

# The CSRA Chemist

Savannah River Section  
of the

American Chemical Society



## **First Fall Meeting!!!**

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**The American Chemical Society  
Savannah River Section  
invites you to hear  
“Chemistry and Processing at the  
Augusta DSM Plant”  
Heather Hatcher, Chem. Eng.  
Paige Walden, DSM Lab Manager**

**September 19, 2006  
Discovery Deli on the RiverWalk  
(at Fort Discovery)**

**6:30 Social  
7:00 Dinner (Buffet, \$20)  
8:00 Presentation**

**Please contact Sonia Bronikowski, 803-642-5337, for  
reservations by Noon, Thursday, September 14**

**SERMACS 2006 – Augusta, GA**

November 1-4, 2006

*“Linking Chemistry in the Southeast”*

Web: [www.sermacs2006.org](http://www.sermacs2006.org)

Email: [sermacs2006@srs.gov](mailto:sermacs2006@srs.gov)

Note: Advanced Registration Ends Oct. 9

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**Its time for elections again. Contact Mark Barnes to suggest candidates. Those nominated must agree to serve.**

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**Please volunteer to help with CSRA College night on September 14, get in touch with Stephanie Myers (706-737-1541 or [smyers@aug.edu](mailto:smyers@aug.edu))**

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**NOTE: This Newsletter is available by email. Please contact Lewis Baylor if you want to receive notices by email. We have found that land mail is sometimes unpredictable due to the low priority of bulk rate mailing and the email or web additions give timely announcements.**

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**SECTION CONTACTS [www.acs-sr.org](http://www.acs-sr.org)**

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## Meetings for September and October

**- come and enjoy!**

The American Chemical Society Savannah River Section will hold a dinner meeting at the Discovery Deli on the RiverWalk Levee (at Fort Discovery) Tuesday, September 19, 6:30 pm (Social), 7:00 pm (Dinner). At 8:00 pm there will be a talk by Heather Hatcher of DSM. The guest speaker will present a talk on the chemistry and chemical processing at the Augusta DSM plant. The talk should be of interest both to our academic members, as it shows local opportunities for students in chemistry, and our industrial members. Heather received her degree in chemical engineering from Ga. Tech, worked as a System Engineer in H-Canyon, and recently is a Production Supervisor over the DSM Oxanone plant. ACS members, nonmembers, and guests are invited to attend. Paige Walden (a manager of one of the DSM labs will be joining her. Please contact Sonia Bronikowski, 803-642-5337, for reservation. Reservations are due by 12:00 noon Thursday, September 14. Buffet dinner includes, a mixed greens Salad, Pan Seared Chicken with Sautéed Mushrooms on the side, Fresh Vegetables, ice tea, and Chocolate Brownie ala mode for dessert (\$20 per person). Contact Dan McCabe, 803-725-8238 or Mike Bronikowski, 803-725-1669 for more information. ACS-SR reserves the right to bill no-shows. (Parking is available in the garage beneath Ft. Discovery; walk up the outdoor steps and enter through the RiverWalk entrance to the Deli. You will receive a token for free parking)

October talk will be held on Wed., Oct. 11 at the Aiken Brewery 6:30 pm (Social), 7:00 pm (Dinner) At 8:00pm. Tracy Hamilton will give a talk entitled, "Zymurgy, the Art and Science of Making Beer". The seminar covers both the practical aspects of brewing (how to) and the chemistry of brewing. After a brief introduction of the history of beer, the steps of the process are outlined. Tracy P. Hamilton obtained a Ph.D. from the University of Arkansas in 1987, and did four years of postdoctoral research at the University of Georgia. Dr. Hamilton has been a professor at the University of Alabama at Birmingham since 1991. Dr. Hamilton has been very active in the Birmingham Brewmasters (<http://hbd.org/bbm>), a group dedicated to the appreciation of different beer styles and how to brew them. He is also a certified beer judge in the Beer Judge Certification Program BJCP. (please see our website for further info on the menu and cost)

## **SERMACS 2006 UPDATE–Education Program**

As part of the 58<sup>th</sup> Southeastern Regional Meeting of the American Chemical Society (SERMACS), a scientific and technical meeting being held this year in Augusta, Georgia, we are featuring an Education Program targeting South Carolina and Georgia K-12 science educators. The program on November 3 and 4, features several exciting educator workshops and a Chemagination poster and essay contest for high school students. Please put the word out to your teacher friends and high school students about this exciting program. In addition to the K-12 programs, there is also a graduate school fair and an undergraduate poster contest. If you have any questions, would like to sponsor the program or even help out, please contact Krissy Zeigler (803-725-4180 or [SERMACS2006@srs.gov](mailto:SERMACS2006@srs.gov)). Please visit our website for more descriptions on each of these workshops:

[www.sermacs2006.org](http://www.sermacs2006.org) under Program: Education Program.

