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American Institute of Chemical Engineers

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MINUTES

Separations Division Planning Meeting
American Institute of Chemical Engineers
2018 AIChE Annual Meeting, Pittsburgh, PA

Sunday, October 28, 2018 – 1:00 PM to 4:00 PM
Pennsylvania West Meeting Room (Westin Convention Center Hotel)

Attendance:

Roger Whitley
Atanas Serbezov
Anand Vennavelli
Marina Tsianou
Seyi Oduyungbo
Dan Summers
Nick Merchant
Mahdi Malmali
Caryn Heldt

Marcus Dutra e Mello
Mark Davis
Megan Donaldson
Isaac K. Gamwo
Haiqing Lin
Seth Huggins
Stephen Ritchie
Jeff McCutcheon
Thomas Vetter

Ranil Wickramasinghe
Tarun Poddar (via Skype)
Lauren Greenlee
Paul Scovazzo
Angela Lueking
Stefano Brandani
Joshua D. Howe
D.B. Bhattacharyya
Joshua Thompson

Approval of Minutes from the May 11, 2018 Online Meeting (Atanas Serbezov)

A motion to approve the minutes as distributed by e-mail was seconded and passed by acclamation.

Election Results and Introduction of New Officers (Roger Whitley)

Anand Vennavelli - 2nd Vice Chair
Haiqing Lin – Director
Angela Lueking - Director
Neil Yeoman - Treasurer.
Atanas Serbezov – Secretary

CTOC Update (Ranil Wickramasinghe)

See slides in the Appendix

Treasurer's Report (Tarun Poddar)

See slides in the Appendix for details.

The financial health of the Division is good. For a number of years now income and expenses are fairly balanced with the year-end balances between \$70,000 and \$80,000. Half of the income is from membership dues. This income has been fairly stable, an indication that membership has stayed stable as well. Most of the expenses are related to awards.

Action Item: In 2019 provide a more detailed breakdown of the awards dinner expenses.

In 2018 25% of the Division funds were allocated in a CD option offered by AIChE and 75% in the AIChE's investment portfolio.

Action Item: Before the end of 2018 the Division leadership needs to decide on Division funds allocation for 2019.

Separations Division Awards Dinner Update (Ranil Wickramasinghe)

The Division's awards dinner will be held off site at Carlton Restaurant (11 minute walk from the Convention Center). Off-site awards dinner logistics are easier and allow more flexibility. The Division needs a credit card to better handle the payments to the off-site venues.

Action Item: Tarun Poddar will request a credit card for the Division from AIChE.

Director Reports: Awards (Anand Vennavelli)

See the slides in the Appendix.

More nominations for the Graduate Student Research awards are encouraged. Nominations are also encouraged for the Founders award.

The winners of the Gerhold and Kunesh awards are typically invited to give talks in the Division's plenary session at the annual meeting. This invitation should be extended to the winners of the Innovation award as well.

Action Item: Invite all Innovation award winners to give a talk in the Division's plenary session at the 2019 Annual meeting in Orlando, FL.

Director Reports: (Isaac Gamwo)

The inaugural Division plenary session on Major Separations Challenges will take place on Tuesday, October 30 with four speakers. A repeat of this session is planned for 2019. Isaac Gamwo welcomes suggestions for invited speakers.

Director Responsibilities: (Roger Whitley)

Roger encouraged Division directors to find their passions and take ownership. Below are some of the current Division's initiatives that can utilize director leadership:

- Topical conference coordinator / liaison
- Reinstating poster awards at Annual meetings
- Engaging and communicating with the Division members and the Separations community

Area Reports (Roger Whitley, Area Chairs)

See slides in the Appendix

There was a suggestion to combine the Division poster session and Area 2h (General Topics) poster session into one poster session owned by area 2h.

There was a discussion on Topical conferences. Organizers of Topical conference rarely reach out to the Division, even though many of the Topical conferences include separations at their core. Currently there is no requirement for Topical organizers to communicate with related divisions. The Division leadership proposed such requirement at the meeting of the Executive Board of the Program Committee (EBPC). In the meantime, the Division interest will be served well if one of the Directors assumes responsibility for Topical conference coordinator / liaison. In this role the Director will proactively communicate with Topical conference organizers and solicit Topical proposals from the Division.

Programming Plans (Roger Whitley)

See slides in the Appendix

The Division has been allocated 58 oral sessions for the 2019 Annual meeting in Orlando, FL. Roger will be communicating with the Area chairs to ensure that the Division quota is not exceeded.

New Business: ExxonMobil's Corporate Strategic Research 50th Anniversary (Roger Whitley)

ExxonMobil's Corporate Strategic Research group is interested in organizing two sessions in honor of their Corporate Strategic Research (CRS)'s 50th anniversary at the 2019 AIChE Annual Meeting. The general idea is to celebrate past and future ExxonMobil through forward-looking topics and technical talks highlighting the rigor of ExxonMobil's fundamental research portfolio in the areas of separations and catalysis and reaction engineering. The talks would be invited and high-level.

AIChE has agreed to give Separations and Reaction Engineering Divisions the two oral sessions (one for each Division). ExxonMobil will be managing all contributions. ExxonMobil only asks the sessions to be scheduled with minimal topic overlap.

New Business: Using AIChE Engage to Better Serve Members (Roger Whitley)

The Division currently uses two platforms to communicate with and serve members: the Division web site (managed by Megan Donaldson) and LinkedIn (managed by Marcus Mello). The Division web site is mainly for storing content and occasional announcements. It is inflexible and difficult to update. The LinkedIn Separations Division group is used for notices and some discussion but has only 165 members.

AIChE Engage is a fairly new platform with Web and App interfaces. Options exist to set up private groups, such as for Division and Area levels. The Council of Division & Forum Officers (CDFO) has published a youtube video with more details on utilizing Engage: <https://www.youtube.com/watch?v=seiSYTHVggs&feature=youtu.be>

It was suggested that the Division should evaluate AIChE Engage for its potential use as a platform to communicate with members. In a related context, the Division needs to decide how many communication platforms should be maintained. This is a project that can use Director leadership.

