

# FLASHPOINT

Vol:22, Issue 1

<https://www.aiche.org/fpd>

Spring 2019



*Inside this issue:*

Chair Corner	2
Message from Incoming chair	4
Member Spotlight	5
2019 Spring Meeting Program Over view	6
News: AIChE Chicago section	6
Women in Fuel & Petrochemical Panel	7
2019 Midwest Regional Conference	8
F&PD award winners	10
F&PD award dinner & networking	11
F&PD High School Scholarship Information	11
AIChE Strategic Plan	12
Congratulations to New Elected officer	15
F&PD Officers Contact information	16

## 2019 AIChE Spring Meeting 15th Global Congress on Process Safety

March 30 - April 4, 2019

[Hilton New Orleans Riverside](#)



## Chair Corner

Hello F&PD membership,

As with my other two columns for our newsletter, I once again find myself writing this column after two business trips into the “gas patch” area outside of Denver, Colorado. Just as in other areas of the country, the state of our industry is clear when driving through the foothills of the Rocky Mountains, through the North East, Texas and elsewhere. It is similar in many other places around the world.

A quick glance of headlines in major news and industrial publications including [Hydrocarbon Processing Magazine](#) (which professional F&PD members now receive as a membership benefit) shows a vibrant business climate and a healthy jobs market for chemical engineering, operations staff, and trades

professionals. Even as we enjoy these relatively robust times, other headlines document numerous challenges of expanding energy and fuels production in a potentially carbon-constrained environment (socially and/or regulatory), meeting additional demand for petrochemicals products while minimizing their impact to the environment, and the interactions between the sustainable use of water, energy, food, and more.

It is an exciting time for F&PD as we approach AIChE’s Spring meeting, where many of these challenges are being addressed. F&PD maintains relationships with other Divisions of AIChE that enhance our technical programming content. For New Orleans, these relationships have made our programming schedule as comprehensive as ever. This year, our Keynote event addresses big data analytics, applications and challenges impacting our industry. F&PD is pleased to co-sponsor this event with the Big Data Analytics Topical conference, and greatly appreciates their assistance, especially from Ivan Castillo of Dow Chemical, in planning this event. F&PD is also sponsoring a panel event with the Women in Chemical Engineering community of AIChE. Our Programming Chair, Dr Frank Del Nogal, is highlighting our entire programming line-up for New Orleans elsewhere in this newsletter. We hope our membership appreciates the breadth and depth of the technical programming available from F&PD. Best of all, the content from our technical sessions will be available to our membership on our [website](#) in the future.

At the Spring meeting, it’s time once again for a new F&PD leader to take the reins. Dr. Saadet Ulas Acikgoz will be leading our team next year. I have known Saadet for over 12 years and



have full confidence that F&PD will continue to be a vibrant organization for the benefit of our members under her tenure. We will also welcome a new 2<sup>nd</sup> Vice Chair, Treasurer and 3 new Directors and one newly appointed member to our Communications Team. Please cast your ballot when the F&PD election notice reaches your inbox in the very near future.

I am truly honored and humbled to have guided the organization for the past year and am proud of what the Executive Committee has completed this year and what it has in store for the future. It takes an enormous amount of time and effort by the all-volunteer members on our Executive Committee, Programming Team, Communications team, plus the amazing folks on the AIChE staff, to plan, organize, and execute our events at AIChE meetings and elsewhere. As we all know too well, time is a precious commodity, especially as our entire industry seemingly becomes leaner and leaner every year, making time for volunteer efforts in AIChE and other organizations even more challenging. If you see one of our [leaders](#) at the Spring or Fall meetings, please introduce yourselves to help build an even stronger network amongst our members. My departing challenge to our membership is to continue to train the next generation of chemical engineering experts and to demonstrate the benefits of belonging to a global advocate for our profession such as AIChE and F&PD. In my opinion, the best option grow our membership is for our current members to actively recruit and engage new professionals.

Our Welcome Session and Keynote event is Monday morning, April 1<sup>st</sup>. All of you are cordially invited to the F&PD Networking and Awards Dinner from 6-9 p.m., also on April 1<sup>st</sup>. Tickets are available when you register for the meeting and are also available for purchase at the registration desk. This is one of F&PDs premier networking opportunities. Please join your colleagues (and invite someone new too if possible) for a wonderful dinner and evening of networking, along with a presentation from our F&PD Award winner. Our Executive Committee and Programming meeting times are posted online under the Ancillary Events list, so please feel free to stop by.

