The Greater Pittsburgh Area Women Chemists Committee is pleased to announce the establishment of three awards to recognize distinguished service in the field of chemistry. Recipients of these awards will be recognized and featured in our upcoming spring symposium. Please direct any questions related to these awards or the WCC organization to the WCC Chair (Michelle Ward) at muscat@pitt.edu or 412-624-8064.

Award for Encouraging Women into the Chemical Sciences
This award recognizes significant accomplishments by individuals, male or female, who have stimulated or fostered the interest of women in chemistry, promoting their professional developments as chemists or chemical engineers. Nominees for the award may come from any professional setting in the greater Pittsburgh area: academia, industry, government, or other independent facility. Nominees need not be a member of the WCC or the ACS.

Award for Early Career Excellence in the Chemical Sciences
This award recognizes the achievements of early-career female chemists and chemical engineers in the greater Pittsburgh area who have a record of accomplishment in research. The nominee should be within the first ten years of her professional career in academia, industry, or government. Nominees need not be a member of the WCC or the ACS.

Award for Excellence in the Chemical Sciences
This award recognizes the achievements of mid- to later-career female chemists and chemical engineers in the greater Pittsburgh area who have a record of accomplishment in research. The nominee should be outside of the first ten years of her professional career in academia, industry, or government. Nominees need not be a member of the WCC or the ACS.

Call for Nominations
Nominations for the above awards will be accepted through Friday, March 16th. Nomination packets should include a minimum of two supporting letters, an up-to-date copy of the nominee’s CV, your full contact information, and contact information for the nominee.

Please submit your packet (hard copy or electronic pdf) to:
Dr. Michelle Ward
Re: WCC Award Nomination
Room 107 / Chevron Science Center
219 Parkman Avenue
Pittsburgh, PA 15260
muscat@pitt.edu
2012 Eastern Analytical Symposium & Exposition

November 12–15, 2012
Garden State Exhibit Center
Somerset, New Jersey

CALL FOR PAPERS
March 1–April 15, 2012

We want **YOU** to be a part of the 51st Eastern Analytical Symposium in 2012.
EAS seeks contributions from scientists in many areas of analysis, which makes its program uniquely strong. Visit our website www.eas.org or contact askEAS@eas.org in early 2012 for specific information on submission of papers and abstracts for EAS 2012.

**REMEMBER THE ABSTRACT DEADLINE OF APRIL 15.**

Areas of Interest
- Bioanalysis
- Capillary Electrophoresis
- Chemometrics
- Conservation Science
- Environmental Analysis
- ESR Spectroscopy
- Food Analysis
- Forensic Analysis
- HPLC
- ICP/MS
- Immunochromatography
- Industrial Hygiene
- Ion Chromatography
- IR Spectroscopy
- Laboratory Automation
- Laboratory Management
- Laboratory Miniaturization
- Ligand Binding Assays
- LC/MS, GC/MS
- Microchemistry
- Microscopy
- Nanoparticles
- Near-Infrared (NIR) Spectroscopy
- NMR Spectroscopy
- Pharmaceutical Analysis
- Process Analytical Science
- Protein Analysis
- Quality-by-Design
- Quality/Regulatory/Compliance
- Raman Spectroscopy
- Sample Preparation
- Science Education
- Sensors
- Size Exclusion Chromatography
- Solid State Analysis
- Space Analytics
- Supercritical Fluid Chromatography
- Surface Science
- Very High-Pressure LC/Ultra
- High-Pressure LC
- Vibrational Spectroscopy

Contact information:
**EAS Hotline** (732) 449-2280
**EAS Faxline** (732) 612-1123
**EAS E-mail** askEAS@eas.org

Eastern Analytical Symposium & Exposition, Inc.
P.O. Box 185
Spring Lake, NJ 07762

[www.EAS.org](http://www.eas.org)
Delivering the right formula

Chemspec USA, the most significant new event in the global fine, custom and specialty chemicals arena opens its doors in Philadelphia on May 8, make sure you secure your place by registering today:

