PITTSBURGH SECTION WELCOMES JIM MANNER AS 2010 CHAIR

The Pittsburgh Section of the American Chemical Society welcomes Jim Manner as Chair for 2010.

Jim is a retired Senior Research Chemist from PPG Industries. He has been an ACS member since 1963 and has served as meeting and social committee chairs and Chair of the Akron, Ohio Section (1989). Since being transferred to Monroeville from Akron in 1989, he has served the Pittsburgh Section as treasurer in 2004, Chair elect in 2005 and Chair in 2006. Jim has volunteered to be Chair again in 2010. Jim is also active in SACP (Secretary in 2007) and SSP on various committees and involved in Pittcon meetings.

The Pittsburgh section has been very active during 2009 with National Chemistry Week, and again received a ChemLuminary Award for “Outstanding Event for a Specific Audience” at the fall meeting in Washington D.C. The Section needs to continue supporting this excellent outreach program to the community at the Carnegie Science Center. The Section also received a ChemLuminary award for “Best New Public Relations Program of a Local Section.” During 2010, the section will again apply for recognition of its programs at the national ACS fall meeting.

The student affiliate groups in the Pittsburgh section are excellent, receiving awards while competing nationally. We are grateful for their academic leaders. We will continue to support them as they continue their involvement in poster sessions at National ACS meetings.

Project SEED will be in its’ seventh year in 2010 and we must continue to support this excellent program at Duquesne University. Project SEED was a recipient in 2008 for a Chemluminary Award in only its fourth year. This program enables disadvantaged high school students to work with faculty members on research projects and encourage them to consider the field of chemistry for future study.

During 2009, Chair Nick Tsarevsky initiated the start of the Young Chemists Club (YCC) and this group is now active and had their first Annual Holiday Party on December 1, 2009. The section will continue to support this group as we need to encourage the involvement of young chemists in the Pittsburgh Section. The section is working on developing a women’s group and will strive to further support this activity in 2010.

The Pittsburgh Section will continue to strengthen the connections among industry, academia, school systems, other societies and local government in the Pittsburgh area. Various outreach programs exist in the Pittsburgh area, and they should be continually improved on with the help of ideas from ACS members. Jim is looking forward to an active year in 2010 and welcomes your suggestions and comments.

Jim and his wife Barbara live in Monroeville and have two children and five grandchildren. Jim is a Sandusky, Ohio native and retired from PPG Industries in April of 2000 after 37 ½ years of service.

2010 Pittsburgh Section Chair Jim Manner

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JOB SEARCHING FOR CHEMICAL TECHNICIANS

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

Friday, February 5, 2010

Pre-Registration Required

HARBOR GARDENS, STUDENT SERVICES AREA CONFERENCE ROOMS
Bidwell Training Center, 1650 Metropolitan Street, Pittsburgh, PA 15233
412-323-4000

FREE ON STREET PARKING IS AVAILABLE

PROGRAM

8:30 A.M.  Registration

9:00 A.M.  MANAGING AN EFFECTIVE JOB SEARCH
Daniel J. Eustace, Ph. D.
Career Consultant, American Chemical Society

11:30 A.M.  OVERVIEW OF THE LOCAL JOB MARKET
Joseph D. Jolson, Ph. D.
Career Consultant, American Chemical Society

12:00 Noon  CLOSE

Registration
Job Searching for Chemical Technicians Workshop

Send an email to Iesha Griffin (412-323-4000 Ext. 165) at: igriffin@mcg-btc.org

Your email must include your full name, complete contact information including address, phone number and email address.
Energy Technology Group Seeks Chair-Elect for 2010

The ACS Energy Technology Group evolved from the Coal Technology Group, which formed about 1945. The name was changed in 2002, when the overarching importance of “King Coal” in Pittsburgh in the 20th Century decreased. In conjunction with the Pittsburgh Section of the American Institute of Chemical Engineers, the Energy Technology Group has co-sponsored major energy symposia in Pittsburgh in 2008 and 2009, and expects to do so again in 2010.