New Business: Continuation of Division's Newsletter (Roger Whitley)

The 2017 newsletter is almost complete but needs a column from the 2017 Division chair. The preparation of the 2018 newsletter will begin after the completion of the 2018 Annual meeting.

Action Item: Marina Tsianou will work with Megan Donaldson and the Division chairs (past, current and incoming) to complete and publish on the web site the 2017 and 2018 newsletters.

Other Business: AIChE E-Mailing List for the Division (Roger Whitley)

During the Division elections, it was found out that several Division officers who have paid their Institute and Division dues for 2018 were not on the AIChE distribution email list.

Action Item: Atanas Serbezov will follow up with AIChE on how the Division membership lists are maintained and updated by the Institute.

APPENDIX

CTOC Update

Strategic Plan Update

- Tailor technical sessions to interests
- Global focus
- Increase offerings: classes, funding, workshops, education
- Enhance academic curriculum, body of knowledge, prepare undergraduates for future careers

Division & Forum Activity Reports – Overview and Initial Impressions

- Annual meeting refresh survey 2017
- Less than 5% response rate
- 70% think annual is OK, not great
- Meeting is mainly for networking, presenting. Not really for learning/listening
- Most people want 3-5 day meeting
- Please respond to 2018 survey, need more than 5 % response rate
- Continued pressure to reduce sessions, and reassign sessions

YPC Update

- Some divisions have a YPC on their board
- Request for content and engagement, e-mail: YPC@aiche.org e.g. YPC is looking for divisions and forums interested in inclusion in the YP newsletter, sponsoring a YP event



CTOC Update

EBPC Survey Results and Discussion

Can we articulate our value proposition?

Should we offer 'free' membership for 1st year YPs?

RAPID

- Sustainability plan being developed
- There are RAPID related events
- Two RFPs, 2017 funded over 20 projects, 2018, funding 8
- Fill 'gaps' in 2019 (Pharma, Agricultural sector etc.
- Seeking to work with divisions and forums as topically appropriate, please contact Bill Grieco willg@aiche.org

Strategic Plan

How can we break away from the current division and forums to address broad topics, can we do more than reallocate sessions?

What it means to convert to ITGs today

Discussion on Divisions, Forums and ITGs, how to we engage members and evaluate these entities

Foundation Grant Program

The current cycle is still open, but closes December 1



Treasurer's Report

Financial Summary

Separation Division

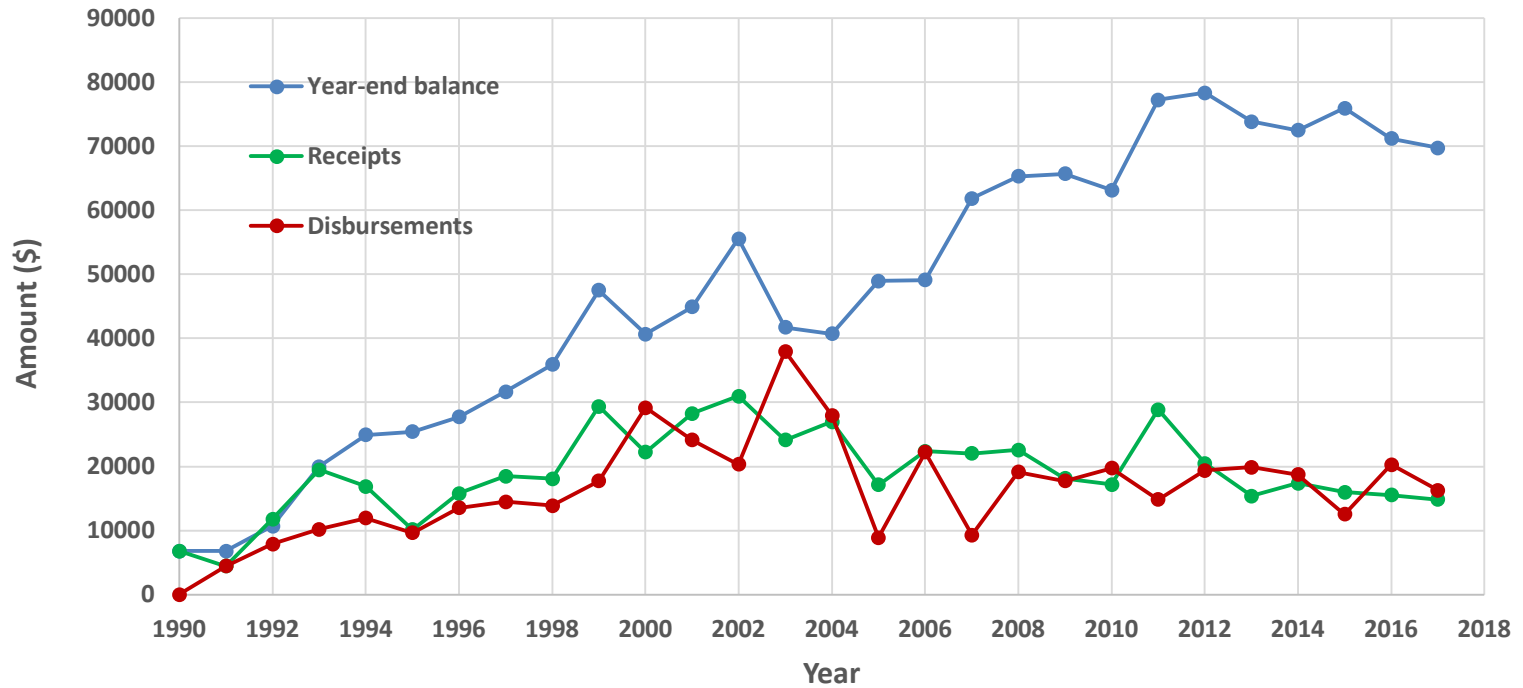


Treasurer's Report

Assets on 12/31/2016	71183.65	
Assets on 12/31/2017	<u>69712.95</u>	
Net Change	-1470.70	
<u>Receipts</u>		
Dues Payments	7290.00	486@ \$15.00
Investment income	149.81	
Awards Dinner revenue	3000.00	50@ \$60.00
Donations for Kunesh Award	1200.00	From FRI
Donations for Gerhold Award	<u>3200.00</u>	From UOP
	14839.81	
<u>Disbursements</u>		
Gerhold Award	3000.00	
Kunesh Award	1000.00	
Bhattacharyya (DB) Award	300.00	
Graduate student research awards	1400.00	For 7 @ \$200.0
Founders award	1000.00	
Rapid fire awards	1000.00	500, 300, 200
Awards dinner	5403.71	
Plaques and related	1600.00	
YP mixer donation	500.00	
T&L costs for leaders	799.04	
A/V cost for the annual meeting	<u>307.76</u>	
	16310.51	
Assets as of 12/31/2017		
Held by AIChE	67212.95	
TD bank checking account	<u>2500.00</u>	
	69712.95	

