

American Institute of Chemical Engineers Knoxville-Oak Ridge Section

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For additional information see our Web site at: <http://www.ornl.gov/sci/aiche/>
Or contact: Linda Puckett, puckettlf@ornl.gov, (865)574-6147 or
Christina Wilson, csoto@utk.edu, (865)974-2421

December 2011 Meeting – Bring Your Spouse Night

Date: Thursday, December 8, 2011
Cost: \$20
Location: Calhoun's, Turkey Creek, Farragut, TN – Private dining area
Menu: Buffet (Special menu available upon request)

5:30 pm Executive Committee Meeting (All members welcome)
6:00 pm Dinner
7:00 pm Program – Mr. David Moon, President of Moon Capital Management,
Planning for Retirement at various stages in your life/career

Abstract – Planning for Retirement at Various Stages in your Life/Career Devising a strategy for allocating your financial assets during your retirement years isn't the most complex process you will undertake in your life, but it isn't as simple as some people might think, especially given the current low level of interest rates. This process involves a delicate reconciliation of your goals, assets and fears. David Moon will discuss this balancing act that often requires trade-off between algebra and emotion.

Bio – David Moon, President of Moon Capital Management, is also a regular contributor to CNBC's "After The Bell." His editorial writing has been featured in the Wall Street Journal, Barron's and Corporate Board Member magazine. He currently pens a weekly commentary for newspaper publisher Scripps. David earned bachelor's and MBA degrees (both cum laude) from the University of Tennessee, where he was named a member of the Academic All-Southeastern Conference football team his senior year. He was an adjunct professor in the finance department of his alma mater from 1995 to 2002. He earned the Chartered Financial Analyst designation in 1995.

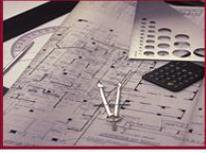
David is also the author of "Thoughts Are Things®," a series of daily devotionals for elementary and middle school-aged students and their families. Each reading includes a new lesson about spirituality, responsibility, planning, goal setting, relationships, gratitude or love. As a companion to this web-based series, David has compiled "Thoughts Are Things® for Investors," in a page-a-day calendar for 2012.

Along with his wife of 26 years and their 11-year-old twins, David lives on an east Knox County farm where his life regularly resembles old episodes of "Green Acres."

This is a Bring Your Spouse / Significant Other Event
Please make your reservations by noon, December 8, by contacting

Linda Puckett, puckettlf@ornl.gov, (865)574-6147 or
Cristina Wilson, csoto@utk.edu, (865)974-2421

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



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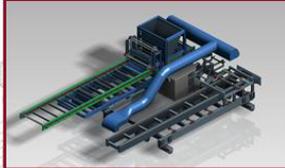
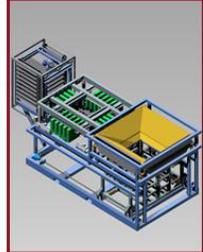


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November Meeting Recap – *The Natural Gas Midstream Industry*

At the November 17 meeting of the Knoxville-Oak Ridge Section of AICHe, Richard (Dick) Denney, Senior Project Manager with SAIC Energy, Environment & Infrastructure LLC, gave a presentation on the Natural Gas Midstream Industry in the United States as it relates to the overall domestic hydrocarbon supply and

demand. In his presentation he defined the Midstream and provided an understanding of the common terms used in the Natural Gas Midstream Industry. In addition, he presented the factors that are the basis for the economics and generation of income by the Natural Gas Midstream Industry, including the

historical relationships between crude oil, natural gas, and natural gas liquids prices; typical natural gas commercial contract terms; and examples of the role of Chemical Engineers in the Oil and Gas Midstream Industry in asset valuation and risk mitigation.

Recognition of Member Awards and Honors

The local section would like to recognize our members that have received awards or honors associated with their service to the profession or the community. If you have received an award or honor, or know of others that have received an award or honor for their service, we would appreciate

it if you would share the details so that we could recognize these accomplishments in the newsletter.

Please forward your input to either Linda Puckett (puckettlf@ornl.gov) or Ben Lewis (lewisbejr@ornl.gov).

