



## 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: Linda Puckett, [puckettlf@ornl.gov](mailto:puckettlf@ornl.gov), (865)574-6147 or  
Lori Daniels, [lori.daniels@utk.edu](mailto:lori.daniels@utk.edu), (865)974-2421

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## May 2010 Meeting

Date: Thursday, May 13, 2010  
Cost: \$20  
Location: Calhoun's, Turkey Creek Shopping Center, Knoxville TN

5:30 pm AIChE Executive Committee Meeting (All members welcome),  
6:00 pm Dinner – From menu  
7:00 pm Program – Mr. Gary Golden, Electric Power Research Institute – *Solar Augmented Steam Cycles*

**Abstract** – A discussion of various thermal solar technologies used in the augmentation of steam cycles in the production of electrical power will be presented. The talking points for the discussion include the following:

- Thermal Solar technologies
  - Parabolic Trough
  - Power Tower
  - Compact Linear Fresnel
- Augmentation of Power Plants using Thermal Solar
  - Combined Cycle (Majority)
  - Coal Fired (Light)
- List of ongoing projects / Demonstration project
- Photos from Thermal Solar plants visited

**Bio** - Gary Golden is a Senior Project Manager for EPRI (Electric Power Research Institute) Generation and Nuclear Sectors specializing in Steam Turbines, Generators and Auxiliaries. He also helps with other EPRI Programs including renewable energy and support of utility improvement of power efficiency, power plant outage management, process and safety. He recently has been the Technical Manager of Solar Augmented Steam Cycle for retrofitting existing fossil fuel plants with Thermal Solar technology.

Gary has over 34 years experience in the Mechanical and Engineering fields. Prior to his engineering career he worked as an industrial production mechanic and maintenance supervisor. He started his career in the 1970's as a crew chief and flight engineer on C-130s aircraft in the United States Air Force. While in the United States Air Force, he was honorably discharged and had received the Good Conduct Medal, Outstanding Unit Award and Longevity Service Award. Additional biographical information for Mr. Golden is available a <http://www.ornl.gov/sci/aiche/calendar.html#5>

**Please make your reservations by noon on May 11, by contacting**

Linda Puckett, [puckettlf@ornl.gov](mailto:puckettlf@ornl.gov), (865)574-6147 or  
Lori Daniels, [lori.daniels@utk.edu](mailto:lori.daniels@utk.edu), (865)974-2421

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

## Job Opportunity

Program Manager-SE Aurora, CO. The Program Manager must be a self-starter with experience dealing with multiple engineering disciplines. Industrial services of any flavor will be accepted as acceptable experience. Must have proven ability to create and present a business plan to key executives and/or board members in efforts to obtain funds (internally) to kick-off programs which YOU have created. Will work with MULTIPLE business units throughout the world and must be willing to accept a 30% travel schedule (most of which international). Qualified candidates will have a MINIMUM of a Bachelor's degree in a relevant engineering discipline – preference will be given to candidates who have an advanced degree.

Compensation: Target  
Compensation: \$95 - 135K+ (**nego**) on base (depending on education, experience, etc), PLUS uncapped; variable tied to performance of the Center. Health benefits, vacation, and paid time off.

US Citizens and Green Card Holders ONLY can/will be accepted for these positions. NO THIRD PARTY CANDIDATES WILL BE ACCEPTED – NO EXCEPTIONS!!!

Should you be interested in the above-listed position, please email a clean copy of your resume (Word format preferred) to [jackie@sorcesolutions.com](mailto:jackie@sorcesolutions.com) along with 3-5 available times for a telephone prescreening (30 minutes maximum). In order to ensure a response within 48 hours, please be sure to include the position title in the subject line of your response message.

Should you not be interested the above listed position, but know of someone who may be - please feel free to forward this message and please let us know who referred you to ensure the referral program is paid as planned. For other positions, check out our website listings at [www.sorcesolutions.com](http://www.sorcesolutions.com).

If you are looking for a new position and have not sent us an updated resume within the last 6 months - please do so. Having the most up to date information will allow us the opportunity to match you to new/approved positions as soon as they open!

*Jacqueline M. Sorce*  
Owner/President - Sorce Solutions, Inc.  
[jackie@sorcesolutions.com](mailto:jackie@sorcesolutions.com)  
[www.sorcesolutions.com](http://www.sorcesolutions.com)



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

*“Do not go where the path may lead,  
go instead where there is no path and  
leave a trail.”*

**Ralph Waldo Emerson**

1803 – 1882

*American essayist, philosopher, and poet*

## Activities Calendar

Date	Time	Topic	Speaker	Location
May 13	6:00 PM	Solar Augmented Steam Cycles	Gary Golden, Electric Power Research Institute	Calhoun's at Turkey Creek
May 20		<b>eChem Expo Solutions Marketplace</b>		Meadowview Convention Center, Kingsport, TN
June 4-6		Leadership Development Conference		Kingsport, TN
Nov 7-12		2010 Annual AIChE Meeting		Salt Palace Convention Center, Salt Lake City, Utah

## 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!



[http://commons.wikimedia.org/wiki/File:Tableau\\_Louis\\_Pasteur.jpg](http://commons.wikimedia.org/wiki/File:Tableau_Louis_Pasteur.jpg)

*"Whether our efforts are, or not, favored by life, let us be able to say, when we come near to the great goal, I have done what I could."*

## Officers

<b>Chair:</b>	Jacob Hutton	560-1706	<a href="mailto:jacob.hutton@power.alstom.com">jacob.hutton@power.alstom.com</a>
<b>Chair-Elect:</b>	Michael Aident	694-7333	<a href="mailto:Michael.Aident@shawgrp.com">Michael.Aident@shawgrp.com</a>
<b>Secretary:</b>	David DePaoli	574-6817	<a href="mailto:depaolidw@ornl.gov">depaolidw@ornl.gov</a>
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<b>Term ends 2012</b>	Stuart Daw	946-1341	<a href="mailto:dawcs@ornl.gov">dawcs@ornl.gov</a>
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**Louis Pasteur**  
1822 – 1895  
French chemist and microbiologist

**Knoxville - Oak Ridge  
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**We're on the Web!**

See us at:  
<http://www.ornl.gov/sci/aiche/>

*Editor: B. Lewis*

**About Our Organization – ChEnected**

ChEnected (<http://chenected.aiche.org/>) is a unique online community created for and by young professional chemical engineers. Presented by AIChE, ChEnected is where chemical engineers can read, view, contribute, and engage with everything Chem-E. Learn new skills, solve challenges, find mentors, engage with other chemical engineers, and gain more exposure to hiring companies.

- **ChEnected is Reactive.** The Reactor blog is the epicenter of ChEnected, featuring content that covers the spectrum of the Chemical Engineering profession – from hot developments and opinions in the areas of alternative energy to career and legal advice. By virtue of its name,

The Reactor blog is meant to be the driver of discussions about all things ChemE. Those discussions will help mold its future, its content, and the entire ChEnected portal. So please, be an active participant by commenting on posts, providing feedback, or becoming a guest contributor.

- **ChEnected is Interactive,** featuring polls, reviews, jokes, challenges, and contests.
- **ChEnected is Connected.** Join us on Twitter, Facebook, LinkedIn, Flickr, Slideshare and more.
- **ChEnected is Multimedia.** Look for our ChEtube video content, which can also be

accessed on our YouTube channel and ChemE On Demand.

- **ChEnected is You.** Every month, we'll feature a new Young Professional of the Month.

(Excerpt from AIChE web site at: <http://chenected.aiche.org/about/>)

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