Sincerely,

Bill C. Rooney

[William.Rooney@honeywell.com](mailto:William.Rooney@honeywell.com)

[fpdchair@aiche.org](mailto:fpdchair@aiche.org)

<http://www.aiche.org/fpd>

<http://www.linkedin.com/company/aiche-fpd>

+1-847-391-2281

## ***Message from Incoming Chair***

I'm excited and honored to serve as the new Division Chair for AIChE's Fuels and Petrochemicals Division. I have been part of the Fuels and Petrochemicals industry and this division for 12 years. During this time, I served as session chair, programming area chair and treasurer for F&PD. My involvement in AIChE and the Fuels and Petrochemicals Division helped me with my professional growth and gave me the opportunity to follow the trends in our industry. It also allowed me to network with a wide range of talented professionals from other organizations.



I witnessed the technological advancements that occurred in the last decade and the effect of these on our industry. As an example, self-driving cars, Uber and Lyft and even iPhones were either non-existent or rare a decade ago. The shale gas revolution took place in the last decade which greatly increased the production of oil and natural gas from tight oil formations. Technological advancements in computing power, sensors, artificial intelligence and big data analysis continue to impact the energy industry and the future of chemical engineering. There are also several societal and environmental challenges such as aging workforce and knowledge retention, climate change and the pressure to reduce carbon emissions, increasing global energy demand due to rising prosperity levels in developing countries, rapid growth of renewable energy sources and diminishing water supplies to name a few. These challenges also bring a lot of opportunities. Our division needs to be at the forefront of technological advancements to address these challenges and bring our members the best setting through technical programming, webinars and panel sessions to discuss and shape the future of our industry.

I have been part of the F&PD programming team for the 2019 AIChE Spring Meeting which will take place in New Orleans. The programming team has organized an array of sessions in Refining, Petrochemicals and Gas Utilization areas. The F&PD Keynote address and welcome session was jointly organized with Big Data Analytics focusing on the Application of Big Data Analytics, Artificial Intelligence, Machine Learning & Cloud Computing in Refining & Petrochemicals Industry. We will also have a panel session focusing on the challenges and opportunities that our industry will face to meet the demand for more and cleaner energy while dealing with a shifting global energy mix.

My priorities for F&PD during my leadership will be:

- Attracting young and diverse set of individuals as volunteers, members and leaders for the division
- Collaborating with other divisions to enhance our technical programming and focus on areas of growth and innovation
- Enabling knowledge sharing between our members through webinars
- Using social networking and team collaboration applications to improve communication with our membership and within members of our executive leadership team
- Continuing our collaboration with Hydrocarbon Processing

I look forward to my new role as the Division Chair and I welcome your ideas to best serve the needs of practicing engineers in our industry. I also encourage everyone to consider taking an active role in the Fuels and Petrochemicals Division by volunteering to serve as session chairs, participating in our high school outreach program, presenting papers in our technical conferences and serving as a division officers.

Best regards,

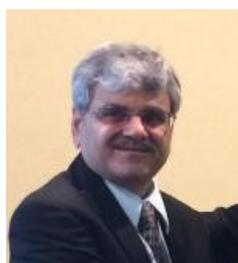
Saadet Ulas Acikgoz, Ph.D.

Senior R&D Manager, Optimization

Honeywell UOP

### **Member Spotlight**

- Dr. Kirtan Trivedi, ExxonMobil, is serving as the Co-Meeting Programming Chair for the entire Spring meeting in New Orleans.



- Dr. Ahmed Khogeer is elected to fellow council and he is a member of SIOC, GSIC and international committee.



- Dr. Helen Lou, Lamar University, is a recently elected AIChE Fellow from F&PD.
- If you would like to highlight your, or another F&PD member's, significant contributions to a particular AIChE or F&PD event, please send them to our editor at [fpdnewsletter@aiche.org](mailto:fpdnewsletter@aiche.org) to be recognized in future editions of this newsletter"



## *Programming Overview for the New Orleans 2019 Spring Meeting*

AICHE and the Fuels and Petrochemicals Division are looking forward to another Spring Meeting with a wide variety of technical and industrial programming topics for members to attend and participate in.

