

Welcome to the Education Division Business Meeting

Wednesday, November 18th 2020
2:30 PM Eastern Time



Our Mission is Education!

“Education of chemical engineers as it pertains to educational research, scholarly teaching, and broader endeavors encompassing education, such as the Division’s programming.”



Today's Objectives:

Disseminate news and information about
Education Division

Create open discussion about our offerings
and what we can do to help our community
of educators

EdDiv Org Chart 2020

Division Board of Directors (9 total members)

Executive Committee (5 members)

Chair 1st Vice Chair 2nd Vice Chair
Secretary/Treasurer Past Chair

Director1 Director2 Director3 Director4
Institute Liaison

Committees (7)

Survey + Webinars + Future Faculty + Membership +
Communication + Nominating + Awards

Our Board of Volunteers

Executive Committee 2020-2021

Ben Davis, Chair

Daniel Lepek, 1st Vice-Chair

Christy Wheeler West, 2nd Vice Chair

Matt Liberatore, Past Chair

Katie Cadwell, Secretary-Treasurer

Board Members

Priscilla Hill, Director, 2018-2021

Shannon Ciston, Director, 2019-2021

Dan Burkey, Director, 2020-2023

Jennifer Cole, Director 2020-2023

Gina Gatto, Institute Liaison (AIChE Staff)

We hold elections for new leadership every 2 years (next election in 2021 - contact past chair)

Directors now serve for 4 years. Chairs make an 8 year commitment!

Regular Communication = Monthly Email

Announcements of interest to Ed Div members

Division business

Faculty position postings

Calls for participation - surveys, studies

Submit announcements to Katie Cadwell
(kdcadwel@syr.edu)

Submission deadline: Around the end of each month

Finances in good shape

Fund balance in March:

2020	\$14,800
2019	\$14,200
2018	\$10,600
2017	\$10,400

Revenue sources:

Dues, banquet fees, award sponsorship, interest

Expenses:

Banquet (net neutral), Awards/plaques, Domain registration fee, Communication, Mentor/mentee food

Katie Cadwell: kdcadwel@syr.edu

2020 Annual Meeting Program

Thank you to our ~50 session chairs and moderators!

Please come to our programming meeting tomorrow:

Thursday 2:30 PM Eastern Time

Great sessions remain for the rest of the week!

2020 EDUCATION DIVISION PROGRAM

2020 Annual Meeting - Education Division / Group 04 Programming
 Monday, November 16, 2020 - Friday, November 20, 2020
 Program Chairs: Daniel Lepek and Christy Wheeler West

Times listed below are in Pacific Standard Time (PST)

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-9:00	Poster Session: Chemical Engineering Education	Free Forum on Engineering Education: First Year and Sophomore Year	Free Forum on Engineering Education: Junior and Senior Years	Free Forum on Eng. Ed: Topics by Popular Request!	Supporting Faculty, Staff and Students - Helping Others Achieve Success
8:00-9:00	Poster Session: Meet the Faculty Candidates	New Approaches to Active Learning and Student Engagement	Computing and Data Science in ChE Education: In Honor of Fred Justice's Contributions to the Education Division	Professional and Personal Skills for Chemical Engineering Students and Academic Professionals	Survey Results and Best Practices (Invited Talks)
8:00-9:00		Incorporating Sustainability and Social Responsibility Topics in ChE Courses and Curriculum	Unit Operations: Experiments, Labs, Demos, and Hands-On Activities	Educating Chemical Engineers in a Virtual World: Reflections on the Spring 2020 Semester	Best Practices in Teaching Design (Steal this Design Project)
8:00-9:00					
9:00-10:00	Workshop: Career Planning for Prospective Faculty	NSF Workshop I: Highlights from CBET	NSF Workshop II: Proposal Writing and Discussions with Program Managers	Educating Chemical Engineers in a Virtual World: Reflections on the Spring 2020 Semester "Town Hall Discussion" - Live Breakout Session	Survey Results and Best Practices (Invited Talks) - Live Breakout Discussion
9:00-10:00		ABET Updates and Insights (Invited Talks)			
10-10:30	BREAK	BREAK	BREAK	BREAK	BREAK
10:30-11:30					
11:30-12:30	Workshop: Career Planning for Prospective Faculty - Live Breakout Session	NSF Workshop I - Part II: Interactive Question and Answer Session with NSF Program Directors - Live Breakout Session	NSF Workshop II - Part II: Interactive Breakout Panels - Live Breakout Session	AIChE Education Division Programming Meeting (Ancillary)	Lunch with the AIChE Education Division Board (Ancillary)
11:30-12:30		ABET Updates and Insights (Invited Talks) - Live Breakout Session	AIChE Education Division Business Meeting (Ancillary)		
12:30-13:30	Lectures	Lectures	Lectures	Lectures	
13:30-14	BREAK	BREAK	BREAK	BREAK	BREAK
14-15	Workshop: Effective Teaching for New or Prospective Faculty	Workshop: Student Mental Health and Wellness	Workshop: Inclusive Pedagogy	Young Faculty Forum (Invited Talks)	
14-15				Department Head's Forum	
15-16	Workshop: Effective Teaching for New or Prospective Faculty - Live Breakout Session	Workshop: Student Mental Health and Wellness - Live Breakout Session	Workshop: Inclusive Pedagogy - Live Breakout Session	Department Head's Forum - Live Breakout Session	
16-18	Future Faculty Mentoring Meeting (by Invitation only) (Ancillary)	ASEE/AIChE Summer School Meetup/Trivia Night (Ancillary)	AIChE Education Division Awards Dinner (Ancillary)		

