



THE PIPELINE

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Points of Interest:

- October Program Recap: Holston Army Ammunition Plant history
- East TN local section election information

LETTER FROM THE CHAIR

NOAH McMILLAN



It's hard to believe that the end of the year has already rolled around. As the days get shorter and the last

leaves fall off the trees, the thoughts of East Tennessee AICHe local section members naturally drift toward...local section officer elections! Yes, it is once again time to elect new local section officers for the new calendar year. Please take some time to read the information in this issue of the Pipeline about each of the

candidates - hopefully you already know some of them. Each candidate is well-qualified and energized to serve the local section, so vote for your candidate of choice with confidence.

Please note that you can only vote if you are a local section member. Our Secretary has worked hard to keep our member roster current, so if you are a member you can expect to receive a ballot with instructions for voting during the month of November. We will announce the results of the election in early December.

Did you know...

If you are located outside of Kingsport, the East Tennessee local section conducts each regular monthly meeting via teleconference. In addition to the primary meeting site at Eastman, we also have satellite groups that join us on the phone from BAE Systems and NFS. If you are an individual or small group who wants to participate in the monthly meeting via teleconference, please contact one of the local section officers and we will provide you with the teleconference information.



Last month, AICHe toured the state of the art 26,000 square foot Regional Center for Advanced Manufacturing, also known as RCAM. Our group met with Jeff Frazier, who is an Eastman Employee, but is also the Director of Training and Development for RCAM. Jeff said that many of the employees at RCAM are professions that still work full time manufacturing jobs around our area, but are interested in teaching in the evenings. After Jeff explained

the impressive history of RCAM, being one of the best technology training centers in the state of Tennessee, he showed us around the facilities and the many hands-on training labs. RCAM offers labs in Electromechanical Technology, Mechanical Technology, Welding/Metal Fabrication, Chemical Process Operations, and Electrical Technology. Much of their goal is to help build a better and more skilled 21st century workforce, and to get people

from 6th grade and older interested in science and technology. Overall, it was a very informative and impressive tour. If you have any questions about workshops or training opportunities RCAM can offer you or your company, feel free to contact Jeff Frazier (jfrazier@eastman.com).

PROGRAM NOTES

September 2013: A New Golden Age of Chemical Engineering by Dr. Phil Westmoreland

Phil Westmoreland is the 2013 President of AIChE and delivered his perspective on the state of chemical engineering today.

October 2013: BAE Systems & Holston Army Ammunitions History by Dr. David Price

David Price discusses historical and new products of BAE, along with the history of BAE Systems and Holston Army Ammunition Plant.

November 2013: Think you have a patentable invention? Learn Your Patent Fundamentals First by Dr. James K. Leonard

James Leonard discusses the US patent system from the perspective of a scientist with extensive background and training in patent law.

PROGRAM RECAP: BAE SYSTEMS & HOLSTON ARMY AMMUNITIONS HISTORY, DR. DAVID PRICE

Dr. David Price, Holston Research and Development Manager at Ordnance Systems Inc., part of BAE Systems Inc., the Operating Contractor of Holston Army Ammunition Plant in Kingsport, Tennessee delivered the October program talk. Dr. Price gave an overview of the Holston Army Ammunition Plant while discussing:

- History of the Holston Plant
- History of BAE Systems Inc.
- Historical Holston products
- New Holston products
- Future Holston products

His talk brought the East Tennessee Local sec-

tion from Holston's origins as a RDX Plant in World War 2 through present day and traced BAE's ancestries as far back as Waltam Abbey Supplies, best known as the gunpowder provider for "The Gunpowder Plot." He discussed historical explosives products including RDX and HMX and introduced the section to Holston's next generation of insensitive, high energy munitions.

Before Dr. Price's presentation, the AIChE East Tennessee Local Section recognized its 25+ and 40+ year members. The picture below shows those 40+ year members in attendance.

David Price of BAE Systems gave the East TN Local Section program audience a historical perspective on the Holston Army Ammunition Plant.



The AIChE East TN Local Section would like to recognize and congratulate our 40+ Year Members. Thank you for your continuing loyalty to the local chemical engineering profession.