The Energy Technology Group is seeking a person to volunteer as Chair-Elect for the year 2010. Tom Ruppel and Al Mann have served as Chair and Chair-Elect for 2008 and 2009, providing a variety of speakers and energy-oriented site visits. Mordecai Treblow serves as Treasurer. A major duty of the Chair-Elect is to solicit speakers for nine monthly evening meetings a year. The Chair will always be available to assist in this effort.

The last several speakers and topics have included:

- George Fecik, Executive Director of Facilities Management, Duquesne University - Tour of Duquesne University’s Combined Heat and Power Facility
- John Marano, JM Energy Consulting, Inc. - Sizing Up Alternative Fuels, Slowing Down the Spin
- James B. Miller, Department of Chemical Engineering, Carnegie Mellon University - Adsorption of SO₂ and H₂S by Modified Amorphous Carbon Films for the Preparation of Next-Generation Activated Carbons
- Richard Piacentini, Executive Director, Phipps Conservatory and Botanical Gardens, Schenley Park, Pittsburgh, PA - tour of the world’s most energy efficient conservatory
- Bob Wallace, Director, BioEnergy Bridge, Penn State University - Biofuels: An Emerging Energy Source
- Well No. 19, Tour of an operating oil well on the shore of Lake Arthur in Moraine State Park.

Please consider participating in this way. By serving as Chair-Elect, you will find very stimulating interaction with Pittsburgh’s chemists and chemical engineers. If interested, please contact Al Mann at alfred.mann@verizon.net or 412-661-5947.

Call to Action - Working Together for a Sustainable Future

The ACS Board of Directors and the Sustainability Stakeholders Steering group (S3G) are putting forth a CALL to action. The CALL is the means by which the Society will engage our members and stakeholders to Collaborate, Advance, Learn and Lead on the issue of sustainability.

Goal 3 of the ACS Strategic Plan for 2009 and Beyond states how the Society is focused on “Addressing Global Challenges” through chemistry. The sustainability CALL to action is a roadmap of seven avenues that chemists, chemistry, and the American Chemical Society can use to address the global challenges of sustainability. We aspire to achieve the following through the CALL to action at https://communities.acs.org/message/3726:

- Green Operations
- Advance the Science
- Inform our Members
- Educate the Public
- Prepare Future Chemists
- Policy Advocacy
- Recognize Best Practices

The Society has begun to work in each of these areas, but much more needs to be done. The spring 2010 ACS National Meeting in San Francisco will have the theme of “Chemistry for a Sustainable World.” In addition to attending symposia and listening to technical presentations, you will be able to participate in identifying and building new initiatives through a wide-ranging engagement event and forum.

ACS looks forward to working with you to achieve our vision of “Improving people’s lives through the transforming power of chemistry”. Join the ACS Network at www.acs.org/network or log into the group at https://communities.acs.org/sustainability-stakeholders-group to learn more about the initiative and to answer the CALL to action.

ACS Cut and Paste
November/December 2009
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 6, 2010

ROOM A221/A224, LANGLEY HALL, UNIVERSITY OF PITTSBURGH
4249 Fifth Avenue (between Ruskin Avenue and Tennyson Avenue)

Lunch Provided - Parking Available at Soldiers and Sailors Parking Garage

Pre-Registration Required

PROGRAM

8:30 A.M. Registration

9:00 A.M. Welcome and Introduction

9:30 A.M. MANAGING AN EFFECTIVE JOB SEARCH
Daniel J. Eustace, Ph.D.
Career Consultant, American Chemical Society

12:10 P.M. OVERVIEW OF THE LOCAL JOB MARKET
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 Job Fair

4:00 P.M. Close

Bring your parking ticket for validation and your resume to participate in the afternoon program
(Undergraduates without a resume may participate in the afternoon group resume review)