VISIT WWW.CHEMSPECAMERICA.COM AND REGISTER ONLINE NOW FOR FREE, FAST-TRACK SHOW ENTRY

Tuesday May 8: Exhibition, Pharma Outsourcing Panel & Scientific Update Workshops

Dr. Magid Abou Gharbia, Former C&EN Editorial Advisory Board Member, Former Senior VP at Wyeth, now Associate Dean for Research, Professor and Director, Moulder Center for Drug Discovery Research, School of Pharmacy, Temple University

Dr. William Murray, Head of Chemistry, Cardiovascular & Metabolic Research, Janssen Pharmaceutical Companies of Johnson & Johnson

Dr. John Ellingboe, Senior Vice President of Discovery & Medicinal Chemistry, GVK Biosciences

Dr. Tom Sowin, Senior External Chemistry Manager, Abbott Global External Research

Pre-Reception session featuring:

Jay Vroom, President & CEO, CropLife America

Wednesday May 9: Exhibition, Agrichemicals Panel & Scientific Update Workshops

Dr. Pat Confolane, Current ACS Board Member, VP, Global R&D, DuPont Crop Protection

Dr. Scott Hutchins, Leader AgChem R&D & Global Crop Protection Function R&D, Dow AgroSciences LLC

Dr. Mike Tomasiak, Technology Manager, North American Formulations Manufacturing, BASF

George Poe, Global Supply Chain Leader, DuPont Crop Protection

ACS Short Courses will be offering the following courses alongside Chemspec USA:
- Practical and Applied Gas Chromatography
- Introduction to GLP Regulations and Bioanalytical Method Validation by LC/MS/MS
- Analysis and Interpretation of Mass Spectral Data
- Chemical Engineering and Process Fundamentals for Chemists

For further details see www.chemspectevents.com/usacs

Reasons to visit

- Philadelphia is easily accessible by road and rail from the Middle Atlantic region enabling many who do not usually have the time or budget to travel to more distant venues, the opportunity to visit Chemspec USA within a day
- Network with international suppliers of APIs, organic chemicals and other fine & specialty chemical suppliers
- Meet the experts from the Penn Merck High Throughput Experimentation Laboratory featuring Parallel Microware Reaction Screening
- The opportunity to connect with CRO’s and CMO’s from across the globe
- Philadelphia is home to world class universities, Pharma, Bio and other chemical institutions
- Visit the Chemical Heritage Foundation while in Philadelphia
- Additional conference content will be offered from Scientific Update and Ropella Group

Sample of Participants

AMPCHEM Fine Chemicals • Lonza • Sumitomo • TCI America • Optima • IsoChem • Novasep • KingChem • Porton Americas • Ubicem Pharma • UK Pavilion • European Pavilion • Halocarbon • The Chemical Co • Ortec • Perry Videx • Syrgis • VanDemark • PHT Int • Pressure Chemical Co • CRU • Pennsylvania Bio • The Dow Chemical Company • Chemtura and many more

Agenda

Monday May 7 – Wednesday May 9

Monday May 7: 10.45 Start

US: Benjamin W. Jones Global Consultant

Europe/Asia Pacific

John Lane Sales Director Chemspec Events

www.pittsburghacs.org

www.chemspecamerica.com

3
The Pittsburgh Section of the American Chemical Society (ACS) is sponsoring an illustrated poem contest for students in Kindergarten - 12th grade.

Contest Deadline: Entries must be received by Wednesday, March 28, 2012

Prizes: $50 in each of 4 grade categories: K-2nd grade, 3rd-5th grade, 6th-8th grade and 9th-12th grade

Mail entries to: Michael Mautino, 3485 Frye Ave., Finleyville, PA 15332  (For entry form: include student name, grade, school name, teacher name, teacher phone number and e-mail address on back of entry)

Winners of the Pittsburgh Section illustrated poem contest will advance to the ACS National Illustrated Poem Contest!