Our kick-off event each year is our Welcome and Plenary Session on Monday morning, April 1<sup>st</sup>. This keynote event addresses big data analytics, applications and challenges impacting our industry. For the first time, F&PD is pleased to co-sponsor this event with the Big Data Analytics Topical conference. Paul Bonner, Director–Solution Consulting & Data Analytics, from Honeywell Connected Enterprise, is presenting an address titled “Application of Big Data Analytics / Artificial Intelligence / Machine Learning & Cloud Computing in Refining & Petrochemicals - Success Stories, Challenges and Future Trends”. Please be sure to attend this event. A short F&PD networking period immediately precedes the keynote address.

This year, F&PD is pleased once again to present an Executive Panel discussion forum on Tuesday Morning, April 2nd, tackling the topic of “Embracing the Challenge: Meeting the Global Demand for More and Cleaner Energy”. Stakeholders from the energy, academy, government and technology sectors will discuss the challenges and opportunities that our industry will face to meet the demand for more and cleaner energy while dealing with a shifting global energy mix. We are pleased to have the following panelists for this event: Laurel Harmon, Vice President, LanzaTech; Debalina Sengupta, Associate Director, Texas A&M’s Gas and Fuels Research Center; Doris Fujii, Carbon Management Project Lead, BP America; Cary Garcia, Demand Forecaster, California Energy Commission’s Energy Assessments Division. This panel session is co-sponsored by the Environmental Division.

After a 1 year absence, the Topical Conference on Gas Utilization will again include a Keynote event Monday afternoon, April 1<sup>st</sup>. The address will highlight technology solutions for natural gas liquids recovery, including options for retrofitting existing units as the market for ethane in North America continues to shift. Mr. Mahdi Nouri, Jacobs Consultancy, will be giving the address.

Another new event for F&PD is a joint session with the Young Professionals organization of the Institute. In this session on Wednesday afternoon April 3<sup>rd</sup>, experienced professionals will be dis-

cussing soft-skills in our profession.

The rest of F&PD technical programming includes sessions Monday-Wednesday, and spans all our major technical areas including Refining (including the bi-annual Kister Distillation Symposium which F&PD is a co-sponsor), Gas Utilization, and Petrochemicals. More than 25 additional technical sessions covering refining, gas utilization, and petrochemicals are available for attendees.

Respectfully,

Frank Del Nogal – F&PD Programming Chair

Jeffery Gaspard – F&PD Programming Vice-Chair

Saadet Ulas Acikgoz – F&PD 1<sup>st</sup> Vice Chair

Kirtan Trivedi – F&PD Past Programming Chair

Bill Rooney – F&PD Chair

---

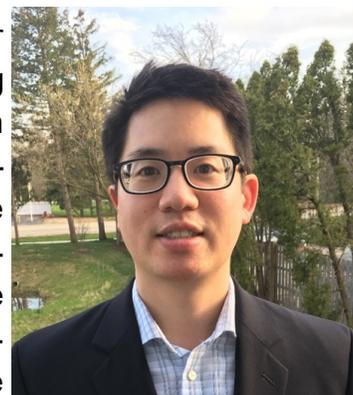
### ***Women in Fuels and Petrochemicals Panel***

F&PD and Women's Initiative Committee (WIC) will be co-sponsoring a Panel Session as part of the Leadership Development Topical called "Women in Fuels and Petrochemicals" on Monday, 4/2 from 3:30 to 5 PM. Panelists are Sharon Beshouri , President, Shell Global Solutions, Megan Lewis, Senior Business Leader, Honeywell UOP, and Meredith Lansdown, Technical Services Engineer, Chevron. These three women represent executive, mid-level and early career positions.

At this event, the panelists will be giving a brief overview of their career, discussing key skill sets they have found helpful, looking at challenges they have faced, and answering questions from the floor.

