



THE PIPELINE

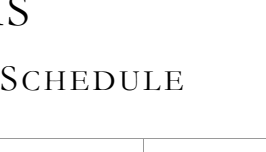
LETTER FROM THE CHAIR

TENI BUTLER

Happy spring, everyone! As [Women's History Month](#) draws to a close, I wanted to highlight one of AIChE's Communities: [Women in Chemical Engineering \(WIC\)](#). At the 2018 AIChE Annual Meeting, WIC celebrated its 20th anniversary providing leadership in promoting the entry, development, and full participation of women in the Institute and the profession. WIC provides women in chemical engineering a space to address challenges that continue to face women in our profession, despite great progress made over the last several years. It is each of our individual responsibilities to keep inclusion and diversity in mind as we continue to work together to foster respectful and healthy environments that advance our profession as chemical engineers and help solve challenging problems across a wide spectrum of needs. WIC, [and other AIChE initiatives](#), help to highlight the positive impact that a diverse and united workforce provides to our industry and to the world. Our education and

skillset as chemical engineers is incredibly broad, and challenges that our companies and societies are facing are becoming more complex every day. Let's work together to embrace all perspectives that further understanding and shape success in our industry!

Our current local section membership (dues-paying members as of March 2019) is approximately one quarter female (23%). This is comparable to female participation around the world with approximately 28% of all AIChE Global members identifying as female. [For more info and statistics on AIChE Global, please feel free to peruse the presentation Monica Mellinger, AIChE Senior Membership Associate, created for our section and presented in February.](#)



PROGRAMS

2018 - 2019 PROGRAM SCHEDULE

Getting Beyond Gasoline	Scott Sluder	September 19
Thermal Oxidizers for Halogens and Acid Gases	Jim Stone (Anguil)	October 24
Kingsport Raw Water Project	Niki Ensor	November 13
Building the First "Steamship" in History	John Laurence Busch	December 5
Driving to Net 0 - How You can Make a Difference	David Hrivnak (ENERG3)	January 15
AIChE - National, Local, Global	Monica Mellinger (AIChE Global)	February 12
Crystallization Techniques	Sam Bardoff (GEA Group)	March 12
Process Safety - Can we really learn from the experience of others?	Pete Lodai (Eastman)	April 9
The Impact of Shale Gas and Oil on the Chemical Industry	Jeff Siirola (Purdue/EMN)	May 14

UPCOMING APRIL PROGRAM

PROCESS SAFETY - CAN WE REALLY LEARN FROM THE EXPERIENCE OF OTHERS?

In this program, Peter Lodai will recount the creation of the first safety committee at Eastman Kodak Company, and how its formation relates to one of the seminal industrial accidents of the 20th Century, the Triangle Shirtwaist fire of March 1911. He will review the Triangle Case History, and discuss how its impact was felt, and how changes were made in many different industries as a result. Available accident statistics from the early 20th century will be presented to illustrate the case for change and the need for continual review of case histories across a range of industries and activities, adopting learnings even when the event itself is not relevant to current operations.

Peter Lodai is a Technical Fellow in Global Health, Safety, Environmental and Security Services. He has been with Eastman in various

positions for more than 41 years, 17 years in process engineering, and the past 24 years in process safety and loss prevention. He is Eastman Chemical Company's representative to the Center for Chemical Process Safety (CCPS) Technical Steering Committee and the chair of the CCPS Planning committee. Pete also chairs the Process Safety Committee for the American Chemistry Council (ACC). Pete is a Professional Engineer (TN) and a Certified Process Safety Professional. He is a Fellow of the American Institute of Chemical Engineers (AIChE) and a Fellow of the Center for Chemical Process Safety (CCPS). Pete holds BS (1976) and MS (1977) degrees in Chemical Engineering from Purdue University. Pete and his wife of more than 41 years, Susan, have three children, Erik (37), Nicholas (34) and Genevieve (34), and nine grandchildren.

MARCH PROGRAM SUMMARY

CRYSTALLIZATION TECHNIQUES

For our March program, GEA's Sam Bardoff presented about all things crystallization. The presentation covered the basics of evaporation, vacuum cooling, reaction, salting out, surface cooling, and melt crystallization techniques. In addition to these types of crystallization, Sam covered the different pieces of data needed to successfully install a crystallizer that meets your process needs – the data required include solubility, crystal size distribution, and many thermo-physical

properties. Sam discussed the different types of crystallizers and peppered the discussion with many real-world examples. Throughout it all, he emphasized the key parameters for success for a crystallization process.