Questions: contact michael.mautino@bayer.com

Write and illustrate a poem using the CCED theme, “Rethinking Recycling—It’s Easy to Be Green!” Your poem must be no more than 40 words, and in the following styles to be considered:

HAiku • LIMERick • ODe • ABC POEm • FREE verse • END Rhyme • BLank verse

Possible topics related to recycling and chemistry include:

- Recyclable materials (e.g. aluminum, glass, paper, plastic) and the related chemistry
- Green chemistry and sustainability
- Biodegradable materials
- Reduction of greenhouse gases, pollution, and waste
- Any other relevant topics

Entries will be judged based upon:

- Relevance to and incorporation of the theme
- Word choice and imagery
- Colorful artwork
- Adherence to poem style
- Originality and creativity
- Overall presentation

Contest Rules:

- Poems must conform to a particular style. No poem may be longer than 40 words.
- The topic of the poem and the illustration must be related to the CCED 2012 theme, “Rethinking Recycling—It’s Easy to Be Green!”
- All entries must be original works without aid from others.
- Each poem must be submitted and illustrated on an unlined sheet of paper (of any type) not larger than 11” x 14”. The illustration must be created by hand using crayons, watercolors, other types of paint, colored pencils or markers. The text of the poem should be easy to read and may be printed with a computer, before the hand-drawn illustration is added, or the poem may be written on lined paper which is cut out and pasted onto the unlined paper with the illustration.
- Only one entry per student will be accepted.
- All entries must include an entry form.
- All illustrated poems and/or digital representations of the poems become the property of the American Chemical Society.
- Acceptance of prizes constitutes consent to use winners’ names, likenesses and entries for editorial, advertising and publicity purposes.
Dr. Hartkopf is a Professor of Architecture and Director of the Center for Building Performance and Diagnostics, Carnegie Mellon University (CMU). He received his Dr. Ing. (Ph.D.) from the University of Stuttgart (Germany) in 1989 and a Master’s in Architecture from the University of Texas in 1972, where he was a Fulbright Scholar.

Since 1972, Professor Hartkopf has been teaching and conducting research at CMU. In 1975, Prof. Hartkopf co-initiated the first multi-disciplinary program in architecture, engineering and planning in the US with grants from the National Science Foundation and the building industry. In 1981, he co-founded the Center for Building Performance and Diagnostics (CBPD). In 1988, Prof. Hartkopf created the Advanced Building Systems Integration Consortium (ABSIC), comprising leading building industries, six U.S. government agencies, two foreign governmental agencies, and CMU. ABSIC designed, constructed, and maintains the Robert L. Preger Intelligent Workplace at CMU, which officially opened in 1997.

The CBPD has been instrumental in the application of systems integration concepts, advanced technologies, and performance-based decision making for significant building projects in the USA, Germany, China, Korea, and France. The CBPD team has received numerous prestigious national awards. An award winning teacher and a frequent keynote speaker in Australia, Europe, Asia and the Americas, Hartkopf has authored over 100 technical publications. He continues his consulting with such organizations as Daimler-Benz, Volkswagen, ThyssenKrupp, Electricite de France, Siemens, the U.S. Department of State, and the U.S. Department of Energy. He has also been named chair of the United Nations Environmental Programme, Sustainable Building and Climate Initiative, which works worldwide to adopt sustainable building practices.

Over 70% of all electricity in the United States-over 40% of all primary energy-goes toward building operations. If the manufacture and transport of building materials, components, and systems is included, more than 50% of all primary energy consumed in the U.S. is building related. In NYC, 50% of the 14 million tons of waste come from building construction and change. This presentation will demonstrate how integration of energy conservation with renewable energy and distributed energy technologies can permit buildings to become energy generators, producing more energy on-site than is brought to them in the form of non-renewable resources.

For reservations, please contact Elliott Bergman by 1:00 PM on Tuesday March 27, 2012 at elliott.acstechnology@gmail.com. Our meetings are open to all. Cash or check payable to: Energy Tech Pgh Section ACS.

