



# THE PIPELINE

## LETTER FROM THE CHAIR

TENI BUTLER

Happy New Year from your AIChE Local Section! I hope that 2019 is off to a great start for each of you. I am happy to report that we have kicked off the year with a very engaging program January program, and we are gearing up for our first outreach event with the Volunteer State Science Bowl.

We have a new slate of officers for 2019 (announced in the December Pipeline), and thanks to the wonderful officers we had in 2018, they are quickly coming up to speed! A change moving forward that I want to bring to everyone's attention is that our former "Young Professionals Committee" (YP) will be evolving into the "Professional Engagement Committee" (PE). We hope through this change to maintain an intentional focus on

bringing members that are earlier in their career into the organization, as well as to increase engagement between those newer members and our members that are more established in their careers and paths. We are also excited to provide additional focus on professional development opportunities through this committee. I look forward to seeing how this change, which was catalyzed by our annual survey responses, can positively impact, grow, and strengthen our local section moving forward. If you have questions about this change, please feel free to reach out. 2019 is filled with potential, and your local section board is excited to take on the challenge of learning how better to serve you and the communities that we are a part of.

## EAST TN LOCAL SECTION MEMBERSHIP RECOGNITION

At the November 2018 Program, AIChE East Tennessee Local Section recognized members who had achieved significant membership milestones and service to the chapter.

**Founders Award:** In recognition of members who have provided "above and beyond" service to the East Tennessee Section of AIChE – specifically for years of generously sharing their knowledge and experience with others through the annual Professional Engineer Exam Review course. Thank you for your service!

Mark Harrison      Tim Nolen      Joe Parker      Rob Schisla

**Membership Milestone Recognition:**

- 10 years – Jonathan Sutton
- 30 years – Joe Bays and Tim Nolen
- 40 years – Wayne Garland (in the September 2018 newsletter we also congratulated Wayne on his recent nomination to AIChE Fellow!)
- 50 years – Allen Shifley



## 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 Lodal (Eastman)	April 9

## UPCOMING FEBRUARY PROGRAM

### AICHE - LOCAL, NATIONAL, GLOBAL.

AIChE is celebrating its 110th Anniversary as an influencer of the chemical industry. Please join us to hear from Monica Mellinger to learn more about how AIChE shapes the future of our profession, and to get your questions answered about what it means to be a member of this influential organization at a local, national, and global scale.

Monica Mellinger is AIChE's Senior Membership Associate. In this role, she is the staff liaison for all AIChE local sections, AIChE's Young Professional Members, AIChE's Fellows, and is the lead staff person running AIChE Engage discussion communities. She also dabbles with AIChE's undergraduate student programs, including assisting with the AIChE Chem-E Car Compe-

tion and helping graduating seniors transition to the professional world. She has developed a number of new AIChE member benefits and helped launch AIChE's Beer Brewing Competition and AIChE's 35 Under 35 Award. She has been with AIChE since 2013.

## UPCOMING MARCH PROGRAM

### CRYSTALLIZATION TECHNIQUES

GEA's business area "Solutions" specializes in the design and development of process solutions for the dairy, brewery, food, pharmaceutical, and chemical industries. GEA is recognized as a world leader within liquid processing, concentration (membrane systems, evaporation, and crystallization), industrial drying, powder processing and handling, emission control, solid dosage processing, and aseptic packaging. The Chemical Solutions Group located in Columbia, Maryland handles inquiries for process systems installation in the United States and

Canada. GEA's process technology center (PTC) for crystallization is located in Europe, working primarily with Kestner and Messo technologies. The PTC staff collaborates with the process engineering team in Columbia, Maryland to handle inquiries and to provide basic engineering during contract execution. Crystallization technologies offered by GEA include solution crystallization, melt crystallization and freeze concentration. Samuel (Sam) Bardoff is a Senior Process Engineer with GEA's Chemical Solutions Group, working out of the

organization's Columbia, Maryland location. He holds a Bachelor's Degree in Chemical Engineering from the University of Maryland, and has a patent for generating clean steam. Sam has extensive experience (more than 35 years) with vapor recompression technologies for evaporators, distillation systems, plus crystallizers, and has been focused on crystallization detailed process engineering for the last 7 years. Recent projects he worked / is working on include crystallization of: lithium hydroxide, lithium sulfate, sodium chloride, and potassium chloride.

## JANUARY PROGRAM SUMMARY

### DRIVING TO NET ZERO

Dave Hrivnak shared information about his journey from 7% over the average CO2 consumption by American families to 80% under. Dave taught us about house building with optimized solar generation, cars with a reduced CO2 footprint but not reduced performance, and easy things to change in our lifestyles that can reduce our CO2 footprint.

Dave's "Little Things" include energy star appliances, a battery powered lawn mower, and replacing lightbulbs to LED. To capture his journey and others from families around the US and Canada, Dave wrote a book: Driving to Net 0: Stories of Hope for a Carbon Free Future. For more information, visit Dave's website at [www.Hrivnak.com](http://www.Hrivnak.com).

