

# AICHE-PITTSBURGH THE CATALYST

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## FEBRUARY MEETING ANNOUNCEMENT: STUDENTS' NIGHT AND PROFESSIONAL PROMISE AWARD PRESENTATIONS

Each year, AIChE-Pittsburgh honors an outstanding senior from each of the four regional undergraduate Chemical Engineering programs: Carnegie Mellon University, University of Pittsburgh, West Virginia University and Youngstown State University. We will present the 2009 Professional Promise Awards at the conclusion of our February Student Night program, which also features display of student research posters and an invited talk by Alan Russell on regenerative medicine.

Student Night is a great place for Local Section members to meet regional chemical engineering students and discuss their latest research efforts. You may be pleasantly surprised how your discipline has grown in technical fields as diverse as electronics, materials, energy, biotechnology, sustainability, coatings, and public policy. (continued on page 3 )

**When:** Tuesday, February 17<sup>th</sup>, 5:45 pm

**Where:** William Pitt Student Union,  
University of Pittsburgh, Lower Lounge

**Speaker:** Alan Russell, University of Pittsburgh & UPMC

**Topic:** Biotechnology – Regenerative Medicine

**Agenda:** 5:45-6:30 Registration

5:45-6:30 Poster Session

6:30– Dinner, Professor Alan Russell's Presentation, Professional Promise Awards

**Menu:** London Broil, Salmon or Vegetarian

Soup, Salad, Vegetable, Desert

**Price:** \$30 per person (Students, \$20)

Pay at the door is acceptable

Please make your **RSVP** by February 10<sup>th</sup>.

TO: Mr. Paul Brezovec, Vice-Chair

Phone: 814-269-2844

E-mail: [brezovec@ctc.com](mailto:brezovec@ctc.com)

Your RSVP should include: **Name, Company Name, Email Address, Phone Number, and Entrée selection.**

**CANCELLATIONS:** If you must cancel your meeting reservation, please do so no later than 48 hours prior to the meeting, otherwise, you will be billed.



## GOLF! WARM WEATHER! FOOD! BEER! PRIZES! GOLF!

On a cold January day, it's great to fantasize about golfing in the sunshine!

We will have the first of what we hope will become an annual golf outing on June 12, 2009. We need some help on the committee running the event. If you are interested please contact Gary Hall (see list of officers at end of newsletter for contact info). We need help the day of the event and beforehand. The scoring system and format we will use will help even someone who has never golfed before, so everyone can get involved and/or play. If interested in becoming a sponsor or donating a prize, please let us know.

### Please sign me up for the Pittsburgh Section of AIChE

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_ Zip \_\_\_\_\_

Business Phone \_\_\_\_\_

Residence Phone \_\_\_\_\_

Email \_\_\_\_\_

Local Section dues are \$20/year. Contact Gary Hall:  
gary.hall@sauereisen.com

### JOB FAIR NEEDS YOUR HELP!!

Our chapter is co-sponsoring a Job Fair For Chemical Professionals on Saturday Feb. 7, 2009. The Job Fair will be held at Pitt in Chevron Hall. Part of our participation is to review resumes for the registrants. In the last two years I have had to review more than 15 resumes each year, which is about 10 more than I should be trying to review. Therefore I need two volunteers to help review resumes and to make suggestions for improvement. We will train you during the presentations on what a resume should and should not include. If we get two volunteers the time involved will be about 2 hours. Please contact Gary Hall if interested at 412-963-0303, ext. 236 or [Gary.Hall@Sauereisen.com](mailto:Gary.Hall@Sauereisen.com)

## NOMINATIONS FOR 2009/2010 AIChE PITTSBURGH SECTION OFFICERS

Pittsburgh section members may now begin nominating candidates for the 2009/2010 season. Members may nominate themselves. The open positions are:

**Vice Chair**, responsibilities include coordinating the monthly programs for the 2009/2010 season. The Vice Chair must also commit to holding the position of Chair in the 2010/2011 season.