## **News: AIChE Chicago Section**

We are not far into 2019, but the year has already been quite busy for AIChE Chicago. We were excited to continue the tradition of co-hosting our January monthly meeting with the Chicago Section of the American Chemical Society, which included an interesting pre-meeting presentation on leaded oil by Joel Schoenburg (Young Chemists Committee Chair – Chicago) and engaging lecture on cancer vaccine design by Andrew Lee (Northwestern University). Don Chmielewski (Illinois Institute of Technology) was invited to our February meeting to speak on the incorporation of economics into control system design and to accept the 2018 Ernest W. Thiele Award. The award was presented to Don by the local section and was extremely well deserved, based on his advances to the theory of control system design as well as his service to our profession through mentorship, education, and leadership.



On the topic of awards, AIChE Chicago was furthermore quite proud to learn in January that two of its members (Shannon Brown and Reza Mostofi) were selected as 2019 Shining Star Award winners. This award is given annually by the AIChE Local Sections Committee to recognize outstanding volunteerism at the local level, with there being only a small number of recipients each year. Shannon and Reza join three past Shining Star winners from AIChE Chicago (Don Chmielewski, Janet Werner, and Azita Ahmadzadeh) in this honor. The section is clearly fortunate to have such talented and dedicated people.

Educational outreach is a key initiative for AIChE Chicago too, and we were happy to help sponsor and provide volunteers to events in January (State of Illinois Future City Competition) and February (DuPage Area STEM Expo), with big thanks owed to our participating volunteers and our Chicago Young Professionals Committee (YPC). The Chicago YPC also hosted its 10<sup>th</sup> annual Whirlyball Social, which was a fun event as always.

The Midwest Regional Conference (MRC) is a huge annual event for us, and the 2019 MRC is almost here! The symposium will be held at the University of Illinois at Chicago from March 18-19. The planning committee is thrilled to have arranged keynote lectures by several high-profile CEOs and professors and is certain the conference will be a valuable experience for attendees, providing them a chance to network with colleagues from around the Midwest, listen to technical presentations on subjects ranging from process safety to nanoengineering, and earn Professional Development Hours. More information about the MRC can be found in the flyer in this newsletter or by visiting the conference website (<https://www.aiche.org/conferences/midwest-regional-conference/2019>).

*Bob Tsai*

*AIChE Chicago Section Chair*

## 2019 AIChE Midwest Regional Conference

**Registration is Now Open!**

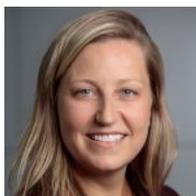
Chicago, IL – March 18-19, 2019

Hosted by University of Illinois at Chicago

Organized by Chicago Local Section of AIChE



### ***Keynote Speakers:***



**Erin Kane**

*President and CEO, AdvanSix Inc.*



**Huimin Zhao**

*Professor, University of Illinois at Urbana-Champaign*



**Markita Landry**

*Assistant Professor, UC-Berkeley*



**Asha Oroskar**

*President and CEO, Orochem Technologies Inc.*



**Randy Snurr**

*Professor and Department Chair, Northwestern University*

**Online registration deadline**

**March 10, 2019.**

**Registration link:**

<http://www.cvent.com/d/8bqtj2/4W>

More information can be found at the conference website:

<https://www.aiche.org/conferences/midwest-regional-conference/2019>

## ***F&PD Award Winners***

As the Past Chair, I have the honor to lead the division effort to select the winner of the two division awards that is provided to those who have made contributions to the fuels and petrochemical industries and to the division as volunteers. These are the F&PD Award and Distinguished Service Award.

The F&PD Award recognizes individuals who have made substantial technological contributions to the advancement of the fuels and petrochemicals industries. The selection criteria is based on a long and recognized record in the nominee's areas of achievement. The selection committee also looks at the impact of the nominee combined contribution in the areas of technical achievement, management skills, business acumen, academic leadership, and general service to the profession. This year's award winner is Symmal Podder, President of Podder & Associates.

The F&PD Distinguished Service Award recognizes an individual's outstanding service specifically to F&PD. The candidate must have participated extensively in a variety of division activities demonstrating leadership, and have served the division a minimum of five years. This year's award winner is Naz Karim, Department chair at Texas A&M University.

Congratulations to both award winners. Thank you for the numerous contribution you have made to AIChE and F&PD.

***Ian Glasgow***

***F&PD Past Chair***

***Director of Process Technology, IAG***

---

## ***F&PD is grateful for the sponsors of our events***

For New Orleans, we express our sincerest gratitude to Honeywell UOP Callidus for their sponsorship of the joint F&PD/Big Data Analytics Topical Conference Welcome Session and Keynote address .

