

# THE PIPELINE

## Letter From the Chair: Lane Daley

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March 2014

Why are you involved in AIChE? Is it the leadership opportunities? Or maybe the technical expertise gained in our programs? Well, we have two awesome, new opportunities available to you! As we roll into March, our local section of AIChE is trying new and wonderful avenues to promote the field of chemical engineering. These new events will be fun and promote the family culture that we all enjoy in our local section of AIChE. The first avenue to achieve this goal is through networking events organized by the young professionals group – see Dan Crandall's note below to learn more. The second means of achieving that goal is through outreach opportunities. There will be more to come on this topic in the next issue of the *Pipeline*. Regardless of what you are looking for from AIChE – whether its learning, networking, or outreach opportunities – our local section will soon offer them all.

Do you have comments? We would like to hear from you. Please contact Lane Daley (423 229 3064 or [ada-ley@eastman.com](mailto:ada-ley@eastman.com)).



### Newsletter Spotlight

ASME Egg Drop

Upcoming LOPA talk by  
Wayne Chastain

eChemExpo: May 1, 2014

Young Professionals Group  
Revamped

## Announcements

**ASME Egg Drop Volunteers Needed**

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**April Program Announcement:**  
**Wayne Chastain, Eastman Chemical Company**  
**Wednesday, April 16, 11:30am-1:00pm, B-150 Auditorium**

**Title:** "Advances in Layers of Protection Analysis"

**Wayne Chastain** has over 20 years of experience in chemical process safety with Eastman Chemical Company. He specializes in the areas of reactive chemistry, overpressure protection, and risk analysis. Mr. Chastain has been using the Layer of Protection Analysis technique for 13 years and has authored multiple papers on the LOPA methodology. Mr. Chastain served as the chair for the CCPS subcommittee for Guidelines for Enabling Conditions and Conditional Modifiers in Layer of Protection Analysis released in November of 2013 and on the soon to be released Guidelines for Initiating Events and Independent Protection Layers in Layer of Protection Analysis. Mr. Chastain will also chair the CCPS subcommittee developing an evergreen online LOPA database



**Wayne Chastain**  
**Chemical Engineer,**  
**Plant Protection,**  
**Eastman Chemical**  
**Company**

## February Program Recap: Insanity and Process Safety, Dennis Hendershot and John Herber

Dennis Hendershot  
CCPS  
PSM Boot Camp  
Instructor



John Herber  
CCPS  
PSM Boot Camp  
Instructor

Our February 17<sup>th</sup> program featured Dennis Hendershot and John Herber, CCPS consultants and PSM Boot Camp Instructors. Dennis and John focused their talk on the February Safety Beacon about Repeating Incidents. Dennis described an incident at Rohm and Haas where a lack of cooling water flow to a column condenser and slow LEL detector response time caused the vented organics to be ignited in the incinerator and a subsequent explosion in the fan. John described a similar incident that occurred at 3M Company, as well as two similar exothermic adsorption incidents in the US and Norway. They then highlighted several steps that can be taken to prevent repeating incidents, such as improving incident investigations, sharing, and corrective action. The East Tennessee section of AIChE is grateful to Dennis and John for their time and effort in providing this informative program.

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## March Program Recap: Technology Licensing, Mark Proffitt, Eastman Chemical Company



Mark Proffitt  
Eastman Chemical Co.

Mark Proffitt, Director of Technology Licensing at Eastman Chemical Company, discussed licensing and its impact on the chemical industry. Mark's presentation began with a description of technology licensing and outlined several different types of licenses such as patent and trademarks, formulations and compositions, and processes and procedures. A key advantage of licensing is the value capture made up of a large sum payment with the possibility of running royalties. Companies engaged in a licensing agreement must outline expectations that are often incorporated into performance guarantees. Mark also discussed the hurdles that chemical companies face when trying to apply a license to existing plants rather than a greenfield construction. Technology licensing is a valuable business tool that, when executed with appropriate planning and preparation, can be beneficial to both the Licensee and the Licensor. The East Tennessee section of AIChE is grateful to Mark for his time and effort in providing this enlightening program.

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## **A Message from Dan Crandall on the East Tennessee Local Section Young Professionals Group**

In college, AIChE was utilized for career fairs, resume building, workshops, and networking to find a job, but have you ever asked yourself what can AIChE offer me after I've finished school? The truth is, A LOT! The local East Tennessee chapter of AIChE has created the Young Professionals Committee to help bridge that gap between college life and your professional career.

### ***WHAT CAN AICHE OFFER ME AFTER COLLEGE?***

The East Tennessee local section of AIChE is one of the largest and best local sections in the world! Becoming a member of AIChE allows you to gain visibility, find job opportunities, build a professional network, stay up-to date with industry, attend technical conferences, and make a bigger contribution to your field. YPC is here to help bridge the gap between college life and your professional career.

### ***WHY SHOULD I JOIN THIS YOUNG PROFESSIONALS COMMITTEE?***

Young Professionals Committee is unique because it is exclusively for Chemical Engineers. The organizers of this group have goals and aspirations that align with yours, and will ensure that every program and activity is designed to meet that purpose. Our mission is to help you succeed in your career by building long-lasting professional relationships.

### ***WHO SHOULD JOIN THE YOUNG PROFESSIONALS COMMITTEE?***

Anyone from the East Tennessee region that is a Chemical Engineer can join YPC. Most of the development programs will be designed for those with less than 10 years of experience, but most social events will be open to all Chemical Engineers to allow for a greater networking experience!

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Eastern Tennessee Local Section

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### **2014 Local Section Officers, Directors, and Support Staff**

Chair	Lane Daley	229-3064
Chair-Elect and Program Committee Chair	Braxton Sluder	578-6225
Secretary	Esmeralda Luna-Ramos	229-8501



Treasurer	Alexandra Kleven	224-9414
Directors	Paul Fanning	229-8500
	David Hitch	229-5398
	Joe Bays	229-5854
Local Section Webmaster	Tim Nolen	229-8287
Short Course Coordinator	Mark Shelton	229-4753
Professional Development Coordinator	Joe Parker	229-3850
Corporate Relations Coordinator	Braxton Sluder	578-6225
Young Professionals Committee Chair	Dan Crandall	229-2979
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