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 Monday, February 1, 2010 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.
January Meeting - January 20, 2010
Joint with The Optical Society of America

SPECTROSCOPY SOCIETY
OF PITTSBURGH

Duquesne University, Mellon Hall of Science
(Laura Falk Hall)

“Detection of Chemical, Biological and Explosive Agents Using Raman Spectroscopy”

Steven Christesen, Ph.D.
Edgewood Chemical and Biological Center

6:00 PM - Social Hour; 6:30 PM - Dinner, City View Cafe,
8:15 PM - Technical Program

The Laser Standoff Detection Branch at the Edgewood Chemical Biological Center (ECBC) has an active research program on the application of Raman spectroscopy to the detection of hazardous materials including chemical, biological, and explosive agents. Included in these efforts are the measurements of the wavelength dependence of the Raman scattering signal for chemical agents and explosives, the application of spatially offset Raman spectroscopy for detecting and identifying subsurface contamination, Raman chemical imaging of fingerprints contaminated with explosives, surface-enhanced Raman chemical imaging for identification of bacteria, and the development of SERS analytical and spectroscopic figures of merit in support of the DARPA SERS S&T Fundamentals Program. The talk will cover each of these topics, but with an emphasis on the application of normal Raman spectroscopy to the standoff detection of chemical and explosive surface contamination.

Bio: Dr. Steven Christesen is a research scientist at the US Army Edgewood Chemical Biological Center in Edgewood Maryland and has over 25 years of experience in the spectroscopic detection of chemical and biological agents. He received a BS in chemistry from the College of William and Mary and a Ph.D. in physical chemistry from the University of North Carolina. Dr. Christesen is a lead scientist on the application of Raman spectroscopy and surface-enhanced Raman spectroscopy to the detection of chemical and biological agents, including the detection of agents in water and the UV Raman detection of agents on surfaces. Dr. Christesen helped pioneer the Army’s fielded application of Raman spectroscopy to the identification of chemical agents in sealed glass containers. He has over 60 publications on these and other related topics as well as over 40 presentations at scientific conferences including invited talks at Pittcon and FACSS. Dr. Christesen is a member of the Society of Applied Spectroscopy, and the Optical Society of America, and he has chaired 5 SPIE symposia on optical sensors for chemical and biological detection.

Dinner Reservations: Please email Carolyn Benga at crbssp@yahoo.com or call (412) 487-0915 to make dinner reservations NO LATER THAN FRIDAY, January 15, 2010. This month’s entrée will be Prosciutto Stuffed Chicken Breast served over Linguini w/ Marinara Sauce. Minestrone soup will begin the meal and Cheesecake with Raspberry Sauce with be served for dessert. Dinner will cost $8 and checks can be made out to the SSP. If you have dietary restrictions, please let Carolyn know when you RSVP.

Parking Instructions: The Duquesne University Parking Garage is located on Forbes Avenue. Upon entering the garage, receive parking ticket and drive to upper floors. Pick up a parking chit at the dinner or meeting. If any difficulties arise, contact Dr. Mitch Johnson at Duquesne University.

2009 NCW Poster Contest Winners

As part of the 2009 National Chemistry Week (NCW) celebration, the Pittsburgh Section ACS sponsored a poster contest for students in grades K-12. Students were invited to create a poster that celebrated the theme “Chemistry - It’s Elemental!” Posters were judged on artistic merit, poster message, originality and creativity, and neatness.

A total of forty one posters were received for the competition and were evaluated by a panel of 17 judges. The Section awarded 1st and 2nd place in each of four grade categories, with $50 and $25 prizes respectively. In addition, each winner and their families were offered free admission to the Carnegie Science Center on Saturday, October 24th to celebrate National Chemistry Week, where the winning posters were on display.

All 1st place winners of the Pittsburgh contest were entered into the national poster contest sponsored by the ACS’s Office of Community Activities and Committee on Community Activities.