EAST TN LOCAL SECTION ELECTION ANNOUNCEMENT

2014 AIChE OFFICER NOMINEE BIOGRAPHIES

Candidates for Director

Joe Bays



Joe has been a member of AIChE for over 25 years, and has always been an active member of the local section during that time. Over the years, he held several elected positions in the local AIChE chapter and served several terms on the programs committee. He is excited to see the local section's continuing great programs while encouraging growth and new members. Joe began his chemical engineering career in Process Engineer-

ing, then spent several years in Chemicals Development. He is currently the technology manager for acetyls licensing at Eastman. He has chemical engineering degrees from Virginia Tech (B.S., 1988) and the University of Tennessee (M.S., 1994), and is a registered professional engineer in the state of Tennessee.

R.C. Ramaswamy



RC has bachelors, masters and Ph.D in chemical engineering and has been with Eastman Chemical Company since 2006. He started his career in chemical development division of Eastman right after his PhD at Washington University in St. Louis. The early assignments include process improvement, process development, reactor design, troubleshooting and scale up. He moved to Eastman Research Division in 2010 to support

the new growth opportunities and became the first group leader of a newly formed group, Reaction Engineering Research, in 2012. After one year, he moved to lead a market-facing development group. He has been a member of AIChE since 2003 and has been a supporter of the local section since 2006. He has served on the program committee for a two years and was the co-chair of national Leadership Development Conference in 2010 - a highly successful event hosted by our local section. At the national level, he leads the multiphase reaction engineering sessions at the Annual Meetings. His passions includes reaction engineering, innovation, strategy development, people development, and mentoring.

Candidates for Vice Chair

Daniel Crandall



Daniel Crandall is a graduate of Clemson University. He started his career at Eastman in June, 2011 in the Chemical Process and Environmental Technology Group under Jerry Bewley. His work over the past few years has focused on the DMT debottlenecking project. This year, Daniel helped lead the DMT SER as Engineering Manager, and worked very closely with operations and our Alliance Contractors. Daniel has been involved in

the local section of AIChE since joining Eastman, and has been an active member of the Programs Committee for the last two years. Daniel has been a member of his student chapter of AIChE since 2007, and has presented research and attended four regional conferences. Overall, Daniel's leadership abilities would be a great asset in helping make our local section the best in the Nation!

Braxton Sluder



Braxton Sluder joined BAE Systems in 2010 from Eastman Chemical Company, where he began his career in cellulose esters new product development. In the Acids Division at BAE Systems, Braxton is responsible for operations management, crisis management teams, customer technical services, and early project development to support the production of energetic materials. He also serves on

the Sulphur Springs Community Chest, the ETSU Wesley Foundation board, the United Emmaus board, the Sulphur

Springs Fire Department, the Mountain Empire Grotto, and the Fairview UMC council. Braxton has been very involved with AIChE since college including work on a national champion fuel-cell car team, organizing conference trips, secretary of the TN Tech chapter of AIChE, mentoring programs like Engineers' Week, treasurer of the East Tennessee local section (2011), and programming committee & corporate coordinator (2012). Attending the AIChE leadership workshop this past summer, Braxton returned with many ideas to lead the section successfully in the future. Braxton currently serves as Secretary of the East Tennessee local section in 2013.

Candidates for Secretary

Jason Carter



Jason was active in the AIChE student chapter at Texas A&M University - Kingsville. After some interesting summer work experience which included South Texas Nuclear Project, Plant Vogtle, and Celanese, he joined Milliken & Co. as a process engineer at a dyeing & finishing plant (textiles). He joined Eastman at the Longview, TX site after 3 years with Milliken. Jason was active in and is a

past Chair of the East Texas local section of AIChE. At the 1993 AIChE Officers Conference, he was a spokesperson for the "small" sections group as they made an effort to keep national membership dues to a minimum (with limited success!). While in Longview, Jason was assigned to R&D supporting, in turn, the hydrocarbon cracking plants, pilot plant operations, and Epolene/Eastoflex waxes & adhesives. He also worked a short 2-yr. assignment to Singapore for the early construction of an oxo aldehyde plant. In 2001, Jason was transferred to Eastman's PET plant near Columbia, SC. While there, he remained involved in AIChE activities despite limited activity by the local Palmetto chapter. Since 2007, Jason has been located at Tennessee Eastman and is currently an Area Manager in Utilities Division (WWT). He has served the local section on the programming committee for the past two years.

Esmeralda Luna-Ramos



Esmeralda Luna-Ramos has been with Eastman Chemical Company for 4 years. She interned in 2008 in the Chemical Process Technology group and returned full time in 2009, where she was in the Plant Design Group through the first part of this year. She is currently on a rotational assignment in Corporate Audit.