Looking ahead to 2021

2021 Spring Meeting & 17th Global Congress on Process
Safety April 18-21, 2021 in Dallas, TX

No Ed Div programming

**SPRING21
+17TH GCPS**
A Joint AIChE and CCPS Meeting

2021 Annual Meeting

November 7-12 in Boston, MA

If interested in chairing a session,
contact: Daniel.Lepek@cooper.edu



Programming meeting is tomorrow / Thursday

Question for the Group

Since we all love active participation here!

Please give your answer to the following question in the chat:

What are you still hoarding in quarantine?

Communications Committee

Accomplishments

- Increased social media presence
- Engage with audience
- Created marketing materials
 - Workshops
 - Awards and recognitions
 - Conference programming

28 day summary with change over previous period

Tweets
20 ↑5.3%



Tweet impressions
13.4K ↑7.8%



Profile visits
111 ↑27.6%



Mentions
26 ↑8.3%



Followers
316 ↑38



Next steps

- Evaluate website rehab
- Create monthly thematic post for AIChE Engage (e.g., CoP topics)
- Recruit 1-2 volunteer

Top Tweet earned 1,346 impressions

We are lucky to have Tony as part of our engineering education community! If you want see more about his work, sign up for the [@ChEnected](#) Inclusive Pedagogy workshop at AIChE national on Nov 18 at 2:15pm PT. [twitter.com/ASEEDiversity/...](#)

👍 1 🗨️ 1 ❤️ 7

View Tweet activity

Top media Tweet earned 1,009 impressions

Join us at our [#AIChE2020](#) Ed Division Program starting tomorrow. Thanks to our volunteers and leadership board for putting together excellent programming given the current circumstances. Check out a snapshot of our itinerary! [aiche-ann20.vfairs.com/en/hall#topics...](#) [pic.twitter.com/QgfwWZnkRc](#)

View all Tweet activity

Top mention earned 277 engagements



Ashlee N. Ford Versypt
[@FordVersyptLab](#) · Nov 12

Am I the only one who LOVES seeing the conference grids as a way to prep for conferences? I haven't seen it posted publicly for [#AIChE2020](#). Thank you to [@AIChECAST10](#) & [@aicheediv](#) for putting together scheduling grids for those divisions. [pic.twitter.com/GlukfKUT85](#)



👍 3 🗨️ 2 ❤️ 20

FOLLOW US!