Ballot — Knoxville-Oak Ridge AIChE Officers for 2012

Chair – Jarrod Clark
(Automatic Succession from Chair-Elect)

Chair-Elect (Select one)

Abhijit Tarafder
 Write in _____

Secretary (Select one)

David DePaoli
 Write in _____

Treasurer (Select one)

Paul Taylor
 Write in _____

Director (Select two)

Thomas Busmann
 Kyle Mack
 Write in _____

Please bring ballots to December meeting, or send by email to: Linda Puckett at puckettlf@ornl.gov or by postal mail to:

Knoxville-Oak Ridge Section, AIChE
C/o Linda Puckett,
Oak Ridge National Laboratory,
P. O. Box 2008-6152,
Oak Ridge, TN 37831-6152

Thomas G Busmann (Tom), P.E., is Vice President and Manager of Process Engineering with Focus Environmental, Inc. He is a registered professional chemical engineer with more than 30 years of experience serving numerous clients by concentrating on solutions to clients' regulatory compliance concerns. His experience includes performing technology assessments, evaluating the feasibility of solutions, preparation of operating manuals, preparation of designs and documents, delivering operator training, and achieving successful demonstration of performance for facilities achieving compliance under the various Clean Air Act (CAA) requirements. Tom is a 1980 graduate from University of Idaho where he obtained a BS degree in Chemical Engineering. He has previously served as Director and Chair for the local section.

David DePaoli is the group leader of the Separations and Materials Research group of the Energy and Transportation Science Division at Oak Ridge National Laboratory. The group conducts fundamental and applied research aimed at applying chemical engineering principles to topics of national interest, including efficient chemical processing, advanced energy technologies, high-performance computing, and nanotechnology. David received a BS in chemical engineering from the University of Michigan, and a PhD in chemical engineering from the University of Tennessee. He has previously held several officer positions in the Knoxville-Oak Ridge local section and was a director of the Separations Division of AIChE from 2003 through 2007.

Kyle Mack is in his third year as a design engineer for Merrick and Company after graduating from the University of Tennessee with a Bachelors of Science in Chemical Engineering in 2009. As a student he was involved with the student chapter of AIChE and attended many of the regional conferences. Also while at school he performed co-op rotations at Eastman Chemical Company in Kingsport, TN and green engineering projects at the Oak Ridge National Laboratory.

Abhijit Tarafder is currently working in the Chemistry department of University of Tennessee, Knoxville. His research area is designing chromatographic separation processes for pharmaceutical and fine chemical industries using supercritical carbon-dioxide as a solvent. He has a diverse set of experiences of working in different areas of chemical industries, at countries all over the world. He has worked as a process engineer in India in the air separation division of Praxair India Private Limited, a fully-owned subsidiary of Praxair Inc. After completing his PhD, he worked as a research fellow in the chemical engineering department of the National University of Singapore, designing and optimizing bulk chemical processes, like ethylene and styrene manufacturing units. After that he moved to Zurich, Switzerland to work at the interface of academia and industry. He has developed optimized chromatographic methods for separating peptides for pharmaceutical companies like Novartis, and developed software for designing simulated moving bed (SMB) chromatographic operations. He has done his BChE from Jadavpur University and PhD from Indian Institute of Technology Kharagpur, both in India.

Paul Taylor, P.E. is a senior development engineer in the Fuel Cycle and Isotopes Division at Oak Ridge National Laboratory. He has been the membership chairman of the local section for many years, and has previously served as Chair, Treasurer, and Director. Paul is a registered professional engineer, and is a member of the National Society of Professional Engineers and the Water Environment Federation in addition to AIChE.

Knoxville-Oak Ridge Section Sponsors 2012 Tennessee Regional Science Bowl

One of the Knoxville-Oak Ridge Section's community outreach activities is to provide sponsorship to the Tennessee Regional Science Bowl (TSB). The TSB is a fast-paced academic competition that offers teams of high school students from across the state of Tennessee a chance to compete in math and science. The winner of the competition advances to the National Science Bowl® in Washington, D.C., on April 26-30, 2012. The TSB (<http://www.ora.gov/sciencebowl/>) will be held at the Blount County Campus of Pellissippi State Community College in Friendsville, TN on March 2-3, 2012. In recognition of the Section's contribution of \$100 to the TSB, we received the letter of appreciation below from the Oak Ridge Associated Universities 2012 Science Bowl Coordinator and Project Manager. The Science Bowl is looking for volunteers, so if you are interested in assisting with this worthwhile activity, there is a volunteer participation form on their website (<http://www.ora.gov/sciencebowl/volunteers/volunteer-index.shtml>).

October 19, 2011

Mr. Paul Taylor
Oak Ridge National Laboratory
Building 4500N, MS-6243
P.O. Box 2008
Oak Ridge, TN 37831-6243

Dear Mr. Taylor:

Thank you so much for the donation of \$100 from the American Institute of Chemical Engineers, Knoxville-Oak Ridge to support the 2012 Tennessee Regional Science Bowl (TSB)! We are extremely grateful to have your organization as a member of the TSB Sponsor Community and as a **Bronze Sponsor** again this year! We highly value your continued support of the TSB and our partnership with you to advance STEM education opportunities for these bright and deserving students.