And the winners of the Pittsburgh Section’s 2009 NCW poster contest:

K - 2nd Grade Category
1st Place
Everitt Meer
Jubilee Christian School

2nd Place
Daniel Perrine
Burchfield Primary School

3rd - 5th Grade Category

1st Place
Daemon Mutka
Central Cambria Elementary School

2nd Place
Connor Gibson
Cambria Elementary School

Continued on Page 7
Society for Analytical Chemists of Pittsburgh

January Meeting

Monday, January 11, 2010
8:00 PM
Duquesne University
Laura Falk Hall

“Nanostructure-Enabled Electronic Diagnostic Devices”

Shana O. Kelley, Ph.D.
University of Toronto, Canada

Abstract: The analysis of panels of molecular biomarkers offers valuable diagnostic and prognostic information for clinical decision making. Robust, practical platforms that detect low levels of biomolecules (<1000 copies) are urgently needed to advance medical care by diagnosing and predicting the progression of cancer and other disease states. Electrochemical methods providing low cost and direct biomarker read-out have attracted a great deal of attention for this application, but have, to date, failed to provide clinically-relevant sensitivity. We hypothesized that controlled nanostructuring of electrode surfaces could promote surface accessibility and enhance capture rate and efficiency to solve this long-standing problem, and recently showed that the nanoscale morphologies of electrode surfaces control their sensitivities. In addition, we have worked towards integrating nanomaterials-based electrodes into a chip-based platform to facilitate multiplexed analysis in a robust, practical format. Our efforts to use this platform to detect nucleic acid and protein biomarkers in clinical samples to develop tests for infectious disease diagnosis, oncological management and pharmacogenetic/pharmacoproteomic profiling will be featured in this lecture.

Biography: Dr. Shana Kelley obtained her Ph.D. at the California Institute of Technology in Chemistry in 1999 and her B.A. summa cum laude from Seton Hall University in 1994. After a NIH postdoctoral fellowship at Scripps Research Institute, she began her independent career in 2000 at Boston College, was promoted directly to Full Professor in 2006, and moved that same year to University of Toronto. She is currently the Director of the Division of Biomolecular Sciences in the Faculty of Pharmacy, and a Professor of Chemistry, Pharmaceutical Sciences, and Biochemistry.

Shana’s interdisciplinary research efforts are directed towards developing new technologies for biosensing using techniques and approaches that involve aspects of biological, analytical, organic, and materials chemistry. In particular, her group uses electrochemical methods to create new platforms for biomolecular detection. Most recently, her group has focused on the use of nanomaterials as sensor elements for multiplexed analysis systems.

Dr. Kelley has been recognized for her contributions with several awards. She was named one of “Canada’s Top 40 under 40” just this past year. She has also been recognized with the Pittsburgh Conference Achievement Award, an Alfred P. Sloan Research Fellowship, a Camille Dreyfus Teacher-Scholar award, a NSF CAREER Award, a Dreyfus New Faculty Award, and was also named a “Top 100 Innovator” by MIT’s Technology Review. Kelley was a co-founder of GeneOhm Sciences, a molecular diagnostics company acquired in 2006 by Becton Dickinson.

Dinner Reservations: Please email Julie Theys, Arrangements Co-Chair at theysj@pittcon.org, by Thursday, January 7, 2010 to make dinner reservations. Should you not have email, please call Julie at 814-563-7236. Dinner will cost $8 ($4 for students) and checks can to be made out to the SACP. If you have any dietary restrictions, please let Julie I know when you leave message.