**Treasurer**, responsibilities include reviewing projected receipts and expenses; preparing a budget for the 2009/2010 fiscal year, and managing and documenting the actual fiscal activity. For continuity, this position extends into the 2010/2011 season. This position receives the assistance of executive board members.

**Counselor**, responsibilities include providing advice to the executive board concerning section business. A counselor holds office for two years. Generally counselors have been active members in the section and help to offer continuity in the section activities.

Please contact Jim Miller at (412) 268 9517 or e-mail [jbmiller@andrew.cmu.edu](mailto:jbmiller@andrew.cmu.edu) to nominate yourself or another candidate. Nominations will be open until the deadline for the April newsletter. Ballots will be transmitted at that time, and the results will be announced at the May meeting.

Becoming an officer or participating on a committee is a great way to get more out of your AIChE membership. It provides a venue for exercising business skills such as leadership, organizing, communications, and networking as well as developing friendships with fellow members.

## STUDENTS' NIGHT (CONTINUED FROM FRONT PAGE)

### **Biotechnology: Regenerative Medicine, Rebuilding the Troops**

Regenerative medicine is a simple concept, but requires intensive interdisciplinary collaboration. Alan Russell, a professor of surgery and of chemical engineering, will describe challenges and responsibilities of engineers for advancing dramatic new therapies for human healing rather than conventional treatments.

**Alan Russell, Ph.D.**

**University Professor of Surgery, Professor of Chemical and Petroleum Engineering**

**Director, McGowan Institute for Regenerative Medicine**

**University of Pittsburgh & UPMC**

Dr. Alan Russell (Ph.D. in Biological Chemistry, 1987, Imperial College of Science and Technology, University of London) is a Distinguished University Professor of Surgery and the Founding Director of the McGowan Institute for Regenerative Medicine at the University of Pittsburgh. Further, he holds positions as the Executive Director of the Pittsburgh Tissue Engineering Initiative, Inc., as the Director of the National Tissue Engineering Center, as well as Professor in the Rehabilitation Science and Technology Department, Professor in the Bioengineering Department, and Professor in the Chemical Engineering Department. He has also founded three biotechnology companies; ICX Agentase LLC, NanoSembly LLC, and O<sup>2</sup>Cyte LLC. Dr. Russell is also the Founding President of the 2,500-member Tissue Engineering and Regenerative Medicine International Society.



Within the scientific community, Dr. Russell currently sits on fourteen advisory boards. Since the outset of his career, he has received numerous prestigious awards for his contributions to research, teaching and public service. These awards include R&D 100 Award – 2000 (*R&D Magazine*), three Carnegie Science Center Awards for Excellence – 2000 to 2006, sixteen consecutive appearances in *Who's Who in Science and Engineering* – 1992 through present, the Gilbreth lectureship from the National Academy of Engineering – 2004, and the Cockroft Rutherford lectureship from the University of Manchester – 2007.

For the last 15 years, the Russell laboratory has been discovering what can be achieved by exploiting the rich interface of chemistry, biology and materials. Dr. Russell's work has impacted fields as diverse as chemical and polymer synthesis to tissue engineering and homeland defense. The work began with a detailed study of the structure-function-environment relationship of biological molecules in extreme environments. This work led to an exploration of the use of enzymes in supercritical and ionic fluids. Dr. Russell has pioneered how to make polymers from enzymes and how to incorporate enzymes into bulk polymers. In a series of discoveries Dr. Russell's laboratory has found how to meld the synthetic and biological worlds.

Parking for Students' Night:

Please note that there is no parking in the driveway of the William Pitt Union (<http://www.tour.pitt.edu/tour-005.html>). It is recommended that you park at the Soldiers & Sailors underground parking garage, which is located across Fifth Avenue from the William Pitt Union, on the corner of Fifth Avenue and Bigelow Boulevard (beneath the large grassy area), with the entrance on Bigelow Boulevard. For general local parking information, please refer to the [University's parking web site](#) and the [University visitor parking map](http://www.pts.pitt.edu/parking/documents/VisitorMap.pdf) (<http://www.pts.pitt.edu/parking/documents/VisitorMap.pdf>).