@aicheediv



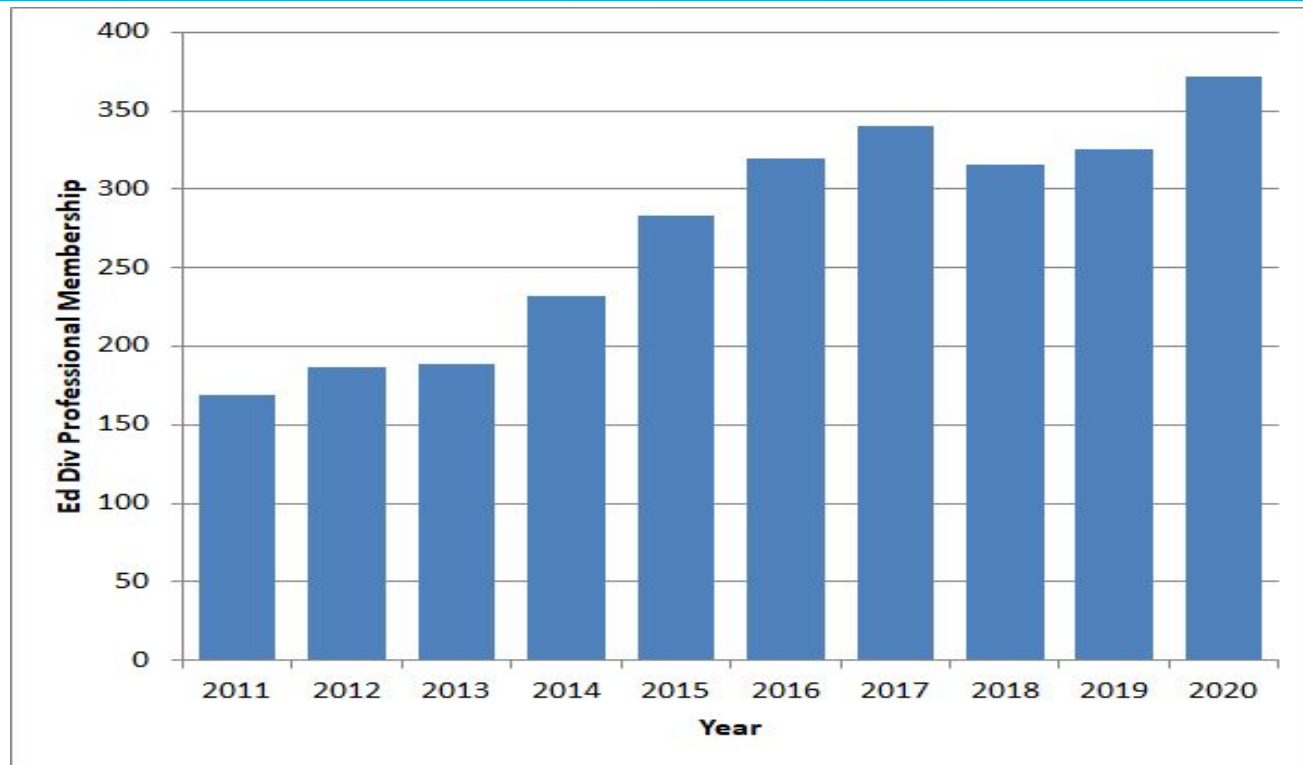
Sindia M. Rivera-Jiménez

<https://www.linkedin.com/company/aiche-education-division>

Membership (as of October 2020)

Growing membership since last year!

About 370 professional members



Course Survey Committee

2020-21 Survey = Kinetics and Reactor Design (81 programs responding)
Presentation Friday morning 8 - 9 PST

Breakout discussion session Friday 9 - 10 PST

<https://aiche.zoom.us/j/95218502882?pwd=STRBcE10MHdxOGw3eFJlajJaOFgzdz09>

2021-22 Survey Topics: Material and Energy Balances
Continue looping through the previous topics

Janie Brennan, Jennifer Cole, Kevin Dahm, Laura Ford (chair), Marnie Jamieson, Lucas Landherr, David Silverstein, Steve Thiel, Christy Wheeler-West

Future Faculty Mentoring Program

Mentees: Advertised to the Meet the Faculty Candidate pool, Department Heads List-serve, Social Media.

35 applicants (30 last yr); 14 female applicants (8 last yr)