## OUTREACH COMMITTEE

### MARINE TOYS FOR TOTS

For our December program, we partnered with the Marine Toys for Tots not-for-profit charity to bring in toys children in need. Sergeant Trey Burks spoke at the AIChE Christmas party. He highlighted that donations impact our immediate community; every gift goes to a local child. Sergeant Burks also expressed gratitude for the generosity of our AIChE section. We hope to work with this charity in the future, so keep your eyes open for toys to give!



### SCIENCE BOWL - VOLUNTEERS NEEDED!

Science Bowl Saturday! Maybe that's not the official title, but the Outreach Committee would like to invite all willing volunteers to help perform demonstrations and experiments on January 26, 2019 for students participating in the Science Bowl. Experiments will be preorganized, so you only need to show up! Time commitment will be one to give – 1 hour? Great! All day? Works for us! Please email [Angelina.Ortiz@eastman.com](mailto:Angelina.Ortiz@eastman.com) if you or interested or have questions. You can also register at <https://volunteerstatesb.wixsite.com/home/volunteer-info>. They are looking for close to 80 volunteers for the day!

IF YOU HAVE ANY SUGGESTIONS OF EVENTS FOR THE OUTREACH COMMITTEE, OR IF YOU KNOW OF VOLUNTEER OPPORTUNITIES FOR OUTREACH, PLEASE CONTACT ANGELINA ORTIZ AT [ANGELINA.ORTIZ@EASTMAN.COM](mailto:ANGELINA.ORTIZ@EASTMAN.COM).

## PROFESSIONAL ENGAGEMENT COMMITTEE

The YP Committee is rebranding to the Professional Engagement Committee! Our goal is to continue to provide social events for chemical engineers of all ages and their families and add some professional events. The first committee meeting will be held the last week in January. If you would like to attend the committee meeting or have suggestions for the Professional Engagement Committee, please contact Katie Devin ([kjdevin@eastman.com](mailto:kjdevin@eastman.com)).

IF YOU HAVE ANY SUGGESTIONS OF EVENTS FOR THE PROFESSIONAL ENGAGEMENT COMMITTEE, OR IF YOU KNOW OF VOLUNTEER OPPORTUNITIES FOR THE PEC, PLEASE CONTACT KATIE DEVIN AT [KJDEVIN@EASTMAN.COM](mailto:KJDEVIN@EASTMAN.COM).

## 2019 LOCAL SECTION OFFICERS, DIRECTORS, AND SUPPORT STAFF

<b>Chair</b>	Teni Butler	<a href="mailto:trbutler@eastman.com">trbutler@eastman.com</a>
<b>Vice Chair</b>	Erin Ekart	<a href="mailto:ErinEkart@eastman.com">ErinEkart@eastman.com</a>
<b>Secretary</b>	Kelsey Niehoff	<a href="mailto:Kelsey.Niehoff@eastman.com">Kelsey.Niehoff@eastman.com</a>
<b>Treasurer</b>	Allison Fiorini	<a href="mailto:Allison.Fiorini@eastman.com">Allison.Fiorini@eastman.com</a>
<b>Immediate Past Chair</b>	Rachel McLendon	<a href="mailto:rmclendon@eastman.com">rmclendon@eastman.com</a>
<b>Directors</b>	Tim Nolen	<a href="mailto:tnolen@eastman.com">tnolen@eastman.com</a>
	Rebecca Glaspie	<a href="mailto:rglaspie@eastman.com">rglaspie@eastman.com</a>
	Tracy Coates	<a href="mailto:tjcoates@nuclearfuelservices.com">tjcoates@nuclearfuelservices.com</a>
<b>Local Section Webmaster</b>	Tim Nolen	<a href="mailto:tnolen@eastman.com">tnolen@eastman.com</a>
<b>Short-Course Coordinator and Fundraising Chair</b>	David Scanlan	<a href="mailto:David.Scanlan@eastman.com">David.Scanlan@eastman.com</a>
<b>Outreach Committee Chair</b>	Angelina Ortiz	<a href="mailto:Angelina.Ortiz@eastman.com">Angelina.Ortiz@eastman.com</a>
<b>Professional Engagement Committee Chair</b>	Katie Devin	<a href="mailto:kjdevin@eastman.com">kjdevin@eastman.com</a>
<b>Membership Committee Chair</b>	Steve Miller	<a href="mailto:smmiller@eastman.com">smmiller@eastman.com</a>
<b>Newsletter Editor</b>	Alexandra Kleven	<a href="mailto:akleven@eastman.com">akleven@eastman.com</a>

## LOCAL COMPANY CONTACTS

<b>Eastman Chemical Company</b>	Teni Butler <a href="mailto:trbutler@eastman.com">trbutler@eastman.com</a>
<b>BAE Systems</b>	Kelly Seeger <a href="mailto:kelly.seeger@baesystems.com">kelly.seeger@baesystems.com</a>
<b>Nuclear Fuel Services</b>	Tracy Coates <a href="mailto:tjcoates@nuclearfuelservices.com">tjcoates@nuclearfuelservices.com</a>
<b>Domtar</b>	Rhonda Smith <a href="mailto:rhonda.smith@domtar.com">rhonda.smith@domtar.com</a>

## VISIT US ONLINE!

### WEBSITE

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

All past presentations are available on our website!



AIChE East TN



<https://www.linkedin.com/groups/8520379>