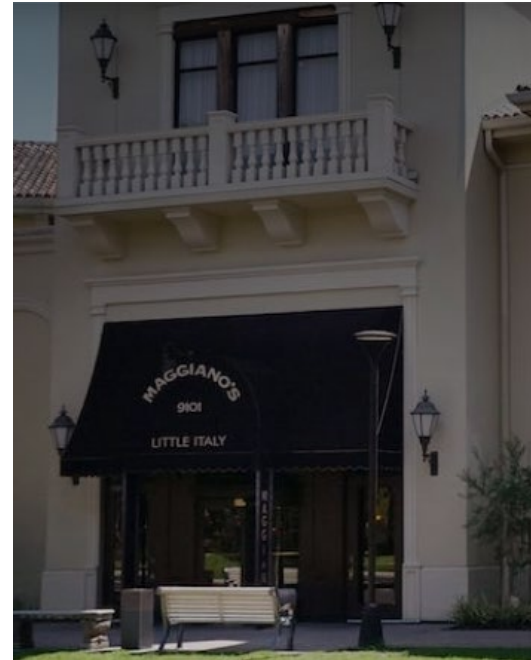
Time: 7:00 pm - 10:00 pm

Location: Maggiano's Little Italy
9101 International Dr
11 min walk from Hyatt Regency
(follow International Drive)

Registration fee: \$70.00

Number of guests: **52** registered (10/31/23)
13 awardees + guests

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



New this year: The Division had to purchase the complimentary tickets for our guests

2023 Annual Meeting Sessions

	Code	Fall 2022	2023 <i>Initial</i>	Requested	Granted	Final
Sep div	20	2	2			2
Distillation and Absorption	2A	1	1	+1	+1	2
Crystallization & Evaporations	2B	9	9 (8+1)	+3	+1	10
Extraction	2C	2	2			2
Membrane-based Separations	2D	22	17 (16+1)	+3	+2	19
Adsorption & Ion Exchange	2E	19	18	+3	+2	20
Fluid-Particle Separations	2F	2	2			2
Bio separations	2G	8	6 (8-2)			6
General Topics & Other Methods	2H	1	1			1
<i>Total</i>		66	58	10	6	64
<i>Limit</i>		58	58			



Distillation & Absorption

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Area Reports

Area 2A 2023 Report – Distillation & Absorption

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

2024 Session Planning

Spring 2024 (New Orleans)

Number of Oral Sessions (No titles necessary): **7**

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): **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 2024 Spring Meeting

Who will succeed the current Chair?

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

Area 2B 2023 Report – Crystallization and Evaporation

Area Chair: Christopher Burcham, Eli Lilly and Company
Area Vice Chair: Gerard Capellades, Rowan University

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**

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

Number of Co-Sponsored Sessions (list the co-sponsor areas): **1 – areas 03C and 12A. Co-sponsorship with PD2M is not possible**

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

-
- Request from Area 2B to rename from Crystallization and Evaporation to:
 - Crystallization and Precipitation
 - or Crystallization, Precipitation and Evaporation
 - How do we progress on this?

Area 2C 2023 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 2023 Report – Membrane-Based Separations

Area Chair: William A. Phillip

Area Vice Chair: Christine Duval

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): **19 (we used a bucket approach with some success this year so the initial request may appear lower)**

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

Number of Co-Sponsored Sessions (list the co-sponsor areas): **2 (BioSeparations is primary)**

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 a topical session on "Critical Minerals for the Clean Energy Transition" that was approved for 2024)**

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

Succession Plan

When does the current Chair's term expire?

- 2023 (this meeting)

Who will succeed the current Chair?

- Christine Duval (current Vice-Chair).

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

Area 2E 2023 Report – Adsorption and Ion Exchange

Area Chair: F. Handan Tezel, University of Ottawa
Area Vice Chair: Daniel W. Siderius, NIST

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): **18 (may need 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 2023

Who will succeed the current Chair?

- Daniel W. Siderius, NIST

Area 2F 2023 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):

Number of Poster Sessions (No titles necessary):

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

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

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):

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

Succession Plan

When does the current Chair's term expire?

- 2025

Who will succeed the current Chair?

- TBD

Area 2G 2023 Report – Bioseparations

Area Chair: Heather Chenette

Area Vice Chair: Cristiana Boi

2024 Session Planning

Spring 2024 (New Orleans)

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 2024 (San Diego)

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): **1 (with Area 2D)**

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

Succession Plan

When does the current Chair's term expire?