Read on for more details regarding these upcoming events.

“Putting the ‘pH’un Back In to Chemistry: An Educator Program for Advancing K-12 Chemical Education” will feature several workshops including environmental chemistry, forensics, classroom demonstrations, instrumental demonstrations and POGIL (Process-Oriented Guided-Inquiry Learning), a student-centered instructional approach that combines group learning with a guided inquiry paradigm. Another workshop being offered focuses on the opportunities that are offered through SRS for educators and students. A recent workshop addition focuses on Hydrogen Fuel Cell Cars and will cover basic concepts of hydrogen and the steps required to build a fuel cell car for classroom demonstrations. Each workshop will emphasize lessons and skills that educators can take back to their classrooms to excite the young minds of our Nation’s

**Continue.. 58th Southeast Regional Meeting of the American Chemical Society, Nov 1-4, 2006, Augusta, GA -- Educational Outreach**

future scientists and engineers. We are coordinating with counties in South Carolina and Georgia to offer the equivalent of continuing education credits to those that attend our workshops.

Chemagination is a poster and essay contest for high school chemistry students. These students are asked to look 25 years into the future and describe an innovation or breakthrough in chemistry which will improve the quality of people's lives. The innovation categories are alternative energy sources, the environment, medicine or health, and new materials. The team of 2 or 3 students is asked to design the cover of a magazine, *ChemMatters*, which features this innovation, and write a supporting article (essay). They will present their poster and be interviewed by judges about their innovation. Prizes will be given to the winners in each category. Currently, several high schools from Georgia and South Carolina have expressed interest in participating in this contest.

On Saturday, the Education Program will also feature a Graduate School Fair and an Undergraduate Poster Contest. Currently we have over 20 chemistry, biochemistry and chemical engineering departments signed up for the graduate school fair. The Fair will run from 10am to 2pm. The Undergraduate Poster session will be in full swing during the Graduate School Fair so both parties will have a chance to show off how great they are! The poster session will feature some of the best and brightest undergrads in the southeast! Prizes will be awarded to the best posters.

## **Technical Program - Wednesday, November 1 through Friday, November 3**

- » [Agricultural & Food Chemistry](#)
- » [Agrochemistry](#)
- » [AIChE - General](#)
- » [AIChE - Nuclear Engineering Division](#)
- » [Analytical Chemistry](#)
- » [Biological Chemistry](#)
- » [Chemical Education](#)
- » [Chemical Health and Safety](#)
- » [Chemical Information](#)
- » [Chemistry and the Law](#)
- » [Computers in Chemistry](#)
- » [Environmental Chemistry](#)
- » [Fluorine Chemistry](#)
- » [Fuel Chemistry](#)
- » [Geochemistry](#)
- » [History of Chemistry](#)
- » [Industrial and Engineering Chemistry](#)
- » [Inorganic Chemistry/Materials](#)
- » [Medicinal Chemistry](#)
- » [Nuclear Chemistry](#)
- » [Organic Chemistry](#)
- » [Physical Chemistry](#)
- » [Polymers and Materials Science](#)
- » [Professional Relations](#)
- » [Interdisciplinary](#)

## **Educational Program - Friday, November 3 - Saturday, November 4**

- » [Teacher Program](#)
- » [Chemagination](#)
- » [Graduate School Fair](#)
- » [Undergraduate Poster Session](#)
- » [Student Affiliate Program](#)

**Announcing a Special Grant Made Possible by SERMACS 2006**

Central Savannah River Area (CSRA) companies can nominate one individual ACS member for free registration to SERMACS 2006. There are 12 free registrations available for individuals that do not have a historical involvement with the activities of the Savannah River Local Section. See [www.sermacs2006.org](http://www.sermacs2006.org) to download the nomination form.

**Calendar of Events for Fall Season 2006**

<b>September 14</b>	<b>CSRA College Night</b>	<b>Stephanie Myers</b>
<b>September 19</b>	<b>DSM Plant - chemistry</b>	<b>Discovery Deli</b>
<b>October 9</b>	<b>SERMACS Advance Registration Ends</b>	
<b>October 11</b>	<b>Zymurgy, the Art and Science of Making Beer Aiken Brew.</b>	
<b>Nov. 1 -4</b>	<b>SERMACS - 2006 August Marriot Hotel - Riverwalk</b>	
<b>Dec TBA</b>	<b>Awards and Banquet</b>	

**HOPE TO SEE YOU AT THE MEETINGS - Bring Friends and Enjoy**

**American Chemical Society  
Savannah River Section  
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