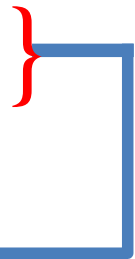


Financial trend overview



Financial overview for 2017

Assets on 12/31/2016	71,183.65
Assets on 12/31/2017	69,712.95
Net Change	-1,470.70

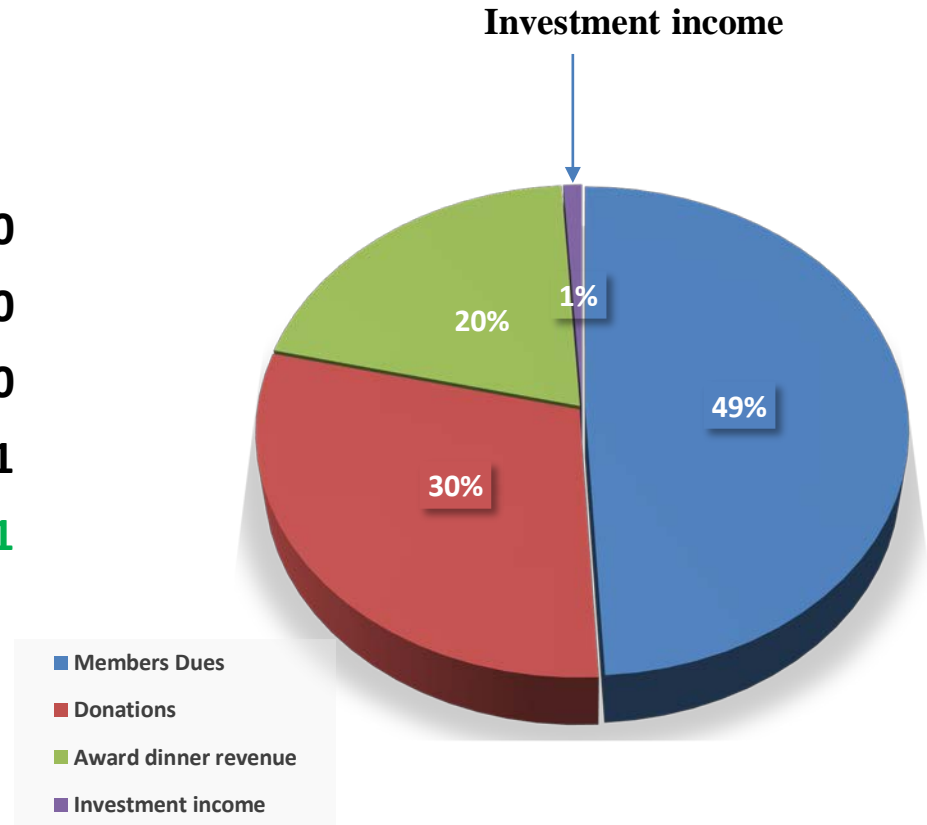


Total Receipts	14,839.81	Held by AIChE	67,212.95
Total Disbursements	16,310.51	TD Bank Checking Account	2,500.00
Net Earning	- 1,470.70	Total	69,712.95



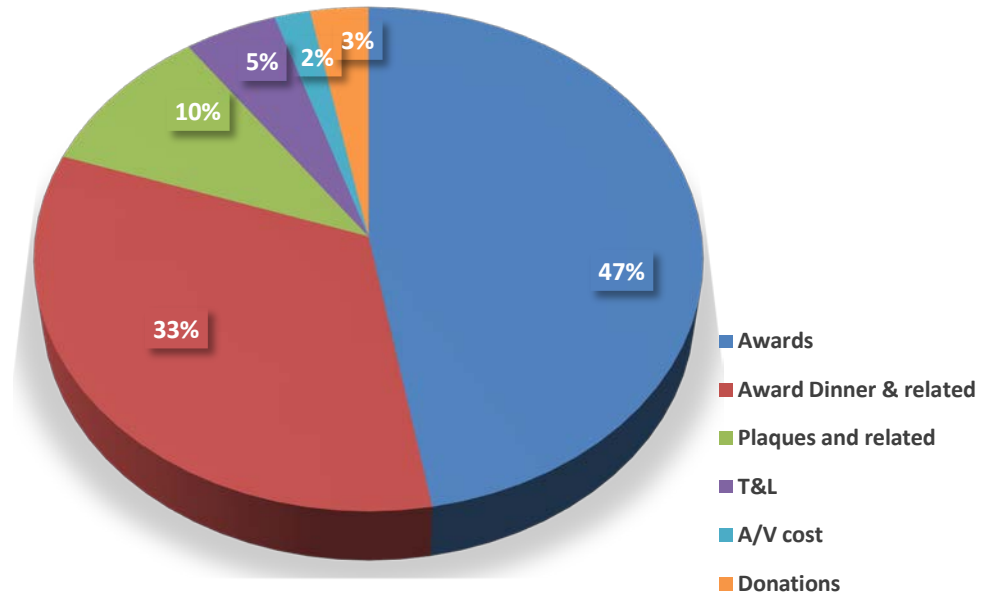
Receipts details for 2017

Members Dues	7,290.00
Donations	4,400.00
Award dinner revenue	3,000.00
Investment Income	149.81
Total Revenue	14,839.81