- November 2023

Who will succeed the current Chair?

- Cristiana Boi

Division Leadership and Succession

Seth Huggins

2024 Division Leadership – Succession of Officers

Chair	Isaac Gamwo
1st Vice Chair (2025 Chair)	Marina Tsianou
2nd Vice Chair (2026 Chair)	Haiqing Lin
Secretary	Atanas Serbezov
Treasurer	Tarun Poddar
Past Chair	Seth Huggins

2024 Division Leadership – Succession of Directors

Officer	Duration	Role
Stefano Brandani	2020-2024	
Stephen Thiel	2020-2024	Webmaster
Caryn Heldt	2021-2025	Diversity Planning Coordinator
Dan Summers	2021-2025	Gerholdaward chair
Evan Hatakeyama	2022-2026	Membership Growth Initiatives
CJ Kurth	2022-2026	Award Coordinator
Tony Cai	2023-2027	Interaction with other organizations
Steve Richie	2023-2027	

2023 Outgoing Directors

Officer	Duration	Role
Haiqing Lin	2019-2023	Awards Coordinator
Angela Lueking	2019-2023	Topical Conference Liaison

Special Appointment

Officer	Duration	Appointment
Paul Collins	2021- 2023	CTOC Liaison
Marina Tsianou	2022-2024	Newsletter editor

Haiqing will become 2nd vice-chair, Need for additional director to partner with CJ as Awards Coordinator

The office for Topical Conference Liaison is open

Need to identify newsletter editor for 2025

2024 CTOC officer TBD

2024 Area Chair Succession

Area	2023 Chair	2023 Vice Chair	2024 Chair	2024 Vice Chair
2A Distillation & Absorption	Greg Cantley	Izak Nieuwoudt	Greg Cantley	Izak Nieuwoudt
2B Crystallization & Evaporation	Christopher Burcham	Gerard Capellades	Christopher Burcham	Gerard Capellades
2C Extraction	David Cantu	George S. Goff	David Cantu	George S. Goff
2D Membrane-Based Separations	William Phillip	Christine E. Duval	Christine E. Duval	TBD at Area Planning Meeting
2E Adsorption & Ion Exchange	Handan Tezel	Daniel Siderius	Daniel Siderius	TBD at Area Planning Meeting
2F Fluid-Particle Separations	Jenifer Gomez Pastora	Seyi Oduyungbo	Jenifer Gomez Pastora	Seyi Oduyungbo
2G Bioseparations	Heather Chenette	Cristiana Boi	Cristiana Boi	TBD at Area Planning Meeting
2H General Topics & Other Methods	Josh Thompson	Stephen Ritchie	Stephen Ritchie	TBD at Area Planning Meeting

Diversity initiatives for Division 2

Caryn Heldt

Michigan Technological University



Diversity Committee Report

- Summary of last years discussion
- Recommendations and action items take by the committee this year
 - Awards
 - Selection of speakers, session chairs, keynotes, etc
 - Session for next year
 - Committee name
 - IDEAL activities to attend at AIChE this year

- Last year we discussed the need for data on diversity
 - We are unable to get this data
- In lieu of data, how do we make our programming as inclusive as possible?
 1. Keep diversity in mind when selecting session chairs, keynotes, honorees, and other invited and selected positions
 2. Have our award process be advertised to a diverse group and make it as inclusive as possible

Awards

- Suggested to allow self-nomination for everything except the Gerhold award
 - The Gerhold award already has a large number of nominations and a diverse pool
 - Suggested language for all but the Gerhold award
 - Self-nomination is encouraged, and letters of support can be sent separately.

- 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

Division Wide Session to Mentor Others in the Division

- Have mentoring sessions at annual meeting
 - Have diverse speakers give technical talks
 - Have round table discussions and career mentoring
 - Invite diverse groups within AIChE
 - Introduction to the Division

Committee Name

- Diversity committee does not describe what we are doing
- We are striving for equity and inclusion
 - Option: Inclusivity committee



IDEAL activities



- IDEAL Featured Session: A Conversation on Equity, Diversity, and Inclusion
 - Mon. Nov 6 - 3:30-5pm
 - Plaza International Ballroom G/H (Convention Level, Hyatt Regency Orlando)
- IDEAL Reception
 - Mon. Nov 6 – 5:30-7pm
 - Windermere Ballroom Foyer (Hyatt Regency Orlando)
- IDEAL Discussion Panel for the 8B Community
 - Wed. Nov 8 – 2-3pm
 - Celebration 5 (Convention Level, Hyatt Regency Orlando)