The cost of the dinner is $16 including tax and gratuity. Alcoholic drinks cost extra. Please specify your preference from the following menu choices: Spaghetti with meatballs, 15-layer lasagna, Four-cheese manicotti, Fettuccini Alfredo, or Grilled chicken Caesar salad. Also indicate special needs such as vegetarian, gluten-free, etc.
“Growing Futures & Biomedical Research:
An Inside Glimpse of Regenerative Medicine
in the Pittsburgh Region”

Site Visit to PTEI (Pittsburgh Tissue Engineering Initiative)
Across from 2nd Ave. and Bates St.
Bridgeside II -- 450 Technology Dr. Pittsburgh, PA

Reservation Deadline -- Friday, March 23, 2012

11:45 AM -- Luncheon Meeting at The Cheesecake Factory -- on own -- join our group of tables
Faces Sydney St. on SouthSide Works Town Square, 415 South 27th St., Pittsburgh, PA. 15203. (412) 431-7800.
Parking Garages nearby. Get parking stub validated at restaurant.

1:20 PM -- PTEI -- an overview of the field and opportunity to visit three of its labs.
Self-paid parking garage across from building. Meet in lobby -- must be pre-registered.

Johnny Huard Lab - Stem Cell Research Center dedicated to the application of musculoskeletal research focused on the development of biological approaches to improve tissue healing, regeneration and functionality. The SCRC is also dedicated to the development of gene therapy and stem cell therapy approaches to improve tissue healing and regeneration of a variety of tissues affected by disease or injury.

Alan J. Russell Lab - The Russell lab operates at the broad interface between materials and biology. Research areas include: development of engineering scaffolds to promote tissue integration of medical devices; development of bioplastic biodetectors; and development of new chemistries for biocides that can be attached to any surface resulting in permanently biocidal surfaces.

Stephen Badylak Lab - The major focus of the laboratory is the development of regenerative medicine strategies for tissue and organ replacement. The use of mammalian extracellular matrix (ECM) or its derivatives as an inductive template for constructive remodeling of tissue is a common theme of most research activities. Research interests include: Cell Matrix Interactions and Cell Signaling; Biomaterials and Biomaterial/Tissue Interactions; Biomedical Engineering as it relates to Regenerative Medicine; Developmental Biology and its role in Regenerative Medicine.

PTEI was incorporated in January 1996 as a free-standing novel initiative designed to encourage the development of tissue engineering (TE) by uniting the scientific, engineering and commercial talent of the Pittsburgh region. PTEI joins academic researchers with government and industry to promote development of advanced TE therapies and technologies and deliver them more rapidly to patients and the marketplace. PTEI’s mission is to establish the region as an internationally recognized center of excellence in research, education, and commercial technologies. PTEI coordinates the activities of five regional members: Allegheny-Singer Research Institute (ASRI), Carnegie Mellon University (CMU), Duquesne University, the University of Pittsburgh, and University of Pittsburgh Medical Center (UPMC). Each provides venues for academic research, training, and development programs. In turn, PTEI supports these organizations through research grants, educational programs, and access to national and international projects.

For reservations, please call Ed Martin by Noon, Friday, March 23, 2012 at (724) 335-0904 or by e-mail at edwardmartin1046@verizon.net
Society for Analytical Chemists of Pittsburgh
Continuing Education Program

SCIENCE (NOT THE POLITICS) OF MARCELLUS SHALE

THIS EVENT IS OPEN TO THE PUBLIC
SPACE IS LIMITED

When:        March 31, 2012

Where:       RJ Lee Group
             350 Hochberg Rd
             Monroeville, PA 15146

Agenda:      9:00 a.m. Interactive Tour and Discussion for teachers
             10:00 a.m. Speaker Presentations and Panel Discussion
             12:30 p.m. Catered Lunch

Speakers:    Terry Engelder, Penn State University, State College, PA
             Taylor Wade, Mark West, Houston, PA
             Others to be announced

To reserve a space, please complete the information below send with a check for $8.00 made payable to the SACP to:

Valarie Daugherty
SACP - Continuing Education Symposium
300 Penn Center Blvd., Suite 332
Pittsburgh, PA 15235

SACP - Continuing Education Symposium - Science of Marcellus Shale - Reservation Information