Once again, we sincerely thank you for your donation and for your contribution to the success of the 2012 TSB. We will use your donation wisely!

Warmest regards,



Martha Hammond
Project Manager and 2012 Science Bowl Coordinator
Science Education Programs
Oak Ridge Associated Universities

Phone: 865-576-2564
Fax: 865-576-1609
Martha.Hammond@ora.org

Activities Calendar

Date	Time	Topic	Speaker	Location
Dec 8	6:00 PM	Planning for Retirement at various stages in your life/career	David Moon, Moon Capital Management	Calhoun's, Turkey Creek
Jan 19	6:00 PM	Consulting Liabilities and Ethics	Carter Boardman	Calhoun's, Turkey Creek
Feb	6:00 PM	Joint Meeting with ANS	TBD	TBD
Mar 15	6:00 PM	Process Safety Analysis, PHA, HAZOP	Bill Bradshaw, ABS	Calhoun's, Turkey Creek
Apr 1-5		2012 AIChE Spring Meeting		Houston, TX
Apr 19	6:00 PM	Biodiesel Byproduct Chemicals	Shirley Liu	Calhoun's, Turkey Creek
May 17	6:00 PM	McClung Museum Tour	Stuart Daw to arrange	McClung Museum at UT

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!



Photo Courtesy of DOE Digital Photo Archive
<http://www.doedigitalarchive.doe.gov/enter.cfm>

"If you think education is expensive, try ignorance."

Derek Bok
 American lawyer and educator
 (1930-)

Officers

Chair:	Michael Aident	694-7333	Michael.Aident@shawgrp.com
Chair-Elect:	Jarrold Clark	276-1867	jarrod.clark@merrick.com
Secretary:	David DePaoli	574-6817	depaolidw@ornl.gov
Treasurer:	Paul Taylor	574-1965	taylorpa@ornl.gov
Directors:	Jacob Hutton	560-1706	jacob.hutton@power.alstom.com
Term ends 2012	Michael Hollander	300-5645	enviroms@att.net
Term ends 2012	Sharon Robinson	574-1150	robinsonsm@ornl.gov
Term ends 2011	Stuart Daw	946-1341	dawcs@ornl.gov
Term ends 2011	Richard Denney	458-8875	rgdenney@charter.net
Membership:	Paul Taylor	574-1965	taylorpa@ornl.gov
Newsletter:	Linda Puckett	574-6147	puckettlf@ornl.gov
Webmaster:	Ben Lewis	574-4091	lewisbejr@ornl.gov
E-mail:			aiche-chat@chem.engr.utk.edu
Website			http://www.ornl.gov/aiche

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We're on the Web!

See us at:

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

Editor: B. Lewis

About Our Organization...Career Management Center

As AIChE members, we have many advantages and benefits. One of these benefits is the Career Management Center, which can help you find ChE and ChE-related jobs on the [CareerEngineer](#) job board. Employers routinely look here for qualified candidates for job openings. The [CareerEngineer](#) job board provides Jobseeker and Employers with the following tools:

Jobseekers

- [Post an Anonymous Resume](#)

Post your resume online today! Whether you're actively or passively seeking work, your online resume is your ticket to great job offers!

- [View Jobs](#)

Access the newest and freshest jobs available to professionals seeking employment.

- [Personal Job Alert](#)

Create Job Alerts and never let a matching job opportunity pass you by! New jobs that match your search criteria will be emailed directly to you.

- [Create Jobseeker Account](#)

Your personal jobseeker account will allow you to find jobs, manage your resumes, and set up job alerts. Get started today!

- [Access Your Jobseeker Account](#)

Log into your account to begin managing your job search. Create and manage job alerts and view job offers from employers.

(Source: AIChE web site: <http://www.aiche.org/CareerResources/>)

Employers / Recruiters

- [View the Resumes](#)

Check out our resumes and only pay for the ones that interest you! We have access to some of the best professionals in the field.

- [Post a Job](#)

Reach the most qualified candidates by posting your job opening on our online Career Center.

- [Products/Pricing](#)

Regardless of your staffing needs or budget, we have a recruitment product that's right for your business.

- [Create Employer Account](#)

Quickly post job openings and manage your online recruiting efforts with ease by setting up an account with us today!

- [Access Your Employer Account](#)

Log in to begin managing your online recruiting account. Post jobs to our site and browse candidates interested in your positions.

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