Distillation & Absorption

Crystallization & Evaporation

Extraction

Membrane-Based Separations

Adsorption and Ion Exchange

Fluid-Particle Separations

BioSeparations

General Topics



Newsletter

Marina Tsianou

Current Contents

- Words from the Division Chair
(Division news, meeting/programming news, membership, etc.)
- AIChE Annual Meeting Info
- AIChE Engage
- Division Awards
(award recipients, bios, photos, prior recipients)
- Graduate Student Research Awards
- Education & Outreach Award
- Division and Area Recognitions
- Election Results
- Division Leadership and Program Area Chairs/co-Chairs
(list of the Officers, Directors, Area Chairs & co-Chairs)

The Newsletter



The image shows the cover of the AIChE Separations Division Newsletter for 2022. The top left features the SEP logo and the text 'AIChE Separations Division Newsletter 2022'. The main content area is titled 'Words from the Division Chair' and includes a photograph of the chair, along with introductory text and a table of contents.

Words from the Division Chair

First, I would like to thank everyone who contributed their time and effort to the Separations Division in 2022. Your dedication has enabled our [Division](#) to serve as a platform for sharing our knowledge, for supporting each other, and for building a strong community around the field of separations technologies. It is empowering that today we are still able to uphold the founding leaders' vision for the Separations Division, stated 32 years ago as "a focal point for all Institute activities in separations, including furthering the significance of separations within the chemical engineering profession, and providing much needed interaction and communication among chemical engineers in the field."

Through nearly three years of living with the COVID pandemic, our [Division's](#) performance remains strong. Despite an initial dip in our membership at the start of the pandemic, our membership numbers in 2022 have shown promising signs of growth. We have additionally maintained strong financial status, thanks to our officers' responsible stewardship of our resources, good investment decisions, and our treasurer Tarun Poddar's excellent guidance.

We have continued to host strong technical programs that enrich technical learning, communication, and networking both within and beyond our [Division's](#) community. In 2022, our Distillation Symposium at the Spring conference ran from Monday through Thursday, marking our [Division's](#) first fully in-person symposium since the start of COVID-19 pandemic. During the Fall conference, our [Division](#) hosted a remarkable total of 66 technical sessions. I applaud our eight technical area chairs and vice chairs for their tremendous dedication to organizing and planning these sessions.

We were especially amazed by the strength of candidates this year for our [Division's](#) five prestigious awards. Our awardees represent a group of highly recognized and accomplished professionals in the Separations technology field. Congratulations to this year's awardees:

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The Newsletter

Upcoming and Future Newsletters What else to include?

- Brief messages from the Division Secretary and Awards Chair (and/or others?)
- Highlights from the Annual Meeting
(major highlights from the Annual Meeting, symposia, sessions per area, etc.)
- Highlights from the Annual Awards Banquet
- Upcoming Events and Deadlines (awards, symposia)
- Various AIChE Awards received by Division Members
- Include acknowledgement and logos of sponsors in the last page

News or other information to share?

Send a message to **Marina Tsianou** mtsianou@buffalo.edu



Distillation & Absorption

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BioSeparations

General Topics



Division Website

Stephen Thiel

University of Cincinnati

Stephen.Thiel@uc.edu or thiels@ucmail.uc.edu

513-708-0594

- **Area Descriptions Mostly Complete**
 - Send Update Info to Steve Thiel
 - Extended Descriptions are Possible! (Area 2A)
- **Currently Making Some Corrections to Awards Area (National Controls Awards Page)**
- **Other Content – Approved Meeting Minutes, Newsletter**
- **What Other Content?**
- **What Would Make Site Easier to Navigate?**

Interactions with Other Organizations

Tony Cai

Interactions with Other Organizations

- One joint webinar planned with Fractionation Research Inc and Separation Division in 2024
- Collaboration discussions with European Federation Chemical Engineering Working Party on Fluid Separations
 - We are exploring the possibility of working together in the areas such as: Promoting awards of Separations Division in Fluid Separations platform, Having Members of Separations Division attend their webinars on various topics on separation etc.



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Other Business

Other Business

- Change of title/description for Sep Div Plenary
 - Division Plenary: Gerhold and Kunesh Awards on Separations
 - This division's plenary session started when the division only gave out the Gerhold award and later Kunesh awards. Therefore, the name of the session is as it is today.
- DB Special GSRA award – anonymous donor funded. Funding is at/near end. Award will be concluded unless new funding is donated.