F&PD also expresses our sincerest gratitude to Matheson Gas as a sponsor for all of the F&PD programming tracks throughout the entire conference.

If our members and sponsors would like additional information to help sponsor future F&PD events, please email our Past chair at [fpdpastchair@aiiche.org](mailto:fpdpastchair@aiiche.org) or [sales@aiiche.org](mailto:sales@aiiche.org)"

## **F&PD Award Dinner and Networking Event at AIChE Spring 2019 Meeting in New Orleans**

The Fuels and Petrochemicals Division will be holding their Annual Monday night Award Dinner and Networking Event at Palace Café in New Orleans on **April 1, 2019**. We expect more than 60 F&PD members and guests to attend the dinner to network with their peers, enjoy some great food and drink, celebrate award winners and hear the F&PD Award Presentation by Syamal Poddar. This event is not to be missed, so purchase your ticket today, before it sells out. The event will consist of a cocktail hour with passed appetizers and a cash bar, followed by a seated dinner with amazing New Orleans cuisine. All outgoing F&PD officers and directors will receive plaques/certificates, and incoming chair, Saadet Acikgoz of UOP will present her plans for the coming year.

In addition to the award dinner, F&PD will hold their second Volunteer Reception and Long Range Planning Dinner on Sunday March 31. This event will be held at Annunciation Restaurant, where invited volunteers and F&PD leadership will gather to network and share their long range ideas for the Division. Want to participate? Get involved in F&PD as a volunteer so you too can have input on the future of the Division.

By: Lori McDowell

---

## ***The Fuels and Petrochemicals Division High School Academic Scholarship for STEM Majors.***

The Fuels and Petrochemicals Division of AIChE (F&PD) is pleased to sponsor two \$1,000 one-time awards to exemplary high school seniors who plan on studying engineering or science from an ABET accredited college starting in 2019. F&PD is committed to introducing high school students to careers in Fuels & Petrochemicals through its programs, helping to fuel the industry's need for top talent in the future.

Details of the program, along with applications, will be available on the F&PD website:

<https://www.aiche.org/community/sites/divisions/fuels-and-petrochemicals/awards>

If you do have any questions or have interest in volunteering to help run this program of F&PD, please contact our Scholarship Coordinator, Professor Sheima Khatib. We kindly ask F&PD members to help spread the word on F&PD's annual high school scholarship program.

The Application deadline is ***March 31, 2019.***

Sincerely,

Sheima Khatib - [fpdHS-scholar@aiiche.org](mailto:fpdHS-scholar@aiiche.org)

Bill Rooney - [fpdchair@aiiche.org](mailto:fpdchair@aiiche.org)

## ***Fuels and Petrochemicals Division (F&PD)***

### ***Information for Sponsors, Donors, and Advertisers***

The Fuels & Petrochemical Division (F&PD) the American Institute of Chemical Engineers (AIChE) is made up of approximately 1,000 professional members who are members of the various operating, engineering/consulting, technology, service provider, and equipment vendors in the refining, petrochemical, and biofuel industries. The division is involved in organizing programming during the two major AIChE conferences each year (National Spring Meeting and Annual Meeting) and as such look to sponsors, donors, and advertisers to support the various events and awards that F&PD organizes and supports.

You can reach out to near 1,000 chemical engineers who members in our division by becoming a sponsor, donor, or advertiser for the various events and awards we support.

#### ***AIChE Spring Meeting & Global Congress on Process Safety (GCPS) – Welcome Session Keynote Coffee Break Sponsorship***

Cost: \$2,500-\$5,000 (depending on the benefits selected)

- Recognition on signage during the F&PD Welcome Session Keynote coffee break
- Cost and other benefits depend on the sponsorship package selected. Contact [sales@aiche.org](mailto:sales@aiche.org) for more information
  - \* Other benefits can include: recognition as a sponsor of the overall AIChE Spring Meeting & GCPS, advertisement in F&PD flashpoint publication, advertisement in AIChE Spring Meeting & [GCPS program book](#)

#### ***AIChE Spring Meeting & Global Congress on Process Safety (GCPS) – Executive Panel Keynote Coffee Break Sponsorship***