Disbursements details for 2017

Awards	7,700.00
Award Dinner & related	5,403.71
Plaques and related	1,600.00
T&L	799.04
A/V cost	307.76
Donations	500.00
Total	16,310.51



Investment Performance Through September

Separations Division investment performance expected for 2018					
Average fund balance to date			<u>\$71,000</u>		
			Fund		2018
			Balance	Estimated	Expected
			Allocation	Rate	Interest
25% to CD			17,750	0.50%	89
75% to Permanent Fund			53,250	1.98%	1,054
Expected return (as of September 30)					<u>1,143</u>



SEPDIV Awards Report

2018 Fall Meeting

Pittsburgh, PA

Anand Vennavelli

2018 Award Responsibilities

	Responsibility	Committee Chair
Founders	Division Chair	No Nominations
Kunesh	Past Division Chair	Mark Davis
Innovation	Division Chair	Roger Whitley
Education and Outreach	2 nd Vice Chair	No nominations
Awards Dinner	2 nd Vice Chair	Ranil Wickramasinghe
GSRA	Awards Director facilitates thru Area Chairs	Anand Vennavelli
Gerhold		Paul Bryan

Awards Director copied on all nominations in 2018
– made it easier to keep track of nominations,
nominators, and award communications



2018 Division Awards

- Gerhold Award
 - Urmila Diwekar (Vishwamitra Research Institute)
- Kunesh Award
 - Ryan Lively (Georgia Tech)
- Innovation Award
 - Rob McGinnis (Mattershift)



2018 Area Recognitions

- Orlando (Spring Meeting)
 - Andrew Sloley (Distillation and Absorption)
- Pittsburgh (Fall Meeting)
 - Doraiswami Ramkrishna (Crystallization & Evaporation)
 - Tai-Shung (Neal) Chung (Membrane Based Separations)
 - Peter Monson (Adsorption & Ion-Exchange)



