

2006-2007 Officers

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Other officers on the Executive Committee are the following former Chairs:

❖ **Mary Ferris, Ann Marie Jones, John Moore, James Young**

Alternative Automotive Fuels:

We thank our presenter, Dr. Osman Aboul-Nasr, Technical Director from Fluor Corp, who shared his view on "What is in your tank?" – Alternative Automotive Fuels for our January meeting. Dr. Aboul-Nasr discussed sources of non-petroleum automotive energy and biological fuel. He presented us the bio-diesel markets in the United States, the economics of Bio-diesel and the outlook of bio-diesel in the future.

Engineering Day - Roper Mountain Science Center, Feb 10th, 9:00 am – 1:00 pm

Western South Carolina AIChE along with Fluor Engineers will host the second annual "Kids Engineering – Making It Matter" Science Workshop for National Engineer's Week, on February 10, 2007. A list of engineering activities will allow Webelos Cub Scouts to receive the "Engineer" activity badge while Junior Girl Scouts may receive their "Making it Matter" activity badge. Students who are not scouts may also participate and receive a special engineering patch.

Meeting Notice

We are excited to have Dr. Christopher Kitchens, from Clemson University, as our February guest speaker. His topic on "Gas eXpanded Liquids (GXLs)" centers on addressing a new class of tunable solvents. GXLs take advantage of the high solubility of gaseous CO₂ in organic solvents resulting in a highly tunable solvent at sub-critical pressures. The properties of GXLs as a versatile solvent media enable this class of solvents to be applied to a number of applications. This includes: (1) A tunable reaction media for homogeneous catalysis, that is designed for facile separation of the product and catalyst recycle. (2) Recovery of value added chemicals from forest products biomass. (3) Metallic nanoparticle processing for efficient size-selective fractionation and defect free deposition.

Dr. Christopher Kitchens received his Ph. D at Auburn University at 2004. Currently, he is an assistant professor in the Department of Chemical & Biomolecular Engineering, Clemson University. Professor Kitchens' research activities center on advanced materials development in the fields of nanotechnology, renewable resources, and advanced materials.

DATE: Tuesday, February 20, 2007

TIME: 6:00 p.m. Social
6:30 p.m. Dinner
7:00 p.m. Presentation

LOCATION: Holiday Inn, Greenville

COST: \$ 12 Members, \$15 Non-members
Student AIChE Members - Free
Presentation only - Free

DIRECTIONS: 4295 Augusta Road, I-85 @ Exit #46, Greenville, SC 29605.

Please reply to Secretary Rick Vogel by Friday, February 16th. sec@wscaiche.org

Only RSVP if you plan to dine with us

In addition, please note that the dinner portion of the meeting is not mandatory. Arrive by 7:00 if you want to attend the presentation without dinner.

Clemson Scholarship:

Clemson Scholarship Applications deadline was January 31st. We would like to thank those Clemson University Chemical and Biomolecular Engineering students, and faculty, who supported this program. The \$1,000 scholarship recipient will be announced during our February meeting.

Engineers Week 2007 (Feb 18 – 24):

Engineers Week, a formal coalition of more than 75 engineering, professional, and technical societies and more than 50 corporations and government agencies, was founded in 1951 by the National Society of Professional Engineers. Engineers Week raises public understanding and appreciation of engineers' contribution to society. This year's co-chairs include Society of Manufacturing Engineers (SME) and Tyco Electronics. There is a list of programs in place. The following only represents a small portion of all the activities that are undergoing:

- *Introduce a Girl to Engineering Day* – 2/22
- *National Engineers Week Future City Competition™* – 2/19 – 21
- *Discover E*
- *Discover Engineering*

Your company will probably engage in different activities for the Engineers Week. Share your experience with middle school, high school, and college students. Volunteer in these activities and have fun with it!

Feel a NEED TO SERVE and HELP OTHERS? Consider becoming a WSCAIChE Officer!!

DATE	LOCATION	TOPIC
10 February 07	Roper Mtn. Science Center	Kids Engineering – Making it Matter
20 February 07	Holiday Inn Greenville	Clemson Faculty
13 March 07	Holiday Inn Greenville	Safety Analysis
17 Apr 07	Air Products Plant Tour	Adhesives & Emulsions
18 May 07	West End Field	Drive Baseball Game



AICHe
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