Name: ____________________________________________

Affiliation: ______________________________________

Email: ____________________________________________

www.pittsburghacs.org
Upcoming Spring 2012
Environmental Seminars
Sponsored by
PittCon, Environmental Group of the ACS Pittsburgh Section and the ACS Pittsburgh Chemists Club

April 18, 2012

*Kick-off movie - “An Inconvenient Truth”* presented by former Vice President Al Gore. In this documentary, Gore discusses the scientific evidence for climate change. The scientific accuracy was appraised by many environmental scientists. For example, William Schlesinger, dean of the Nicholas School of Environment and Earth Sciences at Duke University, said “He (Gore) got all the important material and got it right.” The film won the 2007 Academy Awards for the Best Documentary Feature and Best Original Song “I Need to Wake Up”. Film critic Roger Ebert said, “In 39 years, I have never written these words in a movie review, but here they are: You owe it to yourself to see this film. If you do not, and you have grandchildren, you should explain to them why you decided not to.”

**Mellon Institute Auditorium, 7:50 PM Brief Introduction**

**8:00-9:30 PM Movie**

April 19, 2012

**CMU PittCon Lecture I: “Greenhouse Gases and Climate Change: Some Science and Solutions”**
Dr. Robert Jackson from Duke University  
Hosted by Carnegie Mellon University, SSP and the SACP  
**Carnegie Mellon University, Mellon Institute Bldg, 4:45 PM**

**CMU PittCon Lecture II: “Shale Gas and its Environmental Interactions”**
Dr. Robert Jackson from Duke University  
Hosted by Carnegie Mellon University, SSP, SACP and the Environmental Group of the ACS Pittsburgh Section.  
**Pittsburgh Athletic Association in Oakland**
6:00 PM Social, 7:00 PM Dinner, 8:00 PM PittCon Lecture

April 24, 2012

**Lecture Title : “Green Chemistry and Sustainability”**
Dr. Terrence Collins, Carnegie Mellon University  
Hosted by the Environmental Group of the ACS Pittsburgh Section and the ACS Pittsburgh Chemists Club  
**The Spaghetti Warehouse**
6:00 PM Social, 6:40 PM Dinner, 7:30 PM Lecture

See more details in the next issue of The Crucible Newsletter.
Pittsburgh Section Younger Chemists Committee (YCC) Welcomes New Chair

The Pittsburgh Section Younger Chemists Committee (YCC) welcomes new Chair, Artrease Spann.

Artrease joined Heinz as a packaging engineer in December 2011. She received her B.S. in biochemistry from Spelman College and a M.S. in Chemistry from Georgia Institute of Technology, both in Atlanta, GA. She will be receiving her Ph.D. in physical chemistry from Florida State University under the advisement of Nobel Laureate Sir Harold Kroto, researching the development of self-healing materials containing carbon nanotubes. In addition to graduate research and teaching, Artrease was selected to be a Gubernatorial Fellow in Florida, working under the executive office of the governor to write policy to improve Florida’s science education, as well as oversee the state’s science curriculum.

Artrease has been heavily involved in community outreach, serving as vice president for Florida State’s Graduate Women in Science and mentoring undergraduates in science as a part of the Alliance for Minority Participation. She has also served on the national executive board for the Nation Society of Black Physicist and was a founding member of Georgia Tech’s National Organization of Black Chemist and Chemical Engineers Student Chapter.

For more information on the Younger Chemists Committee visit the Pittsburgh Section website at www.pittsburghacs.org.

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Society for Analytical Chemists of Pittsburgh

April Meeting

Monday, April 2, 2012
8:00 PM
Duquesne University, Laura Faulk Hall

“Characterization of Human Pheremones and their role in Disease Diagnosis”

George Preti, Ph.D.
Monell Chemical Senses Center and the University of Pennsylvania

Abstract & Biography: TBA

Dinner Reservations:
Please email the SACP Administrative Assistant, Valarie Daugherty at daugherty@pittcon.org by Wednesday, March 28, 2012 to make dinner reservations. Should you not have email, please call 412-825-3220, ext 204. Dinner will cost $8 ($4 for undergraduate students) and checks are to be made out to the SACP. If you have any dietary restrictions, please let Valarie 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. Please contact Duquesne University, if any difficulties should arise.