Parking: Duquesne University Parking Garage entrance is on Forbes Avenue. Upon entering the garage, you will need to get a parking ticket and drive to upper floors. Bring your parking ticket to the dinner or meeting for a validation sticker. Contact Dr. Mitch Johnson at Duquesne University if any difficulties arise.
The mission of the Port of Pittsburgh Commission is to promote the commercial use and development of the Inland Waterway Transportation System and to integrate that system into the economic, recreational, environmental and intermodal future of SW Pennsylvania. As such we have been actively engaged in trying to drive down the cost of doing business on the waterway through technology. We have established a benchmarking exchange within European inland river ports to identify best practices and have developed innovations on our own. Working with Carnegie Mellon University we have developed a virtual navigation system to approach locks in good visibility and bad, we have captured the communications architecture on the rivers between the towboats, their HQs and the Coast Guard, Corps of Engineers, and IRS. We are now developing, with CMU, a conops plan for a “Wireless Waterway” and may be seeking funding for it in the near future.

Bio: James R. McCarville has 30 years of port experience. He has served as the executive director of ports on the Great Lakes (Superior, WI ‘77-’84), US east coast (Richmond, VA ‘84-’90) and the US inland waterway system where he has been the Executive Director of the Port of Pittsburgh Commission (since 1994). From 1990 to 1993 Jim served as a private consultant, advising governments of Brazil, Uruguay and Mexico on matters of port organization, operational efficiency and privatization and the governments of both Panama and the United States on the strategic transition plan for the transfer of the Panama Canal.

Jim is the eastern vice-president of PIANC-USA, part of the Permanent International Association of Navigation Congresses and past president of the national trade association for the Inland Rivers’ Ports and Terminals, Inc. (IRPT). He has served as a member of US Secretary of Transportation’s (DOT’s) Maritime Transportation System National Advisory Council (MTSNAC) and as member of the National Academy of Science/Transportation Research Board panel that prepared the report on “The Maritime Transportation System and the Federal Role: Measuring Performance, Targeting Improvements”. He is on the Board of Directors of both Waterways Council, Inc. and the National Waterways Conference and is active on the Transportation Research Board’s committee on Inland Waterways.

Principle challenges at the Port of Pittsburgh include: securing federal funding for the rebuilding waterway infrastructure; the advancement of new technologies for river information systems, for which the Commission was awarded a patent in 2007 for a virtual navigation locking technology called “SmartLock”; and benchmarking best practices in a series of US-EU inland port “SmartRivers” conferences.

Jim is a native of Wisconsin. He is a graduate of Regis College in Denver and holds advanced degrees in Foreign Service from Georgetown University, Washington, DC, and Urban Studies from Roosevelt University, Chicago IL. Jim is married to Haydee (Aye-EE-day) McCarville and they have three grown children.
Society for Analytical Chemists of Pittsburgh

February Meeting
Monday, February 1, 2010
8:00 PM
Duquesne University
Laura Falk Hall

“Analytical and Electron Transfer Chemistry of Nanoparticles”
Royce W. Murray
University of North Carolina

Abstract: Scientists working with nanoparticles commonly characterize them by simply a dimension. This should be extremely unsatisfying to a chemist—chemists should prefer to know the chemical formula and ideally the structure of a chemical material. This is challenging analytical chemistry. This lecture will describe some progress and directions for the analytical chemistry of small gold and other nanoparticles. Recent success stories are the nanoparticles Au25L18 and Au144L60 where L is an organothiolate ligand, relying especially on mass spectrometry but also other tools to inform about composition and structure. Another part of the story is the variability of properties with size, as these nanoparticles cross the metal-to-molecule dimension. The lecture will include the beginnings of analogous ventures into other kinds of small nanoparticles, such as silica and metal oxides.

The research has been supported by NSF and ONR.

