



Central Savannah River Section Activities

[The Science of Chocolate](#)

Presented by Craig D'Egidio, Thursday, October 14, 2010 6:00 p.m., Location: TBD

Craig D'Egidio was born and raised in Huntington, WV and moved to Atlanta in 1992 to complete his Master's Degree in Civil Engineering from Georgia Tech.

After many months of research, 9/11, soul-searching, and plenty of due diligence, he and his wife decided to become the seventh franchisees of Schokolad Chocolate Factory, a franchise based in Orlando that specializes in handmade European-style chocolates that are made fresh, on-site. They signed their franchise paperwork in January of 2002 and opened their store in Sandy Springs, 1 mile behind Perimeter Mall, at the end of August that same year. Mr. D'Egidio will provide a presentation on the chemical engineering and chemistry of chocolate.

[November Plant Tour](#)

Company TBD, Thursday, November x, 2010 6:00 p.m., Location: TBD

[Year-End Award Luau](#)

Friday, December 17, 2010 6:00 p.m., Location: North Augusta Community Center
The American Chemical Society and the American Institute of Chemical Engineers cordially invites you and a guest to attend the Year-End Award Luau. The meeting is December 17th from 6pm to 10pm.

Officer Nominations

If you would like to become an officer of the Central Savannah River Local Section or would like to nominate someone for the nominating committee to contact, please contact Brad Pickenheim, bradley.pickenheim@srnl.doe.gov, John Steimke, or Dan Lambert. Elections will be held in November 2010 and the officers will take office at the first meeting in 2011.



Central Savannah River Section Leadership



Brad Pickenheim, 2010 Chair

(803)819-8435

E-Mail : Bradley.Pickenheim@srnl.doe.gov



Heather Mentzer, 2011 Chair

(803)208-1580

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Jason Adams, Secretary

(803)208-6765

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Mary Leslie Rhoden, Treasurer

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John Steimke, 2009-2010 Director

(803)725-1500

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Dan Lambert, 2010-2011 Director

(803)819-8466

E-Mail: dan.lambert@srnl.doe.gov



Young Professional House Party

A House Party for Young Professionals was held on Thursday, July 29, 2010 at Brad Pickenheim's Home. AIChE Young Professional Lead Lowell Aplebaum flew down from NY, NY to attend our meeting and give encouragement to our young professionals. AIChE National paid for the evening refreshments. Below are a few photos from the meeting. Thanks to Brad for hosting and all for attending.





Central Savannah River Section Awards

Nomination Form: csrs.aiche.org/webform/section-nomination-form.

Jim Morrison Chemical Engineer of the Year - This award is generally given to a distinguished chemical engineer in the Central Savannah River Section who has achieved significant career accomplishments in the profession. Recipients usually have about 15-30 years of service following graduation.

Young Chemical Engineer of the Year - This award recognizes service to AICHE, technical and professional expertise, and personal leadership that is superior for an early-career engineer. It's generally given to a person with approximately 4-12 years of service following graduation. This is normally an annual award

Service to Society Award - This award recognizes *long-time* service to AICHE, role modeling for other engineers, and community activities that benefit area students and residents. Recipients usually have about 25-30 years of service following graduation. This is normally an annual award.

Manager of the Year Award - This award is given to a high-level manager who has shown great support of the Central Savannah River Section by encouraging employees within the recipient's organization to participate in professional organizations such as AICHE. This award is given only when a suitable candidate exists.

Date Due: October 15.

Shining Star Award - Shining Star/Volunteer of the Year Award – Do you have a Local Section volunteer that has gone above and beyond the call of duty? Nominate them for a Shining Star/Volunteer of the Year Award. If chosen, they will receive free registration and up to \$1000 travel stipend for any 2011 AICHE conference.

Nomination Form: <http://www.aiche.org/localsection/resources/ShiningStarAward.aspx>

Date Due: October 31.



Information of Interest to AIChE Members Everywhere

UPCOMING WEBINARS

Webinars: <http://apps.aiche.org/chemeondemand/LiveWebinars.aspx>

[Introduction to the Pneumatic Conveying of Solids](#)

Presented by Dr. Karl V. Jacob, Wednesday, September 8, 2010 2:00 - 3:00 p.m. ET

Pneumatic conveying is routinely used to move solids of all sizes within process plants. On account of the compressibility of the conveying gas, the pneumatic conveying of solids is quite different from the pumping of liquids or slurries. This webinar explores the various flow modes for conveying of solids and how they are used to convey product with minimum power and product attrition. Key design concepts - such as conveying flow modes, factors influencing conveying pressure drop and saltation velocity are discussed in detail. The selection of many of the components that comprise a conveying system such as rotary valves, feed chutes, conveying pipe, and air movers is examined, especially as it relates to reliable operation of a conveying system.