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www.pittsburghacs.org
The ASM Pittsburgh Golden Triangle Chapter
Presents

Aluminum Metallurgy for the Non-Metallurgist

Aluminum has been an important structural material for less than 100 years. During this time, the metal has become critical to society and industry in packaging, transportation, building and construction, and electrical applications. Students will be able to recognize the major aluminum alloys and fabricated products. Processes such as rolling and extrusion will be described with an emphasis on automotive, aerospace, and packaging end applications. Final properties such as strength, corrosion, and formability of heat-treatable and non heat-treatable alloys are compared. The effects of impurities and alloy elements on microstructure and properties are emphasized to provide a basic understanding of aluminum metallurgy. For course outline, visit the website below-left.

Robert E. Sanders, Jr. is an industry consultant, specializing in metallurgy and applications of aluminum alloys and products. Rob received his PhD in Metallurgy from the Georgia Institute of Technology in 1978 where he studied fatigue and fracture behavior of high strength aluminum alloys. He worked at the Alcoa Technical Center in aluminum alloy research and development. See Dr. Sander’s full biography at the website below.

Cost:
Includes continental breakfast and lunch

Member/Student Cost: $650
Non-Member Cost: $850

Group and Member Discounts:
2-4 attendees $600
5 and > $500

Sustaining Member discount:
$50/attendee

For details contact Dr. Wang at wangcas@gmail.com

Register online at:
http://www.asminternational.org/
Log into the ASM website to obtain the member’s rate.

Dates: April 18 and 19, 2012

Time: Day 1: 8:00 a.m.—5:00 p.m.
Day 2: 8:00 a.m. – 2:00 p.m.

Location: Hilton Garden Inn, Pittsburgh University Place
3454 Forbes Avenue, Pittsburgh, PA

Hotel Accommodations:
$139 per night with $5 Event Parking
Please call the hotel directly at (412) 688-1990 and ask for the ASM Metallurgy Course rate or you may reserve a room online at: http://hiltongardeninn.hilton.com/en/gi/groups/personalized/P/PITUCGI-GTC-20120417/index.jhtml?WT.mc_id=POG

Included with course fee -- attendees are welcome to attend the Andrew Carnegie Lecture, April 19, 2012 at 6:00 p.m. and listen to Dr. Sanders discuss “100 Years of Innovation in Aluminum Products” - dinner included. Must register separately at: http://pittsburgh.asminternational.org/portal/site/pittsburgh/
Spectroscopy Society of Pittsburgh
presents a
Continuing Education Symposium:

Science of Glass-Making

Saturday, April 21, 2012
Pittsburgh Glass Center
5472 Penn Avenue - Pittsburgh, Pennsylvania 15206

9:30-10:00 a.m.  Registration & Welcome

10:00-10:45 a.m.  “Guess that Glass:  Technical Glass Manufacturing”
Adam Tomaino, Kopp Glass

11:00 a.m -2:00 p.m. Glass Center Tour/Demo/Make a Glass Mosaic - in 2 groups

2:30-3:30 p.m.  Lunch - Church Brew Works

Registration Deadline: March 21, 2012
Registration Fee: $15 (must be over 21 to drink)
Luncheon, First Beer, and Parking Included at both

Please make check payable to SSP and mail the Registration Form below to:
Jenna Sabot
SSP - Continuing Education Symposium
300 Penn Center Boulevard, Suite 332, Pittsburgh, PA 15235

REGISTRATION IS LIMITED TO 50 PEOPLE.
THE FIRST 50 PEOPLE TO REGISTER CAN ATTEND.
LIMITED TO SSP MEMBERS AND ONE (1) GUEST.