Biography: Dr. Murray was educated at Birmingham Southern College (B.S., ‘57) and Northwestern University (Ph.D., analytical chemistry, ‘60), joined the University of North Carolina faculty in 1960 and became Kenan Professor of Chemistry in 1980. He was Chemistry Department Chairman 1980-85. Murray has been colleague to nearly 160 graduate and post-graduate students, with whom he has published over 445 papers. Notable recognitions include the Olin Palladium Medal (The Electrochemical Society), the Charles N. Reilley Award (Society for Electroanalytical Chemistry), the Faraday Medal (Royal Society of Chemistry, UK), Breyer Medal (Royal Australian Chemical Institute), American Chemical Society Award in Analytical Chemistry, the North Carolina Award in Science, the Pittsburgh Analytical Chemistry Award, the Southern Chemist Award, and the Luigi Galvani Medal of the Italian Chemical Society. He is an elected member of the National Academy of Sciences and of the American Academy of Arts and Sciences. He has served since 1991 as Editor-in-Chief of the journal Analytical Chemistry.

Murray’s research interests include electroanalytical methods, the molecular design of electrode surfaces and nanoparticles, electrochemically reactive semi-solid media, mass transport and electron transfer dynamics, electrocatalysis, and voltammetry in extreme media. His role is to raise resources, keep order, and let good students do the rest.

Dinner Reservations: Please email Julie Theys, Arrangements Co-Chair at theysj@pittcon.org, by Thursday, January 28, 2010 to make dinner reservations. Should you not have email, please call Julie at 814-563-7236. Dinner will cost $8 ($4 for students) and checks can to be made out to the SACP. If you have any dietary restrictions, please let Julie know when you leave message.

Parking: Duquesne University Parking Garage entrance is on Forbes Avenue. Upon entering the garage, you will need to get a parking ticket and drive to upper floors. Bring your parking ticket to the dinner or meeting for a validation sticker. Contact Dr. Mitch Johnson at Duquesne University if any difficulties arise.
For the 11th consecutive year, the Pittsburgh Section’s National Chemistry Week (NCW) celebration was held at the Carnegie Science Center. For 2009, the event was conducted on Friday and Saturday, October 23-24 and featured the theme “Chemistry - It’s Elemental!” Major sponsors for the event included the Society for Analytical Chemists of Pittsburgh, the Spectroscopy Society of Pittsburgh, PPG Industries Foundation, Bayer Corporation, and the Carnegie Science Center.

A total of 308 volunteers, from 32 groups and organizations, conducted hands-on experiments, activities, and demonstrations that focused on the elements, in celebration of the 140th anniversary of Mendeleev’s Periodic Table of the Elements. Once again, PPG Industries presented their “Reactions in Action” theater-style show, with two performances on Friday, October 23rd. Of the 308 volunteers, 179 (58%) were ACS members or affiliates (students, teachers, technicians, etc.). Total attendance for the two-day event was 4,445 (2,749 on Friday, 1,696 on Saturday).

For the 2009 NCW celebration, the Pittsburgh Section reached out to underrepresented minorities in the Southwestern Pennsylvania area to promote science education and literacy. Through financial support provided by the Society for Analytical Chemists of Pittsburgh, the Spectroscopy Society of Pittsburgh, and the PPG Industries Foundation, 1500 students and 226 chaperones from 19 schools were provided an opportunity to participate in the NCW celebration. Without the generous support from the above mentioned financial sponsors, these students would not have participated in a science-related school field trip during the 2009-10 school year. In all, 1718 students from 22 schools attended the NCW event.

The Pittsburgh Section wished to thank its NCW sponsors, the organizations that sponsored hands-on experiments and activities at the NCW celebration, and the 308 volunteers who dedicated their time and efforts to make the event a success. Working together with these dedicated partners, the Pittsburgh Section is able to accomplish the mission of the NCW program; to communicate to the public positive messages about the contributions of chemistry to our quality of life.

Mark Your Calendar: NCW 2010
The Carnegie Science Center has been reserved for Friday and Saturday, October 22-23, 2010 for the Pittsburgh Section’s NCW celebration. The 2010 NCW theme is “Behind the Scenes with Chemistry.”