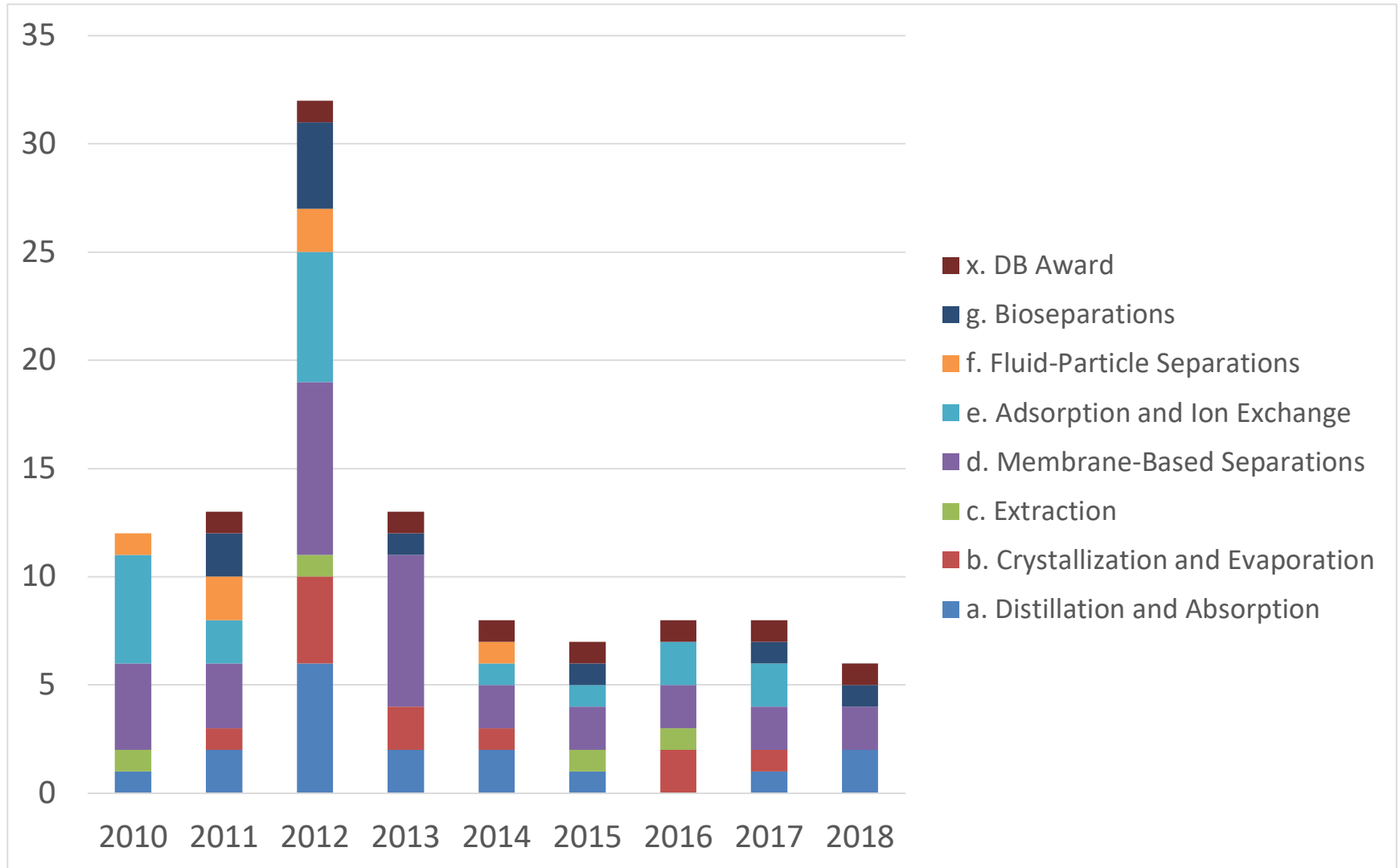
2018 Graduate Student Research Awards

- Recipients chosen by Area Chairs: 2 max

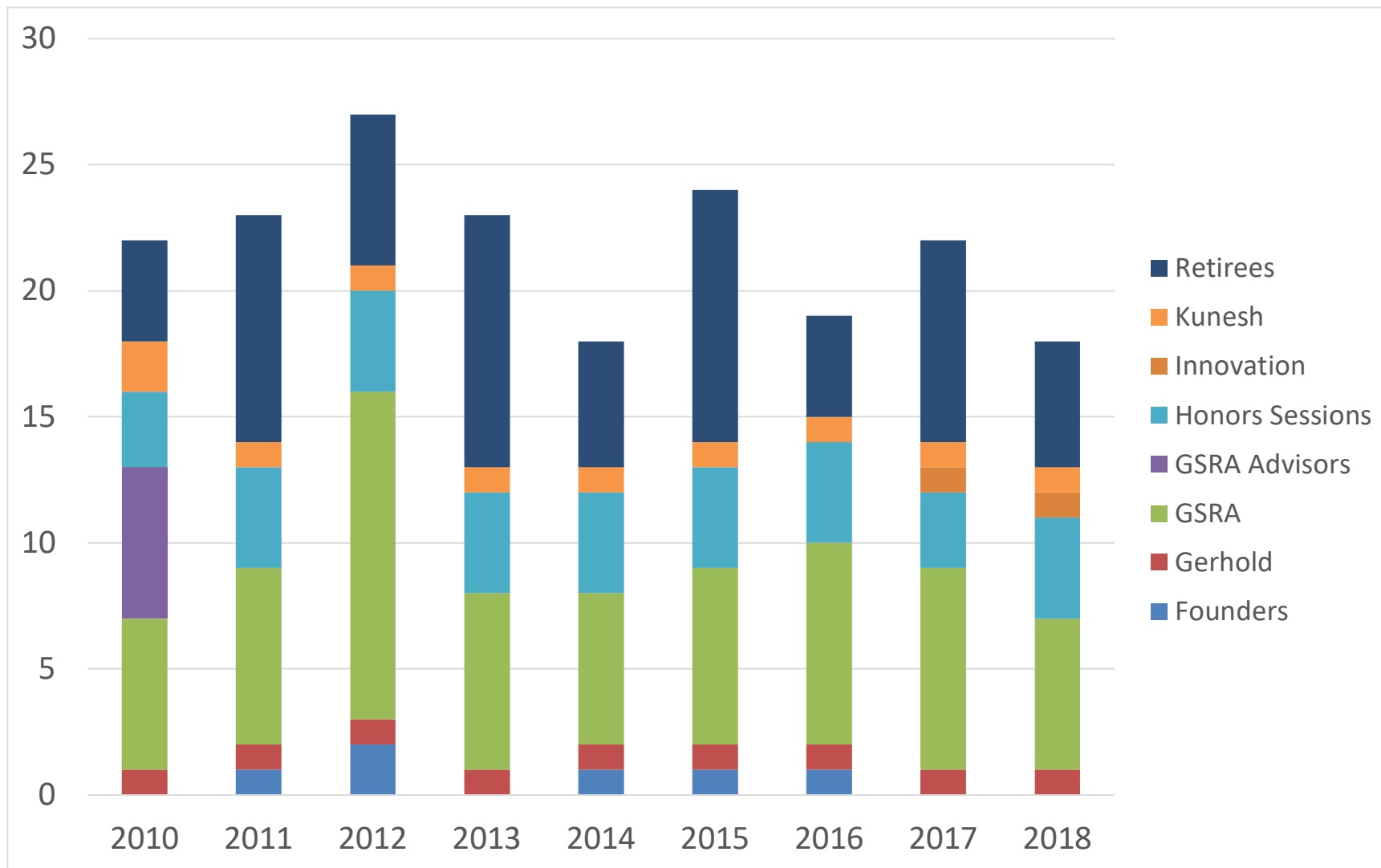
Name	Advisor	University	Area
Zheyu Jiang	Rakesh Agrawal	Purdue	2a – Distillation and Absorption
Jingsong Zhou	Ross Taylor	Clarkson	2a – Distillation and Absorption
Yang Han	Winston Ho	Ohio State	2d – Membranes
Andrew Colburn	Dibakar Bhattacharyya	Univ. of Kentucky	2d – Membranes
Lingxiang Zhu	Haiqing Lin	Univ. of Buffalo	2d – DB Membranes
Sidharth Razdan	Barua Satapa	Missouri Univ. of Science and Tech.	2g – Bio Separations



GSRA



Plaques



Awards Director Succession

- Anand Vennavelli
 - Retiring in 2018
 - Available to assist
- Seyi Odeuyungbo
 - Copied on all award communications in 2018
 - Taking over in 2019



Director reports – Isaac Gamwo

- Inaugural Division Plenary Session on **Major Separations Challenges (Invited Talks)**
Tuesday October 30, 2018, 12:30-3:00 PM
Session **333 – DLCC-305**

Planned 3 invited speakers to cover the topic from the academic, industry, and consultant perspectives

Actual 4 speakers from academia and industry to share Challenges and Opportunities in Separations

1. (Invited) Dr. Wallace Leung – Hong Kong Polytechnic University – over 40 years' experience in industry and academia (**Challenges and opportunities of nano-aerosol filtration using nanofiber filter**)
- 2. (Invited) Dr. Wu Chen – The Dow Chemical Company (**The Advancement and Challenges of Solid/Liquid Separation in the Process Industry**)
3. (Invited) Dr. Andrew Zydney, PSU (**Current Applications and Future Opportunities in Membrane Technology in Bioprocessing**)
4. (Submitted) Dr. Madhi Malmali, Texas Tech University – Research focus on designing better separation processes to deal with challenges and opportunities of the water-energy-food nexus. (**Replacing Phase Changing Separations: Revising Ammonia Manufacturing**)

- **2019 AIChE Fall Meeting in Orlando**
Second Plenary Session on Major Separations Challenges in Industry
Speakers needed
Contact: gamwo@netl.doe.gov



Separations Division Area Reports



Separations Division Area 2a
Distillation & Absorption Update

D. R. Summers | October 28, 2018

Spring 2018

- **Orlando Spring Meeting 2018**
 - Oral Sessions = 4
 - Poster Sessions = 0
 - Special Sessions = 4 in the Distillation Symposium
 - Co-sponsored Sessions = 2, 1 with YP and 1 with F&PD
 - Honors Session = 1, Honoree was Andrew Sloley

