



## American Institute of Chemical Engineers Knoxville-Oak Ridge Section

For additional information see our Web site at: <http://www.ornl.gov/sci/aiche/>  
Or contact: Paula George, [georgepm@ornl.gov](mailto:georgepm@ornl.gov), (865)576-0603 or  
Rita Gray, [rgray22@utk.edu](mailto:rgray22@utk.edu), (865)974-5356

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## September 2014 Meeting

Date: Thursday, September 18, 2014  
Cost: \$20  
Location: Rothchild Catering and Conference Center, 8807 Kingston Pike, Knoxville TN

5:30 pm Executive Committee Meeting (All members welcome)  
6:00 pm Dinner  
7:00 pm Program – Mark McKinney, Project Engineer, First Utility District of Knox County, ***An Introduction to Knox Pro Corps and It's Work in the Ulpan Valley of Guatemala***

**Abstract** – Knox Pro Corps (KPC) began in 2011 with a group of engineers and other technical professionals desiring to use their skill sets to help people in places where professional services are not readily available or affordable. KPC began working CAFNIMA in the Ulpan Valley of Guatemala to help design and construct water distribution systems. Since 2011, KPC's volunteers have worked in Guatemala, Haiti, Mozambique, Knoxville and several areas in Appalachia. This presentation will give a brief introduction to KPC, describe the types of projects in which it has been involved, and discuss some of the technical and social challenges of developing new infrastructure in a place like the Ulpan Valley of Guatemala.

**Bio** – Mark McKinney, P.E. is a Project Engineer with First Utility District in Knox County. He received a BS in Civil Engineering and a MS in Environmental Engineering from the University of Tennessee. He enjoys spending time with his wife and four children all of whom joined him for a year in Guatemala as he designed water systems in the Ulpan Valley.

**Please make your reservations by noon September 16 by contacting**

Paula George, [georgepm@ornl.gov](mailto:georgepm@ornl.gov), (865)576-0603 or  
Rita Gray, [rgray22@utk.edu](mailto:rgray22@utk.edu), (865)974-5356

***The Section will subsidize up to 15 students,  
including graduate students***

***Acknowledgement*** – The local chapter of AIChE would like to extend a special thanks to Merrick and Company for sponsoring the annual board of directors planning meeting. Merrick and Company provides Architecture and Engineering support both here in the Knoxville area as well as other office locations. More information about Merrick and Company can be found via [www.merrick.com](http://www.merrick.com) or by contacting local AIChE chair-elect Kyle Mack at [kyle.mack@merrick.com](mailto:kyle.mack@merrick.com).

## TSPE 2015 Engineers Week Banquet – February 19, 2015

### Save the Date

February 19<sup>th</sup>, 2015

6 pm – 9pm

The Knoxville Chapter of the Tennessee Society of Professional Engineers  
presents:

### The 2015 Engineers Week Banquet

Featuring the contributions and accomplishments of engineers  
and our partners in education, government, industry,  
infrastructure, and construction.

Sponsorship and reservation information to follow.

All proceeds go to the TSPE scholarship program and  
Grants for Engineering, Arithmetic,  
and Science Program (GEARS)



**Tennessee Society of  
Professional Engineers**

*A state society of the National Society of Professional Engineers*

## Job Resources and Support Group

The following is an open invitation from Joe Carson, Chair of East Tennessee Section of ASME, to participate in a job resources and support group that is held on Monday mornings at the Fellowship Hall of Concord United Methodist Church in Farragut. Please share this information, as appropriate, with your friends and co-workers.

Dear East Tennessee Area Engineering Society leaders,

Mike Fields is a retired human resource executive who leads a weekly "Job Resources and Support Group" on Monday mornings from 9:15-11:15 in the Fellowship Hall of Concord United Methodist Church [www.concordumc.com](http://www.concordumc.com) in Farragut (West Knox County).

If any of your members are unemployed, under-employed, or thinking of a job change, they are invited to participate, give and receive support, and share skills and information about re-employment. The group has a number of engineer and scientist participants. I hope you will consider making them aware of this community resource.

Mike can be contacted at [mdf32844@yahoo.com](mailto:mdf32844@yahoo.com).