## JOB SEARCHING FOR CHEMICAL PROFESSIONALS

*Presented by*

The Society for Analytical Chemists of Pittsburgh  
 The American Institute of Chemical Engineers, Pittsburgh Section  
 The American Chemical Society, Pittsburgh Section  
 The Spectroscopy Society of Pittsburgh

**Saturday, February 7, 2009**

**ASHE AUDITORIUM UNIVERSITY OF PITTSBURGH**  
 219 Parkman Ave. (off Bigelow Blvd.)

Lunch and Parking at Soldiers and Sailors Parking Garage Provided  
**Pre-Registration Required**

### PROGRAM

8:30 A.M.	Registration
9:00 A.M.	Welcome and Introduction
9:30 A.M.	<b>MANAGING AN EFFECTIVE JOB SEARCH</b> Daniel J. Eustace, Ph.D. Career Consultant, American Chemical Society
12:10 P.M.	<b>OVERVIEW OF THE LOCAL JOB MARKET</b> Joseph D. Jolson, Ph. D Career Consultant, American Chemical Society
12:30 P.M.	Networking Lunch
1:00 P.M.	Resume Review, Personal Consultation, and Local Job Opportunities
4:00 P.M.	Close

Bring your parking ticket for validation and your resume to participate in the afternoon program

#### Pre-Registration

Job Searching for Chemical Professionals Workshop  
 Send an email to Professor Toby Chapman

at:

**tchapman@pitt.edu**

Your pre-registration must be received by Tuesday, February 3, 2009 and include your full name and complete contact information including address, phone number, email address and whether or not you expect to participate in the resume review. Academic registrants - please include university affiliation and university department. Let us know when you expect to complete your B.S., M.S., Ph.D., post-doc, or other assignment.

### UPCOMING EVENTS-MARK YOUR CALENDAR!

January/February: Future Cities and Engineering Week--Outreach with Grade School and High School Students  
 February 6: Job Searching for Chemical Technicians Workshop  
 February 7: Job Searching for Chemical Professionals Workshop  
 February 17: Student's Night at the William Pitt Student Union  
 March 11: Nova Chemicals plant tour  
 April: TBD  
 May: McAfee Award Night  
 June: Student Scholarship award announcement

## AIChE-Pittsburgh Executive Committee 2008-2009

### Chair

Chris Steffy (steffycd@lycos.com)  
Industrial Energy Engineering  
412-225-0254

### Vice-Chair and Program

Paul Brezovec (brezovec@ctc.com)  
Concurrent Technologies Corp  
814-269-2844

### Secretary

Mariangela Peters (mariangela.peters@bayerbms.com)  
Bayer Materials Science, LLC  
412-777-4195

### Treasurer

Open

### Counselors

Gary Hall (gary.hall@saureisen.com)  
Sauereisen, Inc  
412-963-0303, x 236

Dady Dadyburjor (dady.dadyburjor@mail.wvu.edu)  
West Virginia University

## Committee chairs

### Membership

Open

### Newsletter Editor

Open

### Outreach

Julia Johnson (Julia.A.Johnson@flexsys.com)

### Scholarship

Ed Moretti (moretti@moretticonsulting.com)  
412-276-2228

### PE review

Carl Schwartz (schwarcw@westinghouse.com)  
412-374-3678

### McAfee Award

JoAnn Truchan (jtruchan@achd.net)  
(412-578-7981)

### Webmaster

Dick Dupree (rrd@dupreeonline.com)  
724-775-5122

### Young Professionals

David Missenda (David\_Missenda@URSCorp.com)

American Institute of Chemical Engineers  
Pittsburgh Section  
337 Fourth Avenue  
Pittsburgh, PA 15222