Please note: One whole session was dedicated to Distillation Tower Entry Safety



Of Special Interest

- **IchemE's D&A 2018 meeting in Florence Italy - September 2018 (once every 4 years)**
 - **Papers submitted = 254**
 - **Oral presentations given = 60***
 - **Posters Presented = 93**
 - **Rejected Papers = 101**
 - **Attendees = ~300**

***two parallel sessions given over 3 days**



Fall 2018

- **Pittsburgh Fall Annual Meeting 2018**
 - Oral Sessions = 2
 - Poster Sessions = 0
 - Special Sessions = 0
 - Co-sponsored Sessions = 0
 - Honors Session = None



Spring 2019

- **New Orleans Spring Meeting 2019**
 - Oral Sessions = 9
 - Poster Sessions = 0
 - Special Sessions = 7 in the “Kister Distillation Symposium”
 - Co-sponsored Sessions = 2, 1 with YP and 1 with F&PD
 - Honors Session = 1, Honoree was F. Greg Shinskey



Fall 2019

- **Orlando Fall Annual Meeting 2019**
 - **Oral Sessions = 2**
 - **Poster Sessions = 0**
 - **Special Sessions = 0**
 - **Co-sponsored Sessions = 0**
 - **Honors Session = 1, TBD**



Spring 2020

- **Houston Spring Meeting 2020**
 - Oral Sessions = 5
 - Poster Sessions = 0
 - Special Sessions = 4 in the Distillation Symposium
 - Co-sponsored Sessions = 1 with YP
 - Honors Session = 1, Honoree TBD

Dan Summers is Chair until end of meeting 2018

Vice Chair today is Andrew Sloley who will be chair until end 2020



Area 2B – Crystallization and Evaporation

AIChE Area 2B Report – October 2018

Area Chair: Seth Huggins, Amgen Inc.

Area Vice Chair: Thomas Vetter, University of Manchester



2019 Sessions

Spring 2019 (New Orleans) - **No sessions planned for Spring 2019**

- 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 2019 (Orlando) - **Final number will be determined at the area planning meeting**

- Number of Oral Sessions (No titles necessary): **10**
- Number of Poster Sessions (No titles necessary): **0**
- Number of Co-Sponsored Sessions (list the co-sponsor areas): **6**

Areas: 01A; 03; 03A; 10B; 12A; 15B; 26

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

Area 2B Crystallization and Evaporation Plenary Session: Invited Speakers



2020 Sessions

Spring 2020 (Houston) - **No sessions planned for Spring 2020**

- 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 2020 (San Francisco) - **Final number will be determined at the area planning meeting**

- Number of Oral Sessions (No titles necessary): **10**
- Number of Poster Sessions (No titles necessary): **0**
- Number of Co-Sponsored Sessions (list the co-sponsor areas): **6**

Areas: 01A; 03; 03A; 10B; 12A; 15B; 26

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

Area 2B Crystallization and Evaporation Plenary Session: Invited Speakers



Succession Plan

When does the current Chair's term expire?

- **Seth Huggins, Amgen Inc.; term expires in November 2019.**

Who will succeed the current Chair?

- **Dr. Thomas Vetter, University of Manchester, the current area vice-chair, will take over as chair in November 2019. Elections for a new vice-chair will occur at AIChE 2019 Fall planning meeting of Area 2B.**



Area 2c Extraction Report

- George Goff, Area Chair, emailed an update, but is currently travelling
- Vice-Chair is currently open, due to Glenn Shiveler's recent passing.
- People interested in volunteering in 2c, please contact George at georgeg@lanl.gov
- Has 3 sessions in Pittsburgh
- Would like 4 sessions for Orlando



Area 2D Business Meeting

Membrane-based Separations

Chair: Haiqing Lin

Vice-Chair: Mahdi Malmali

6:00 PM - 7:30 PM

Tuesday, October 30, 2018

David L. Lawrence Convention Center, 304



Pittsburgh Meeting Programming

Summary for Area 2D

Sponsorship	Number of sessions	Number of presentations
Primary only, no co-sponsorship	21	147
Co-sponsoring with other areas	2	14
Total	23	161

Program features:

147 talks in primary sessions

3 honorary sessions (primary)

1 invited session (High Selectivity Separations)