Cost: \$2,500-\$5,000 (depending on the benefits selected)

- Recognition on signage during the F&PD Executive Panel Keynote coffee break
- Cost and other benefits depend on the sponsorship package selected. Contact [sales@aiche.org](mailto:sales@aiche.org) for more information
  - \* Other benefits can include: recognition as a sponsor of the overall AIChE Spring Meeting & GCPS, advertisement in F&PD flashpoint publication, advertisement in AIChE Spring Meeting & GCPS program book

#### ***AIChE Annual Meeting – Keynote Session Coffee Break Sponsorship***

Cost: \$2,500-\$5,000 (depending on the benefits selected)

- Recognition on signage during the F&PD Keynote Session coffee break
- Cost and other benefits depend on the sponsorship package selected. Contact [sales@aiche.org](mailto:sales@aiche.org) for more information
  - \* Other benefits can include: recognition as a sponsor of the overall AIChE Annual Meeting, advertisement in F&PD flashpoint publication, advertisement in AIChE Annual Meeting program [book](#)

***F&PD High School Scholarship Award Sponsor:***

Cost: \$2,000

- Company name included in name of award.
- Other potential benefits could include:
  - a) Half page ad in F&PD Flashpoint newsletter
  - b) One (1) complimentary invitation to the F&PD Awards Dinner

***F&PD University Scholarship Award Sponsor:***

Cost: \$2,000

- Company name included in name of award.
- Other potential benefits could include:
  - a) Half page ad in F&PD Flashpoint newsletter
  - b) One (1) complimentary invitation to the F&PD Awards Dinner

***F&PD Award Sponsor:***

Cost: \$500

- Company name included in name of award.
- One (1) complimentary invitation to the F&PD Awards Dinner
- Other potential benefits could include:
  - a) Half page ad in F&PD Flashpoint newsletter

***F&PD Distinguished Service Award Sponsor:***

Cost: \$500

- Company name included in name of award.
- One (1) complimentary invitation to the F&PD Awards Dinner
- Other potential benefits could include:
  - a) Half page ad in F&PD Flashpoint newsletter

***F&PD Best Proceeding Contribution Award(s) Sponsor (Spring and/or Annual Meeting):***

Suggested Cost: \$500

- Company name included in name of award.
- Other potential benefits could include:
  - a) Half page ad in F&PD Flashpoint newsletter
  - b) One (1) complimentary invitation to the F&PD Awards Dinner

***AIChE Spring Meeting High School Outreach Event Sponsor:***

Cost: \$2,000

- Company name included in event name.
- Other potential benefits could include:
  - a) Half page ad in F&PD Flashpoint newsletter
  - b) One (1) complimentary invitation to the F&PD Awards Dinner

## **Registration Form**

**Name of Company:** \_\_\_\_\_  
**Primary Contact Name:** \_\_\_\_\_

**Sponsorship Selection:** \_\_\_\_\_

<b>Flashpoint Advertising:</b>	Full page in 4-color	\$XXX
	Half-page Horizontal B/W	\$XXX

**Mailing Address:** \_\_\_\_\_  
 \_\_\_\_\_

**Phone Number:** \_\_\_\_\_ **E-mail:** \_\_\_\_\_

**Total Amount Enclosed:** \_\_\_\_\_

**Signature and Date:** \_\_\_\_\_

All completed Sponsorship / Exhibition Reservation  
 Forms should be scanned and emailed to  
**F&PD Past Chair at: [fpdpastchair@aiche.org](mailto:fpdpastchair@aiche.org)**

**Questions: [fpdpastchair@aiche.org](mailto:fpdpastchair@aiche.org)**

All checks should be made payable to:  
**AIChE**  
 and remitted (with a copy of the registra-  
 tion form) to:  
**STS-AIChE**  
**P.O. Box 421373**  
**Houston, TX 77242**

A copy of the Sponsorship / Exhibition Reservation Form should accompany the check. Thank you for your support.

**Cancellation Policy:** Full payment should accompany all exhibitor and sponsor registrations. All cancellations are assessed a 25% processing fee if cancelled more than 30 days prior a designated conference. No refunds will be given for cancellations received 29 days or less prior to a conference start.