If you would like to receive a copy of the presentation for future reference, please contact rinekart@eastman.com or visit the chapter's website: <http://www.aiche.org/community/sites/local-sections/east-tennessee>

OUTREACH COMMITTEE

Are you looking for a way to be connected to AIChE? Consider volunteering with AIChE! AIChE has launched a program called AIChE Engage that helps connect members locally and globally, providing volunteer opportunities, directories, and discussion boards. The volunteer opportunities range from coordinating an event, writing a blog post, and judging a competition. If you are interested in learning more about AIChE Engage, visit engage.aiche.org/home and explore the site. Feel free to email Angelina Ortiz with any questions.

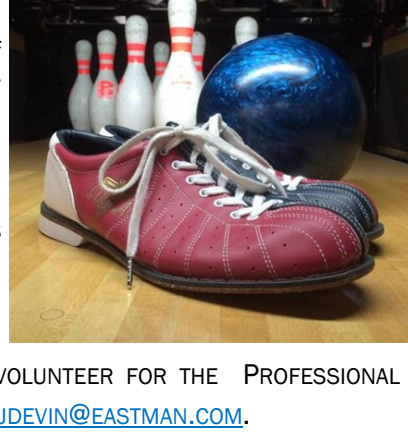


IF YOU HAVE ANY EVENT SUGGESTIONS OR WOULD LIKE TO VOLUNTEER FOR THE OUTREACH COMMITTEE, PLEASE CONTACT ANGELINA ORTIZ AT ANGELINA.ORTIZ@EASTMAN.COM.

PROFESSIONAL ENGAGEMENT COMMITTEE

The bowling social event at Warpath lanes was great fun for all ages! Members and family were able to connect with one another over snacks and games. Some were able show off their bowling skills at the event while others were just happy not to have gutter balls the entire night.

If you are interested in helping plan our next couple PE committee events, please contact Katie Devin (kjdevin@eastman.com). The next committee meeting is April 4th at 6 PM. We would love to have you!



IF YOU HAVE ANY EVENT SUGGESTIONS OR WOULD LIKE TO VOLUNTEER FOR THE PROFESSIONAL ENGAGEMENT COMMITTEE, PLEASE CONTACT KATIE DEVIN AT KJDEVIN@EASTMAN.COM.

AICHE GLOBAL NEWS

On March 31st, AIChE will be launching a new technical community, The Climate Solutions Community (TCSC), which will be housed within AIChE's Institute for Sustainability. While TCSC is still in its early stages and a significant amount of work will be put into better defining the community in coming weeks (including a half-day workshop at the AIChE Annual Spring Meeting in New Orleans on 4/2), it will be an inter-disciplinary initiative, including engineers and industrial scientists from all disciplines. TCSC will lead efforts to identify viable solutions to mitigate, adapt, and become resilient to the effects of climate change, and to develop a portfolio of technical and government policy solutions

necessary to address both industrial and community challenges. To achieve these bold and complicated goals, TCSC needs interested engineers to get involved. The East Tennessee Local Section has many talented and capable engineers that may be able to participate in and form this new initiative. We encourage your participation in this community [or others that fall under the AIChE Global umbrella](#).

Foundation and early development of TCSC is being spearheaded by Tom Rehm, chair of the South Texas AIChE local section. Please contact Tom directly at tom@tomrehm.com if you have questions regarding TCSC. Similarly, if you are interested, you can sign up to become a member of TCSC using this link: <https://www.aiche.org/community/sites/climate-solutions-community>.



Did you take the survey? To get access to the results, [join or renew your membership today!](#) (Don't forget to add East TN Local Section Membership to your order!)

Results will be published in the June edition of CEP.



Did you know that AIChE has its own podcast? Check it out on [SoundCloud](#), or wherever you get your podcasts.

To learn more about the Doing a World of Good® campaign, visit <http://www.doingaworldofgood.org/>

IF YOU HAVE SUGGESTIONS FOR GLOBAL AIChE NEWS THAT YOU WOULD LIKE TO SEE FEATURED IN OUR NEWSLETTER, PLEASE EMAIL TENI BUTLER TRBUTLER@EASTMAN.COM.

2019 LOCAL SECTION OFFICERS, DIRECTORS, AND SUPPORT STAFF

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VISIT US ONLINE!

WEBSITE

<http://www.aiche.org/community/sites/local-sections/east-tennessee>

All past presentations are available on our website!

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