TED-SEP Rapid Fire Session

Separations Division Poster Session

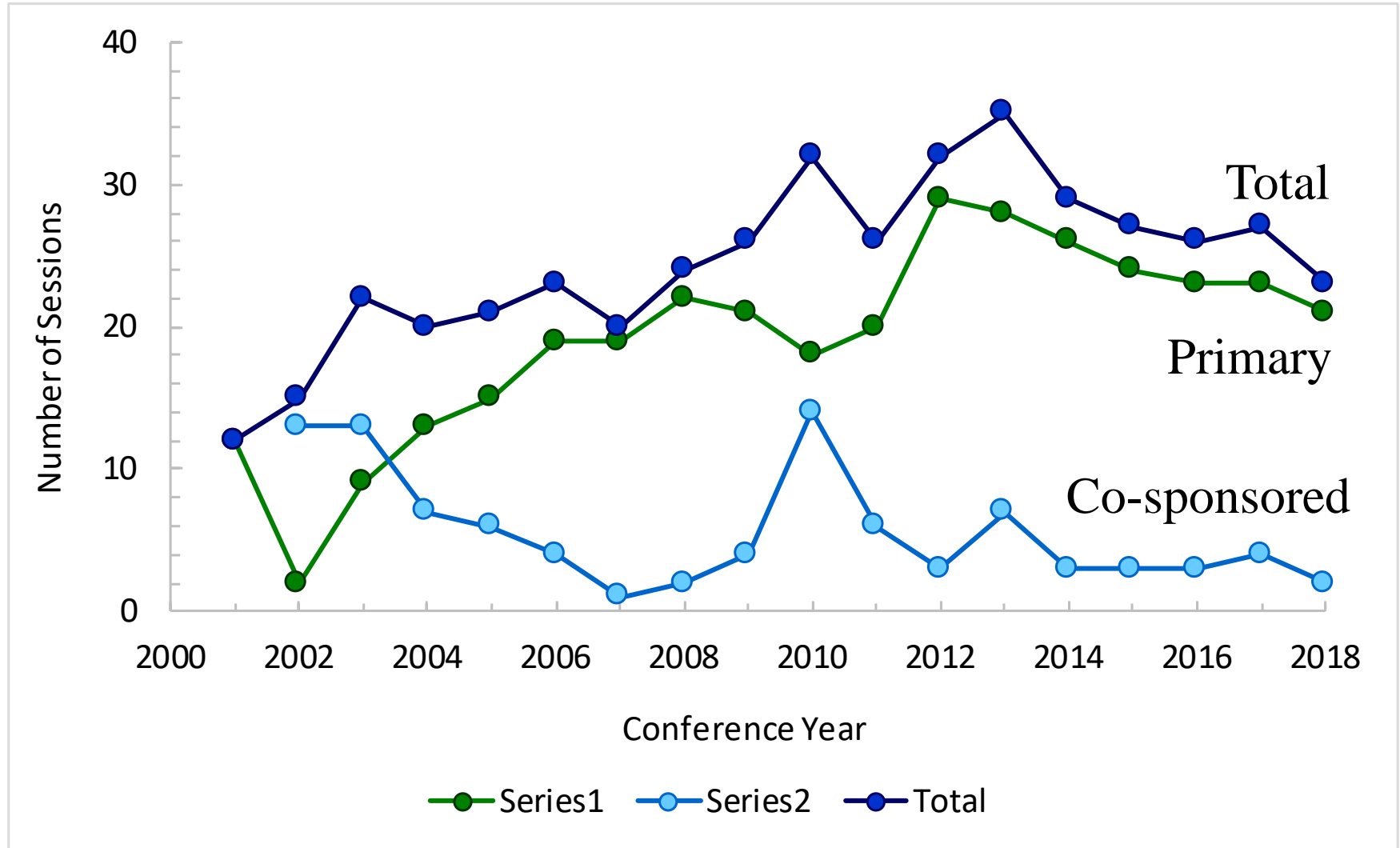
Pittsburgh Programming

2D Sponsored and Co-sponsored Sessions by Day

Time	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Total
8.00-10.30	0	0	1	2	3	1	7
12.30-15.00	0	0	2*	3*	2	1	8
15.30-18.00	3	2	0	2	1	0	8
Total	3	2	3	7	6	2	23

* Includes co-sponsored session

Area 2D Programming Annual Meetings



Sessions and Submissions

Session	# Submissions	# rejected	% Accept
Honorary Session for Neal Chung III	21	0	100%
Advanced Inorganic Membranes for Gas Separation	12	5	58%
Advanced Polymeric Membranes for Gas Separation	7	0	100%
Mixed matrix membranes for gas separation	12	5	58%
Membranes for CO ₂ capture	11	4	64%
Water Treatment, Desalination, and Reuse 1	15	8	47%
Water Treatment, Desalination, and Reuse 2	14	7	50%
Water Treatment, Desalination, and Reuse 3	10	3	70%
Water Treatment, Desalination, and Reuse 4	16	9	44%
Highly selective separations with membranes 1	7	0	100%
Highly selective separations with membranes 2	10	3	70%
Charged Polymers for Membrane Based Water and Energy	13	6	54%
Surface Engineered and Responsive Membranes	8	1	88%
Bioinspired Membranes and Membrane Processes	7	0	100%
Membrane Reactors	7	0	100%
Fuel Cell Membranes	8	1	88%
Membrane Formation	15	8	47%
Membrane Modeling and Simulation	16	9	44%
Membrane based organic solvent separations	11	2	100%