Respectfully,

Joseph Carson, PE  
Chair, East Tennessee Section ASME  
[carsonj@asme.org](mailto:carsonj@asme.org)  
865-300-5831

East Tennessee Section's ASME Community webpage:  
[https://community.asme.org/east\\_tennessee\\_section/default.aspx](https://community.asme.org/east_tennessee_section/default.aspx)

East Tennessee Professional Societies joint website:  
<http://et-professional-societies.com/>

## Student Posters at Monthly Meetings

The local section of AIChE is continuing its collaboration with The University of Tennessee to provide a forum for the presentation of posters on student research projects. The plan is to have one or more student posters at each meeting. The membership and visitors are welcome to view the posters and discuss the research with the student either prior to dinner or after the scheduled program presentation.

THE UNIVERSITY of TENNESSEE   
KNOXVILLE

## Activities Calendar

Date	Time	Topic	Speaker	Location
Sept 18	6:00 PM	An Introduction to Knox Pro Corps and It's Work in the Ulpan Valley of Guatemala	Mark McKinney, First Utility District	Rothchild's, Knoxville TN
Oct 23	6:00 PM	Earthquake Hazards in East TN	Robert Hatcher, UTK	Rothchild's, Knoxville TN
Nov 16-21		2014 AIChE Annual Meeting		Atlanta Marriott Marquis Hilton, Atlanta GA
Nov 20	6:00 PM	Alternative and Advanced Fuels	Jim Szybist, ORNL	Rothchild's, Knoxville TN
Dec 18	6:00 PM	Finance related topic TBD	David Moon, Moon Capital Investments	Rothchild's, Knoxville TN
Jan 15	6:00 PM	What is everything made of? The quest for the ultimate building blocks of the physical universe- Joint with ASM	Soren Sorenson, UT Physics Department	Rothchild's, Knoxville TN
Feb 19	6:00 PM	Pu-238 Production – Joint with ANS	Bob Wham, ORNL	TBD
Mar 12	6:00 PM	Proton Therapy	TBD	Rothchild's, Knoxville TN
Apr 16	6:00 PM	3D Modeling and Engineering	Jack Kissell, Modern Tech	TBD
Apr XX		UT Department of Chemical & Biomolecular Engineering Awards Banquet		TBD
May 14	6:00 PM	TBD	TBD	McClung Museum

## Sponsoring Opportunities

We continue to accept advertising in the newsletter in order to provide funds to support student participation in the meetings.

Rates per newsletter are:

**\$80** full-page advertisement

**\$45** half-page advertisement

**\$25** quarter-page advertisement

The section will also continue to accept individual or corporate sponsors to provide student meals at section

meetings. The sponsor will be recognized at the meeting and in the Newsletter.

The cost to sponsor one meeting is **\$200**. It's a great way to encourage students to attend the local meetings and become future members in the Institute!



Center for Nanophase Research – ORNL  
(Photo courtesy of DOE Digital Photo Archive  
<https://www.flickr.com/photos/oakridgelab/>)

## Officers

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*"The greatest leader is not necessarily the one who does the greatest things. He is the one that gets the people to do the greatest things."*

**Ronald Reagan**  
1911-2004

40<sup>th</sup> President of the United States

## Knoxville - Oak Ridge Section

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**We're on the Web!**

See us at:

<http://www.ornl.gov/sci/aiche/>

Editor: B. Lewis

## About Our Organization...Fall 2014 Virtual Career Fair - Jobseekers

AIChE will hold the Fall 2014 Virtual Career Fair on November 5<sup>th</sup> from 12:00 to 3:00 p.m. EST. In addition, the time slot from 3:00 to 4:00 p.m. EST has been reserved for students.

Whether you're an active job seeker or just at the point where you are willing to explore new opportunities, AIChE is the best source for jobs that are targeted to your career goals and experience. Connect with leading process industry and other employers seeking talent, from entry-level BS engineers to experienced PhDs.

### Benefits of AIChE's Online Career Fair:

- Visit online booths to review company profiles and find out about job openings
- Chat live with

recruiters

- Register before the event
- Create custom job alerts
- Build or upload your resume

Before taking part in the Online Career Fair, consider polishing your job hunting skills by taking advantage of AIChE's many career webinars. [Click here](#) to find out more.

Remember, AIChE members have an advantage. Member resumes are given "front of the line" placement in the resume database. Plus, employers value AIChE membership as a demonstration of commitment to professional excellence.

Not a member? Unemployed membership rates are only \$50.

[Become a member](#) and save on all of our career and technical services.

Source: National AIChE website, <http://www.aiche.org/resources/conferences/events/career-fair/2014-11-05>

**P.O. BOX 2008  
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