SSP Continuing Education Registration Form - April 21

Name: ___________________________________ Affiliation: _______________________________________

Mailing Address: ___________________________________ Phone: _______________________________

Email: ___________________________________________________________  ☐ I am not staying for lunch

☐ Check here to request ACT 48 Credits  ☐ Chicken Breast  ☐ BBQ Pork Salad

☐ Tilapia  ☐ Farfalle Pasta

PPID NUMBER: __________________________

www.pittsburghacs.org
Mark your calendars now for Saturday, May 12, 2012 for the 2012 Tripartite Symposium, sponsored by the Pittsburgh Section of the ACS, the SACP, and SSP.

At this interactive café-style event you will learn the science behind various cuisine while enjoying selected beverages from local wineries/breweries and hors d’oeuvres. You will also have the opportunity to participate in an chemistry of food lab experiment.

Your leaders for this intellectual culinary event are:

Dr. Ariel Fenster
Research Associate & founding member of the Office for Science and Society at McGill University

Dr. Kent Kirshenbaum
Associate Professor of Chemistry at New York University & co-founder of The Experimental Cuisine Collective

Dr. Subha Das
Assistant Professor, Carnegie Mellon University

Registration coming soon! Check our websites or join our page on facebook for all the details as they become available.

pittsburghacs.org  sacp.org  ssp-pgh.org
University of Pittsburgh Chemistry Department
Spring Schedule

Thursday, March 1, 2012
Graeme Henkelman
University of Texas at Austin
Correlating Structure and Function for Nanoparticle Catalysts
Chevron Science Center, 2:30pm, Room 154

April 5, 2012
Ray Schaak
Penn State University
Title - TBA
Chevron Science Center, 2:30pm, Room 150

April 11, 2012
2:00pm
150 Chevron
Steven Elmore
Abbott Laboratories
Title - TBA

April 12, 2012
2:30pm
150 Chevron
Kevin Plaxco
University of California, Santa Barbara
“Better Living Through Biosensors”

April 13, 2012
2:30pm
150 Chevron
Kevin Plaxco
University of California, Santa Barbara
“The Physics of Structure-Switching Molecular Sensors”

April 17, 2010
4:00pm
154 Chevron
Lawrence Ziegler
Boston University

April 19, 2012
2:30pm
150 Chevron
Sarah Trimpin
Wayne State University
“Fundamentals of Inlet and Vacuum Ionization Methods Producing Highly Charged Ions, Novel Interfaces, and Applications”

April 19, 2012
Kirk Schanze
University of Florida
Title - TBA
Chevron Science Center, 4:00pm, Room 150

April 26, 2012
2:30pm
154 Chevron
Prashant Kamat
University of Notre Dame
“Capture, Convert, and Deliver: Quantum Dot Solar Cells for Light Energy Conversion”

May 3, 2012
2:30pm
154 Chevron
Flavio Maran
University of Padova
“Superefficient Electron Transfer through 3 10 Helical Peptides”

May 9, 2012
4:00pm
150 Chevron
Wilfred van der Donk
University of Illinois
Title - TBA

May 10, 2012
2:30pm
150 Chevron
Wilfred van der Donk
University of Illinois
Title - TBA

May 17, 2012
4:00pm
150 Chevron
Kenneth N. Raymond
University of California Berkeley
“Lanthanides: From Coordination Chemistry to the Clinic”

May 18, 2012
2:30pm
150 Chevron
Kenneth N. Raymond
University of California Berkeley
“Confinement and Catalysis in Chiral, Self-Assembled, Nanoscale Flasks”
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Dues Only $5.00/year, Call Valarie Daugherty 412-825-3220 Ext 204 Right Now!

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

For example, all items for the April 2012 issue must be to the editor by March 1, 2012.