[Engineers Without Borders - USA: Chemical Engineers Can Make an Impact in the Developing World](#)

Presented by John Cirucci Wednesday, September 15, 2010 2:00 - 3:00 p.m. ET

Engineers Without Borders - USA supports community-driven development programs worldwide through the design and implementation of sustainable engineering projects, while fostering responsible leadership. In just 8 years, this humanitarian organization has grown to include 10,000 engineers and engineering students working on several hundred projects around the world. Now AIChE and Engineers Without Borders - USA are collaborating to further engage chemical engineers in this mission to meet the basic human needs in the developing world. With our knowledge and experience, there are many roles we can take to support these efforts: technical design, technical review, organizational leadership, project management, cultural assessment, language skills, and student mentorship. Learn about the EWB-USA mission, working model, success stories and opportunities for participation.

[Explosion at T2 Laboratories](#)

Presented by Robert J. Hall Wednesday, September 22, 2010 2:00 - 3:00 p.m. ET

At 1:33 pm on December 19, 2007, a powerful explosion and subsequent chemical fire killed four employees and destroyed T2 Laboratories, Inc. (T2), a chemical manufacturer in Jacksonville, Florida. It injured 32, including four employees and 28 members of the public who were working in surrounding businesses. Debris from the reactor was found up to one mile away, and the explosion damaged buildings within one quarter mile of the facility. This webinar discusses the CSB investigation and findings.

[Business Acumen: How Far Are You Taking It?](#)

Presented by Daniel E. Leone Wednesday, September 29, 2010 2:00 - 3:00 p.m. ET

No matter what your role is in the organization, you are having a significant impact on your business. In fact, every action you take at work somehow affects the interest customers have in your products and, ultimately, the profitability and growth of your business. So it is time to develop business acumen. The question is simply "how and to what extent do you apply it?" This webinar provides ideas, initiatives and imperatives for transitioning from a technical focus to one that embodies business acumen. Examples cover topics ranging from the steps it takes to fully and effectively move into a business role to adapting a business focus within any organizational responsibility.

[Process Troubleshooting](#)

Presented by Professor Donald R. Woods Wednesday, October 6, 2010 2:00 - 3:00 p.m. ET

Many fascinating books and articles have been written about troubleshooting process operations and engineering cases, and how they were solved. But the focus of this webinar is on you - and how you can polish your problem solving skills to use when troubleshooting engineering and process problems. First, Professor Woods will review the fundamentals of problem solving, and explore the unique characteristics of troubleshooting. He'll discuss individual personality and style, as well as systematic strategies to

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problem solving. He'll reveal a 6-stage process that offers a well-grounded, scientific approach to problem solving. He will introduce a worksheet that has been designed specifically for troubleshooting, and use it to map out an example case problem. Guidelines will be given about the target behaviors that characterize successful troubleshooters. Professor Woods will act as a coach, guiding you through a process that matches your unique style. His goal is to help you recognize and polish your current approach to solving troubleshooting problems.

[Engineering Education in 2015 \(or sooner\)](#)

Presented by Professor Richard M. Felder Wednesday, October 13, 2010 2:00 - 3:30 p.m. ET

Traditional engineering curricula were not designed to equip students with those skills nor were engineering faculty prepared to provide the requisite training, and there have been numerous calls for changes in both curricula and faculty development. As might be expected, many faculty members and administrators are less than enthusiastic about the proposed changes, arguing that the existing system functions well and needs no radical revision. This webinar outlines the opposing positions on four focal issues—the traditional position, which has been the predominant approach for centuries, and the alternative position—and offers predictions about the outcomes.

UPCOMING CONFERENCES

[Midwest Regional Conference](#), Sept 30 - Oct 1, 2010, Chicago, IL

[Regional Process Technology Conference](#), October 7-8 2010, Galveston, TX

[AIChE 2010 Annual Meeting](#), November 7-12, 2010, Salt Lake City, UT

OTHER ITEMS OF INTEREST TO CHEMICAL ENGINEERS

[Help Us Create a Logo for AIChE's New Virtual Section, Deadline September 30, 2010](#)

Local sections are the backbone of AIChE. However, not everyone is able to attend a local section meeting. If you can't attend an AIChE local section meeting because there is no local section within a 60 minute drive or the closest local section is dormant, you will soon have a new section to join. A virtual section will begin meeting via the internet starting in January 2011. Our goal is to provide the highest quality programming to support our local section members. If you would like more information about the virtual section, please visit the virtual section website at <http://virtual.aiche.org>. To support the start of the new Virtual Section within AIChE, a logo contest is being held to create the section logo and banner for the website. You are invited to submit your creative logo and/or banner design for the new Virtual Section. The Virtual Section leadership will choose the top 3-5 designs in each category. Everyone will have the opportunity to vote on the winning design. The winners of the Virtual Section Logo Contest will receive \$100.

[ChEnected—Where Chemical Engineers Mix it Up](#)

ChEnected 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. <http://chenected.com>

AIChE Benefits -- <http://www.aiche.org/MemberCenter/FinancialBenefits.aspx>

AIChE Library -- <http://www.aiche.org/MemberCenter/KnovelLI.aspx>

<http://www.aiche.org>