Submitted by V. Michael Mautino, NCW Coordinator

ACS Offers Special Benefits for Unemployed Members

During these tough economic times it’s more important than ever to belong to the American Chemical Society. Unemployed members can tap into a host of valuable benefits and services that help them get back in the workforce. And, members in good standing may qualify for an unemployed member dues waiver, allowing them to renew their memberships and keep their member benefits at no cost. Contact ACS at service@acs.org, 800-333-9511 or 614-447-3776 for complete details.

Other valuable benefits that help unemployed ACS member get back in the workforce include:

- Free registration at ACS National Meetings and greatly reduced registration fees at Regional Meetings. Many meetings offer ACS Career Fairs with on-site interviews.

- Special discounts for ACS/Harvard online courses, ACS ProSpectives and Short Courses, and the ACS Leadership Development System.

- Membership in the ACS Network, your online resource to connect and communicate with friends, colleagues, and potential employers.

- Free Guidance from ACS Career Consultants - ACS mentors offer resume reviews, job search strategies, and interview tips that make you stand out from the rest.

- Free access to InterviewStream, an online tool that will sharpen your interview skills

- Members-only access to the ACS Salary comparator.

- And more!

Contact ACS customer service today at service@acs.org, 800-333-9511 or 614-447-3776 today and let us know how we can help.

ACS Cut and Paste
November/December 2009
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• Promoting Science Education

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The Crucible

The Crucible is published monthly, August through May. Circulation, 2,500 copies per month. Subscription price, six dollars per year. All statements and opinions expressed herein are those of the editors or contributors and do not necessarily reflect the position of the Pittsburgh Section.

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http://membership.acs.org/P/Pitt

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Crucible Deadline
The deadline for items submitted to The Crucible is the 1st of the month prior to publication.

For example, all items for the February 2010 issue must be to the editor by January 1, 2010.

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- SUPPLIES
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Senior Administrative Officer
Department of Chemistry
University of Pittsburgh
The Department has approximately 30 faculty, 250 graduate and postdoctoral research students, 350 undergraduate majors, and 30-40 staff personnel.

The responsibilities include all aspects of staff personnel administration, developing and maintaining the budget, and faculty support services. The duties are to serve as the administrative coordinator in the graduate student recruiting and admissions committees, make instructional assignments, and direct public relations and fundraising.

An advanced degree (Masters or higher) in Science or Business and five or more years in research or academic administration with > 20 employees is highly preferred. Strong interpersonal, writing, and communications skills are also required.

Interested candidates should apply via Pittsource only at www.hr.pitt.edu/employment.
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Pittsburgh Area Calendar

Monday, January 11
Society for Analytical Chemists of Pittsburgh  
“Nanostructure-Enabled Electronic Diagnostic Devices”  
Shana O. Kelley, Ph.D.  
Duquesne University, Laura Falk Hall

Wednesday, January 20
Spectroscopy Society of Pittsburgh  
“Detection of Chemical, Biological and Explosive Agents Using Raman Spectroscopy”  
Steven Christesen, Ph.D., Edgewood Chemical and Biological Center  
Duquesne University, Mellon Hall of Science (Laura Falk Hall)

Technology Forum  
“Technology, Innovation and Economic Development on the Waterways”  
James R. McCarville, Port of Pittsburgh Commission

Monday, February 1
Society for Analytical Chemists of Pittsburgh  
“Analytical and Electron Transfer Chemistry of Nanoparticles”  
Royce W. Murray, University of North Carolina  
Duquesne University, Laura Falk Hall

Friday, February 5
Job Searching For Chemical Technicians  
Harbor Gardens, Student Services Area Conference Rooms, Bidwell Training Center, Pittsburgh, PA

Saturday, February 6
Job Searching For Chemical Professionals  
Room A221/A224, Langley Hall, University of Pittsburgh, Pittsburgh, PA

Additional chemistry related seminars and events in the Pittsburgh area can be found on the Pittsburgh Section’s website at http://membership.acs.org/P/Pitt