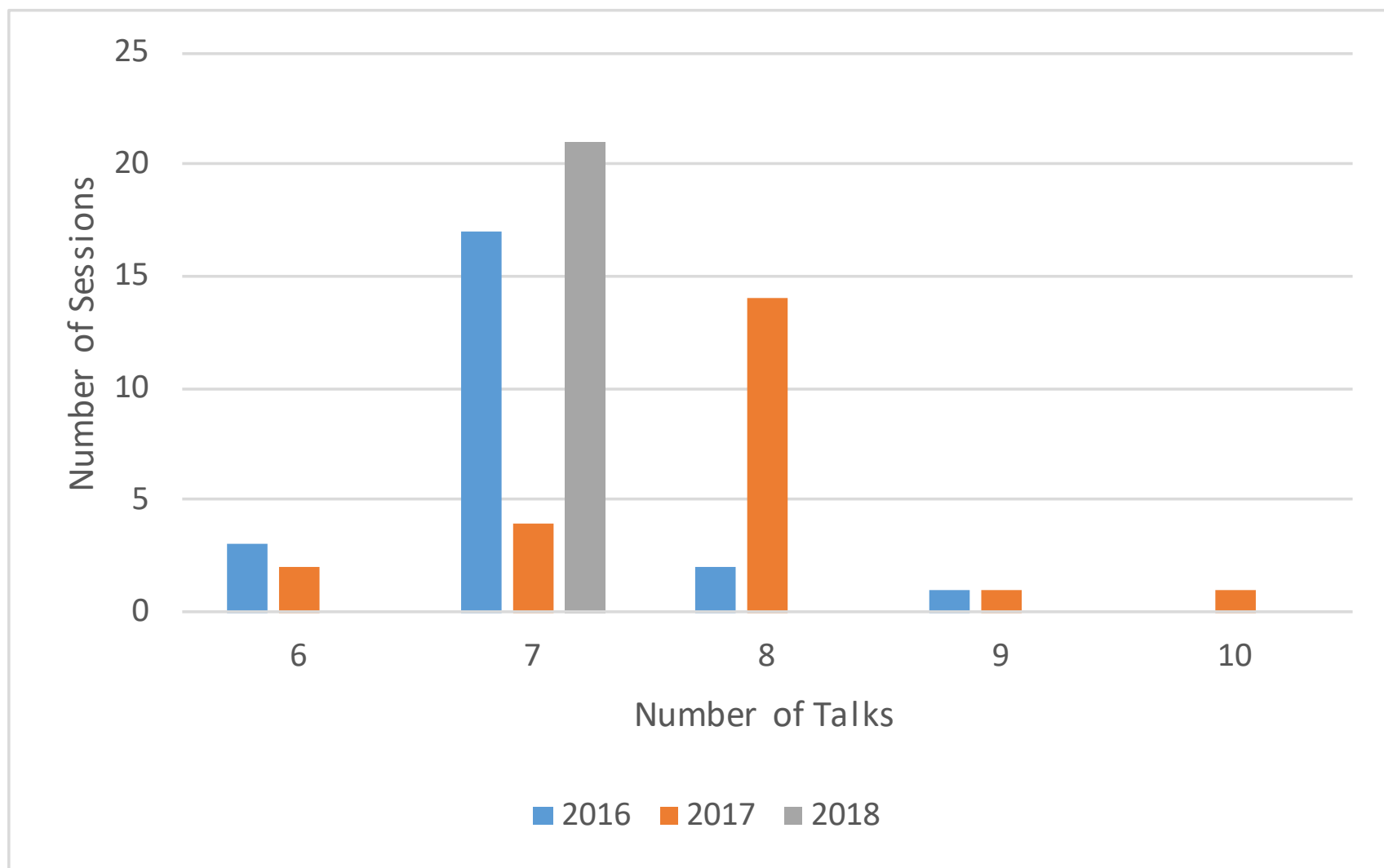


Acceptance Rate

- 161 Talks (primary)
 - 28 “Invited”
- 220 total abstracts
 - 192 “Contributed”
- 69% acceptance rate for contributed abstracts



Session Programming



Area 2F Report

Chair: Seyi Oduyungbo, Chevron Corporation

Vice Chair: Isaac Gamwo, NETL

- **Pittsburgh (Fall 2018)**
 - Number of Oral Sessions (No titles necessary): 5
- **Orlando (Fall 2019)**
 - Number of Oral Sessions (No titles necessary): 5
- **Succession Plan**
 - Current Chair's term expires in 12/31/2019



Area 2h – General Topics

- **Fall 2018**
 - Oral Sessions: 1 scheduled
 - Hybrid Separation Processes (Joshua Thompson and Ryan Lively)
 - Poster Session: 1 scheduled
 - Poster Session: General Topics on Separations (Steve Ritchie and Alice He)
- **Spring 2019**
 - No sessions planned for 2h
- **Fall 2019**
 - Oral Sessions: 2 scheduled
 - Hybrid Separation Processes (Joshua Thompson and Ryan Lively)
 - Separations Challenges: TBD (Joshua Thompson and Steve Ritchie)

Area 2h – General Topics

- Poster Session: 1 scheduled
 - Poster Session: General Topics on Separations (Steve Ritchie, Josh Thompson, and Alice He)
- **Spring 2020**
 - No sessions planned for 2h
- **Succession Plan**
 - Joshua Thompson will start as Chair for 2018.
 - Steve Ritchie will start as Vice Chair for 2018-2019

Summary of Area succession plans

Area		2018	2019	2020
2a	Distillation & Absorption	Dan Summers Andrew Sloley	Andrew Sloley TBD	Andrew Sloley TBD
2b	Crystallization & Evaporation	Seth Huggins Thomas Vetter	Seth Huggins Thomas Vetter	Thomas Vetter TBD
2c	Extraction	George Goff Open	TBD	TBD
2d	Membrane-Based Separations	Haiqing Lin Mahdi Malmali	Haiqing Lin Mahdi Malmali	Mahdi Malmali TBD
2e	Adsorption & Ion Exchange	Stefano Brandani Peter Ravikovich	Stefano Brandani Peter Ravikovich	Peter Ravikovich TBD
2f	Fluid Particle Separation	Seyi Oduyungbo Isaac Gamwo	Seyi Oduyungbo Isaac Gamwo	TBD
2g	Bioseparations	Nick Merchant Caryn Heldt	Nick Merchant Caryn Heldt	Caryn Heldt TBD
2h	General Topics & Other Methods	Steve Ritchie Josh Thompson	Josh Thompson Steve Ritchie	Josh Thompson Steve Ritchie



Session programming plans – Area 2 sessions

2018 Annual Meeting – Pittsburgh, October 29

Plenary Session: Gerhold and Kunesh Awards on Separations

2019 Spring Meeting: New Orleans, March 31-April 4 Kister Distillation Symposium

2019 Annual Meeting – Orlando, November 11

Plenary Session: Gerhold and Kunesh Awards on Separations



Session programming plans/wishes – Oral sessions

Area		2018		2018 Actual	2019	
		Spring	Fall	Fall	Spring	Fall
2	Separations Division	0	3+1*	2+1*	0	2+1*
2a	Distillation & Absorption	5 + 1*	2	2	5 + 1*	
2b	Crystallization & Evaporation	0	10	10	0	
2c	Extraction	0	4	3	0	4
2d	Membrane-Based Separations	0	25	21	0	
2e	Adsorption & Ion Exchange	0	16+1*+1*	15+1*+1*	0	16+1*+1*
2f	Fluid Particle Separation	1	7	5	1	
2g	Bioseparations	0	4+1*	2	0	
2h	General Topics & Other	0	3+1*	1+1*	0	
TOTALS		6+1*	74+4*	61+3*+1*	6+1*	
TARGET			58	58+3 granted		58



Future Programming Deadlines

2019 Annual Meeting: Orlando, November 10 – 15

- Monday, **December 17, 2018**
 - Sessions & Session Chairs Due in Confex
- Friday, **January 11, 2019**
 - Call for Abstracts Opens
- Monday, **April 12, 2019**
 - Call for Abstracts Closes



Future Programming Venues

2019 Spring Meeting: New Orleans, March 31-April 4

2019 Annual Meeting: Orlando, November 10-15

2020 Annual Meeting: San Francisco, November 10-15

2021 Annual Meeting: Boston, November 7-12

2022 Annual Meeting: Phoenix, November 13-18