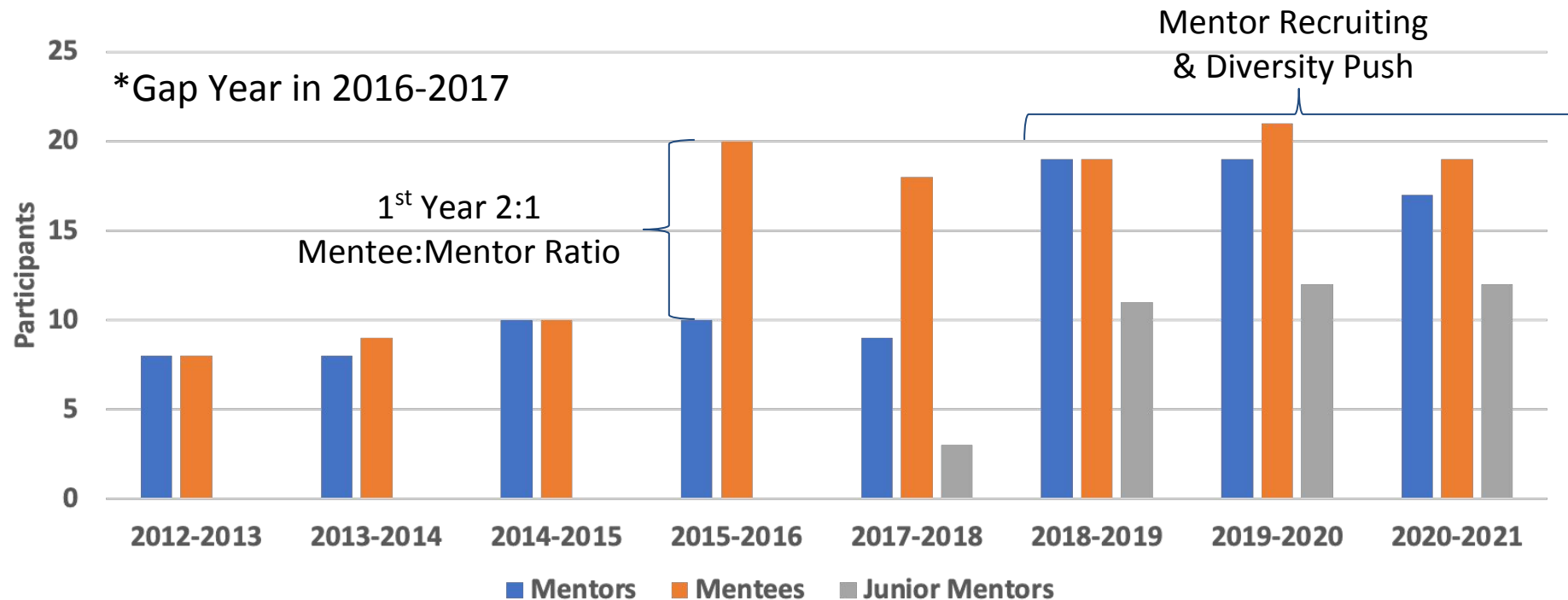
Mentors: Advertised to Ed Div, Dept. Chairs, Women's Initiatives Committee, past mentor/mentees, and Twitter (including retweets by AIChE and WIC)

9 Female Mentors/Junior Mentors (11 last year)

2020-2021 Cohort: 19 Mentees (down from 21), 17 mentors, 12 junior mentors; Next year - more matching questions; diversity

Dan Burkey

Future Faculty Mentoring Program



Dan Burkey (2017-Current)

Education Division Webinars

15 completed to date

Live attendance 5-125/session

300+ views total of archived webinars

11 Archived at [aiche.org/academy](https://www.aiche.org/academy)

More coming soon!

Always free for Ed Div members

Looking for volunteers!

Contact sciston@lbl.gov

Shannon Ciston, Daniel Lepek, Sindia Rivera-Jimenez

Webinars on Academy: FREE!

4 results for : EDU - Education Division : [education division](#)

Filter by keywords:

Search

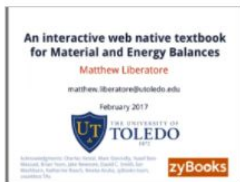


Education Division Webinar: Concept Warehouse

Archived Webinar

📅 Jan 24, 2017

Many engineering educators and industry partners emphasize the need for students to apply their knowledge to new and challenging problems. A lack of conceptual understanding has been shown to severely restrict students' ability to solve new problems since they do not have the foundational...

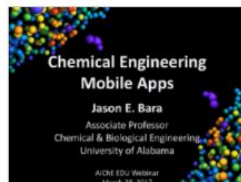


Education Division Webinar: Zybooks Interactive Textbook for ...

Archived Webinar

📅 Feb 22, 2017

Interactive textbooks provide instant feedback to students as well as instructors. In this webinar, features of an interactive textbook from zyBooks (zybooks.com) for a material and energy balance course were detailed, including scaffolded question sets, animations, homework problems, and challenge...



Education Division Webinar: Chemical Engineering Mobile Apps

Archived Webinar

📅 Mar 28, 2017

Although we have seen a nearly complete shift among chemical engineering students from desktop to laptop computers, it has merely created an incremental change in their education. However, the benefits of mobile devices in engineering education still remain largely untapped. There is a great need...



Education Division Webinar: General Strategy for Development ...

Archived Webinar

📅 Apr 25, 2017

The importance of developing teamwork skills for engineers is abundantly clear, but the means to do so can be prohibitive with regards to factors like cost or time. In this webinar, we will share the details of how our activity is implemented and the impacts and benefits the research have...