Esmeralda has been involved with several organizations inside and outside of Eastman. She has served as the Membership Chair for the 2012-2013 term and also on the Program's Committee. She is also involved with Eastman's GEM4STEM program and has participated in various activities on-site for students visiting Eastman and has gone to local schools in the area to speak with students about engineering. Currently, she volunteers as a translator for parent-teacher conferences in local schools. She has served on the Industrial Correspondence Committee for National Chemistry Week. Esmeralda has helped with various recruiting events such as career fairs, AIChE student chapter events at NCSU, the 2012 SERMACs conference in Raleigh, NC, and the Ambassador Leadership Forum for Engineering Ambassador students this year. Outside of Eastman, she has volunteered for the United Way's Young Leaders Society (YLS) and the Big Brother Big Sister program as a "Big Sister" for a first grader at Andrew Johnson Elementary. Esmeralda was a member of the student chapter of AIChE at her university since 2006 and upon graduation; she has been a member of the local NE TN AIChE chapter. During this year's National Engineer's Week, she was nominated by AIChE as one of the New Faces of Engineering and was featured in *USA Today*. Esmeralda is currently serving as the Treasurer of the local AIChE chapter and would like to continue her service with the organization.

Candidates for Treasurer

John Franjione



John Franjione has been with Eastman Chemical Company since 1995 in Polymers Technology, Corporate Research, and now Process Engineering. He has been a member of AIChE since 1989, a local section member since 1995, and served on the Programming Committee in 2011-2012 and 2012-2013. You

probably know him as the witty pizza labeler guy (PEPPER OWE KNEE). If elected treasurer, he promises to write the right checks, deposit the deposits, and balance the books without threatening a shutdown, increasing taxes, or breaching the debt ceiling. He will not attend any officer meetings dressed as a shark. The cutie in the picture is his daughter Anna.

Alexandra Kleven



Alexandra Kleven is a chemical engineer working in Engineering Research in the Eastman Research Division. She graduated from Clemson University with a B.S. chemical engineering degree in May 2013 and began her work at Eastman in July 2013. Although she has not been at

Eastman for an extended amount of time, she has already become involved in the local AIChE section as a member of the Programs Committee, working to establish outreach events in the community. At Clemson, she was heavily involved in the student AIChE section for three years. She aided in the planning, organization, and execution of the 2012 Southern Regional Conference, hosted by Clemson. As president for the 2012-2013 term, she endorsed the student chapter to various companies and increased student involvement. She promoted fundraising and networking through the chapter as well. As the treasurer for the AIChE local section, she will utilize her enthusiasm for AIChE and her strong leadership skills to help maintain the success of our chapter and stimulate its growth.

A Message from the Webmaster, Tim Nolen

It's time to vote for new local section officers for 2014. As with last year, we're using an online voting tool. This tool is secure and votes are verified by the email address of the voter. Candidate biographies are also available in the online ballot.

VOTING WILL CLOSE DECEMBER 6, 2014

Please contact Tim Nolen at tnolen@eastman.com if you have questions or if you didn't receive a ballot and feel that you should have.

Eastern Tennessee Local
Section

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2013 Local Section Officers, Directors, & Support Staff

Chair:	Noah McMillan	229-8114
Chair-Elect and Program Committee Chair:	Lane Daley	229-3064
Secretary:	Braxton Sluder	578-6225
Treasurer:	Esmeralda Luna-Ramos	229-8501
Directors:	Paul Fanning	229-8500
	Mark Harrison	229-6952
	David Hitch	229-5398
	Tim Nolen	229-8287
Local Section Webmaster:	Mark Shelton	229-4753
Short-Course Coordinator:	Joe Parker	229-3850
Professional Development Coordinator:	Braxton Sluder	578-6225
Corporate Relations Coordinator:	Jordan Keith	229-6218
AICHE Pipeline Newsletter Editor:	Lane Daley	229-3064
ETEAC Representative:		

2013 Local Company Contacts

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Nuclear Fuel Services Inc., a subsidiary of The Babcock & Wilcox Company	Tracy Coates tjcoates@nuclearfuelservices.com
Domtar	Rhonda Smith, Process Control Engineer 423-392-2797, Rhonda.Smith@domtar.com

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Eastman Employees Only:

Are you a professional engineer seeking to meet state continuing education requirements for professional development hours (PDH's)? If so, please visit this website for a list of potentially eligible courses and more information: [Continuing Education for Professionals](#)