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FTIR, UV/VIS Spectroscopy DSC, TGA, melting point
Ion Chromatography KF Aquametry, Titrimetry

Volunteers Needed!
There are a number of volunteer opportunities in the Pittsburgh ACS section! If you are interested in volunteering, please contact Jim Manner at manner1@comcast.net!
The Crucible is published monthly, August through May. 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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University of Pittsburgh
Genomics and Proteomics Core Laboratories
3501 Fifth Ave.
BST-3, Room 9035
Pittsburgh, PA 15260
Office phone: 412-624-6862
e-mail: manny@pitt.edu

POSITION AVAILABLE
Reaxis, Inc. is a specialty chemical manufacturing company, located in McDonald, PA, just outside of Pittsburgh, PA and has been in operation since 1995. Reaxis, Inc. manufactures an extensive range of products that are used in numerous industries including plastics, coatings, elastomers, adhesives, sealants, personal care, oil/gas drilling additives and lubricants.

Because of its business growth, Reaxis, Inc. has established the position of Manager of Laboratory Services. This is a very impactful position, responsible for developing a fully functional laboratory services department to supply the full array of laboratory services to the manufacturing, R&D and process development groups of Reaxis.

A strong academic and experiential background in chemistry, along with experience managing a chemical laboratory is required. Moreover, the initiative and willingness to establish a new position, serve in a high impact role and make a difference to a growing company is necessary.

If interested, contact joeroman@verizon.net for more details as to this position opportunity, requirements and hiring process.

The Crucible
The Crucible is published monthly, August through May. 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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Pittsburgh Area Calendar

Tuesday, March 27
ACS Pittsburgh Chemists Club  
“Growing Futures & Biomedical Research: An Inside Glimpse of Regenerative Medicine in the Pittsburgh Region”  
PTEI (Pittsburgh Tissue Engineering Initiative), 450 Technology Dr., Pittsburgh, PA

Wednesday, March 28
ACS Energy Technology Group, Pittsburgh Section  
The Pittsburgh Section AIChE  
“Energy Strategies for Sustainable Built Environments”  
Volker Hartkopf, Ph.D., Professor of Architecture and Director of the Center for Building Performance and Diagnostics  
Carnegie Mellon University  
The Spaghetti Warehouse, Pittsburgh, PA

Monday, March 31
Society for Analytical Chemists of Pittsburgh  
Continuing Education Symposium  
“Science (Not the Politics) of Marcellus Shale”  
R.J. Lee Group, 350 Hochberg Rd., Monroeville, PA

Monday, April 2
Society for Analytical Chemists of Pittsburgh  
“Characterization of Human Pheremones and Their Role in Disease Diagnosis”  
George Preti, Ph.D., Monell Chemical Senses Center and University of Pennsylvania  
Laura Falk Hall, Duquesne University

Wednesday & Thursday, April 18-19
Aluminum Metallurgy for the Non-Metallurgist  
Hilton Garden Inn, Pittsburgh University Place, 3454 Forbes Ave., Pittsburgh, PA

Wednesday, April 18
Pitcon, Environmental Group of the ACS Pittsburgh Section and the ACS Pittsburgh Chemists Club  
Environmental Seminar  
Movie: Inconvenient Truth  
Carnegie Mellon University, Mellon Institute Auditorium  
Pittsburgh, PA

Thursday, April 19
Pitcon, Environmental Group of the ACS Pittsburgh Section and the ACS Pittsburgh Chemists Club  
Environmental Seminars  
“Greenhouse Gases and Climate Change: Some Science and Solutions”  
Dr. Robert Jackson, Duke University  
Carnegie Mellon University, Mellon Institute Building  
Pittsburgh, PA  
“Shale Gas and its Environmental Interactions”  
Dr. Robert Jackson, Duke University  
Pittsburgh Athletic Association, Pittsburgh, PA

Saturday, April 21
Spectroscopy Society of Pittsburgh Continuing Education Symposium  
“Science of Glass Making”  
Pittsburgh Glass Center, 472 Penn Ave., Pittsburgh, PA

Tuesday, April 24
Pitcon, Environmental Group of the ACS Pittsburgh Section and the ACS Pittsburgh Chemists Club  
Environmental Seminar  
“Green Chemistry and Sustainability”  
Dr. Terrence Collins, Carnegie Mellon University  
The Spaghetti Warehouse, Pittsburgh, PA

Additional chemistry related seminars and events in the Pittsburgh area can be found on the Pittsburgh Section’s website at www.pittsburghacs.org