EMPOWER: A Bottom-Up Approach to Cultivate a Climate of Inclusivity
Fatima Alleyne and Lisa Pruitt
September 16, 2020

Effective Practices for Teaching Chemical Engineering Undergraduates Online
Sarah Wilson and David Silverstein
March 20, 2020

ABET Accreditation: Recent Updates and Insights
Randy Lewis
September 28, 2020

Congrats to our 2020 Award Winners! **AIChE** Education Division

Award for Innovation in Chemical Engineering Education

Dan Burkey



Award for Service to Chemical Engineering Education

Stephanie Farrell



Committee: Monica Lamm, Don Visco, Matt Liberatore, Christy Wheeler West

Activity: Award Nominees?

Award for Excellence in Engineering Education Research



Award for Innovation in Chemical Engineering Education



Award for Service to Chemical Engineering Education



Please take 2 minutes and brainstorm suggestions for nominees

Two Great Sponsors in 2020

Education Division Award for Service to Chemical Engineering Education

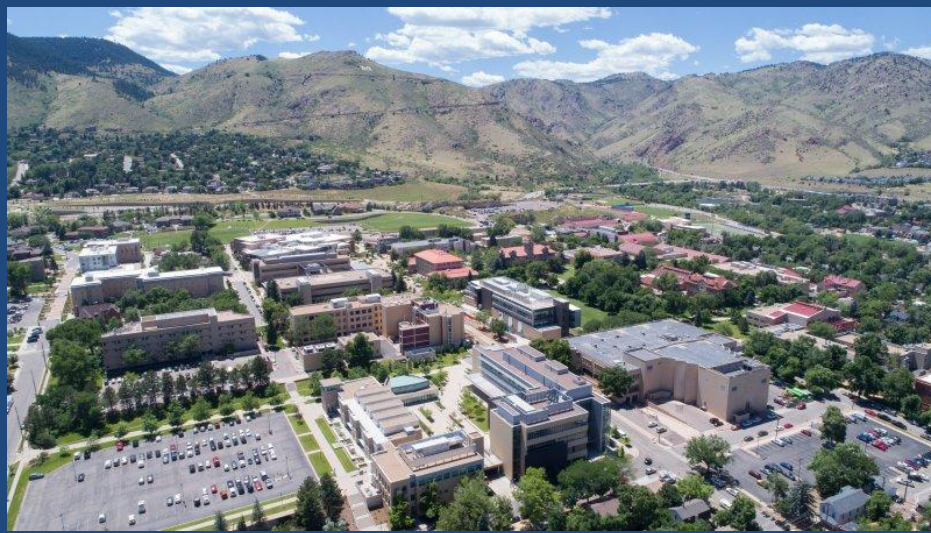


Chemstations™

Education Division Award for Innovation in Chemical Engineering Education

zyBooks

A Wiley Brand



ASEE/AICHE SUMMER SCHOOL

COLORADO SCHOOL OF MINES
GOLDEN, COLORADO
JULY 2022



**Please Join Us for the
Education Division
Awards Event this
evening!**

Education Division Awards Event

Wednesday, November 18th 2020
7:00 PM Eastern Time



Welcome to Our Virtual Banquet!

If you have complaints about the food, service, or drink selection, please E-mail:

whenwillquarantinebeover@yahoo.com

Thank you to our Sponsors!

**Education Division Award for Service to Chemical
Engineering Education sponsored by:**



**Education Division Award for Innovation in
Chemical Engineering Education sponsored by:**



2020 Service Award Winner

Stephanie Farrell



*Interim Dean and Professor/Founding Chair
of the Experiential Engineering Education
Department in the Henry M. Rowan College
at Rowan University*

ASEE President 2018-19



2020 Service Award Winner

Award for Service to Chemical Engineering Education

Stephanie Farrell



“Dr. Farrell has provided extensive service to engineering professional societies, delivered numerous educational workshops, and been a champion for diversity and inclusion in engineering education.”



2020 Innovation Award Winner

AIChE Education
Division

Daniel Burkey



Associate Dean for Undergraduate Education and Diversity, Professor in Residence in Chemical & Biomolecular Engineering at The University of Connecticut

AIChE EdDiv Director 2017-2023

zyBooks
A Wiley Brand

2020 Innovation Award Winner

The Award for Innovation in Chemical Engineering Education

Daniel Burkey



“For novel contributions to chemical engineering laboratory, design, engineering ethics, and first-year engineering instruction using game-based and narrative approaches.”

Time for Fun and Games

More than BS...BSS

A little bit **B**ingo

A little bit **S**cavenger hunt

A little bit **S**peed dating

Rules for this EdDiv game of BSS

~10 minutes in breakout rooms with small group

Repeat ~3 times

Each person/name can appear only once

Prizes: Free 1 year EdDiv membership to winner(s)
Most squares, most bingos