## ***Congratulation to New Elected Officer Nicholas F. Urbanski***

Nicholas F. Urbanski, Senior Heat Exchanger Design and Operations Advisor, started with the ExxonMobil Upstream Research Company in 2009 and currently works for the ExxonMobil Production Company. His current responsibilities include thermal and hydraulic review of heat transfer equipment of various configurations (cryogenic to fired) throughout the upstream business. He also engages in FEED, RCFA, HAZOP, and general process/facilities reviews worldwide that have included hitches in Nigeria, Chad, Qatar, Malaysia, Australia, and Papua New Guinea.



For just over 3.5 years as Project Engineer, Engineering Services, Nicholas brought a member-company perspective to HTRI after working for eleven years at UOP LLC, Tonawanda, New York, U.S.A. As a Senior Engineer there, he was involved with the development and design of separation and heat transfer technologies and equipment. While at HTRI he developed training materials, conducted several workshops worldwide, and coordinated the technical support function. Nicholas authored a well-received HTRI Technical Report on thermosiphon performance during his tenure.

Nicholas received a B.S.E. in Chemical Engineering from Case Western Reserve University in Cleveland, Ohio, U.S.A., and an M.B.A. from Canisius College in Buffalo, New York, U.S.A. He has been awarded numerous U.S. and international patents and authored a number of technical papers. Nicholas is a licensed Professional Engineer (P.E.) in the State of Texas.

Nicholas serves as a reviewer of several sections of the GPA Midstream Engineering Handbook and served as the Lead Editor of GPA Midstream technical bulletin on brazed aluminium heat exchangers. He also served on the Technical Committee for Heat Exchange Engineering Asia 2017 and Europe 2019.

Nicholas has continually held several leadership positions in the AIChE since 2000 including session co-chair and chair, several terms as chair and co-chair for the Distillation and Absorption Area of the Separations Division, Meeting Program Chair for the Spring 2013 Meeting. For over 10 years, he remains very active behind the scenes assisting the facilitation of the biennial Henry Kister Distillation Symposium. He is a Fellow of the AIChE and a recipient of the John G. Kunesh and the George Lappin Awards. He contributed to the Equipment Test Practices Committee, and serves on the AIChE Fellow Nominations Committee. Nicholas was elected as a Director of the Fuels & Petrochemical Division in 2018.

## F&PD Officers Contact Information

POSITION	ALIASES ADDRESS	Name
Chair	<a href="mailto:fpdchair@aiche.org">fpdchair@aiche.org</a>	Bill Rooney
1 <sup>st</sup> Vice Chair	<a href="mailto:fpd1vchair@aiche.org">fpd1vchair@aiche.org</a>	Saadet Ulas Acikgoz
2 <sup>nd</sup> Vice Chair	<a href="mailto:fpd2vchair@aiche.org">fpd2vchair@aiche.org</a>	Ahmed Khogeer
Past Chair	<a href="mailto:fpdpastchair@aiche.org">fpdpastchair@aiche.org</a>	Ian Glasgow
Secretary	<a href="mailto:fpdsec@aiche.org">fpdsec@aiche.org</a>	Clayton Sadler
Treasurer	<a href="mailto:fpdtreasurer@aiche.org">fpdtreasurer@aiche.org</a>	Lori McDowell
Communications Director	<a href="mailto:fpdcommdir@aiche.org">fpdcommdir@aiche.org</a>	Ellen Arnold
Webmaster	<a href="mailto:fpdweb@aiche.org">fpdweb@aiche.org</a>	Abyar Aejaz
Newsletter Editor	<a href="mailto:fpdnewsletter@aiche.org">fpdnewsletter@aiche.org</a>	Azita Ahmadzadeh
Director – YP Liaison	<a href="mailto:fpdypliaison@aiche.org">fpdypliaison@aiche.org</a>	Sharon Maydak
Programming Chair	<a href="mailto:fpdprograming@aiche.org">fpdprograming@aiche.org</a>	Frank Del Nogal
Director – HS Scholarship	<a href="mailto:fpdHS-scholar@aiche.org">fpdHS-scholar@aiche.org</a>	Sheima Khatib
Director – University Scholarship	<a href="mailto:fpduniv-scholar@aiche.org">fpduniv-scholar@aiche.org</a>	Sheima Khatib