

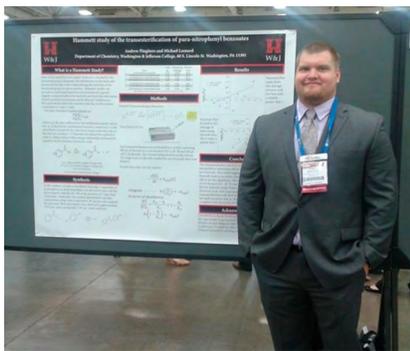
# The Crucible

## Pittsburgh Section Travel Grant Recipient Andrew Pingitore ACS National Conference - Dallas, TX

This past week comprised many "firsts" for me; my first time on an airplane, the first time I have ever been south of the Carolinas, but the biggest first was being at a national conference full of individuals who enjoy the same realms of the scientific world as me and being able to present research that I have done in an intellectual environment.

I was a part of the Undergraduate Symposium in a poster session. A poster session is where a group of presenters hang their posters in one room and people may walk around to each person presenting and ask questions about their research. I have been involved in many poster sessions throughout my undergraduate career, but none of this magnitude. There were many presenters, but there were also a fair share of curious minds that would stop to chat. It was a change of pace to talk to others who knew and understood what my research was about. The conversations were sometimes very informative for myself as some would have suggestions for my future work. It was safe to say that I was a little nervous at first to present my work but I am very glad that I had the opportunity to do so. Being able to

talk to a vast group of chemists about research that I have done and am interested in doing was an experience like no other.



**Pittsburgh Section Travel Grant Recipient Andrew Pingitore.**

It was an amazing sight to walk into the Dallas, TX convention center and see that the entire facility was filled with chemists; that the entire convention center was booked for this event. There were so many things that one could do, it was extremely difficult to decide where I wanted to go. It might have taken me longer to decide what talks to see than actually sitting through talks. The speaker that had intrigued me the most, surprisingly, did not talk much about chemistry but more so on her time being the scientific advisor for the show "Breaking Bad." The gist of the show is that the main character, Walter White, is a high school chemistry teacher who in lieu of a chronic sickness attempts to provide financial stability for his family by "cooking meth." Donna Nelson's, the scientific advisor, job was to sift through the scripts and scenes to make sure the science behind every-

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# Annual Awards Dinner

## Wednesday, May 7, 2014

*Co-Sponsored by*

### THE SOCIETY FOR ANALYTICAL CHEMISTS OF PITTSBURGH



*and*

### THE PITTSBURGH SECTION, AMERICAN CHEMICAL SOCIETY



Duquesne University  
Power Center Ballroom

Social Hour – 5:30 P.M.  
Dinner – 6:30 P.M.

**Entrée: Chicken Piccata**

**Cost of Dinner for members and/or guest - \$15.00 per person.**

**Each member may bring one guest.**

**Dinner reservations:** Please contact Valarie Daugherty, SACP Administrative Assistant at 412-825-3220 ext 204 to make your dinner reservation. Deadline date is Monday, April 28, 2014. If you have any dietary restriction, please note when you make your reservation.

**Parking:** For parking, please use the Duquesne University Parking Garage on Forbes Avenue. Please bring your parking ticket to the registration desk for a parking validation sticker.

### Travel Grant Recipient Andrew Pingatore Continued from Page 1

thing was accurate, from his lectures in class to his rants about chemistry to his partner in crime. This was a volunteer position as well, which made this talk even more inspiring. The reason she chose to do this was to bring accurate chemistry into the homes of many Americans. This is a very intuitive means to expand the field of chemistry into the next generation. There were many more speakers at the conference that I could easily talk about just the same, but that would make for a very long article to read.

All in all, I am very lucky to have obtained the opportunity to experience the American Chemical Society's National Conference in Dallas, Texas. I would like to thank the ACS Pittsburgh Division for helping in funding my trip expenses to go the conference. It would not have been possible without it.



chatham UNIVERSITY

Text CHEM to 313131 for a link to FAQs.  
Message and data rate may apply.

## ACS Energy Technology Group

Tuesday, May 13, 2014

### *“Natural Gas: An Energy Game Changer”*

**Ronald Muhlenkamp**

Founder and President of Muhlenkamp and Company

**Social Hour 6:00 PM, Dinner 6:30 PM, Talk 7:30 PM**

**Spaghetti Warehouse**

26<sup>th</sup> & Smallman Streets, Strip District, Pittsburgh PA

Free parking behind the restaurant

The price spread between natural gas and crude oil has widened significantly as a result of technological innovations in shale drilling. We now have a decent shot at cutting the cost of energy in this country in half during the current decade.

#### *Attend this meeting to learn how...*

1. Supported by low prices and plentiful supplies, natural gas markets will grow substantially, including power generation, over-the-road trucking, and Liquefied Natural Gas (LNG) exports.
2. An inventory of shut-in wells will likely assure low prices for years to come.
3. Petrochemicals will continue to expand with emphasis on downstream products.
4. Liquefied Petroleum Gas (LPG) exports will continue to increase with the U.S. playing a key role.

**Ronald H. Muhlenkamp** is founder and president of Muhlenkamp & Company, Inc., established in 1977 to manage private accounts for individuals and institutions. In 1988, Muhlenkamp & Company launched a no-load mutual fund as an investment vehicle for all investors, large or small. An award-winning investment manager, frequent guest of the media, and featured speaker at investment shows nationwide, Mr. Muhlenkamp’s entire business career has been devoted to the professional management of investment portfolios.

**For reservations**, please contact Elliott Bergman at [elliott.acstechnology@gmail.com](mailto:elliott.acstechnology@gmail.com) by 1:00 on May 12. Walk-ins are welcome. Our meetings are open to all. Cash or check payable to: Energy Tech Pgh Section ACS.

The cost of the dinner is \$20 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, Pesto Pasta, or Grilled chicken Caesar salad. Please indicate special needs such as vegetarian, gluten-free, etc.

## ACS Energy Technology Group

Tuesday, June 10, 2014

### *“A Look Back at Shippingsport”*

**Dr. Sam Cerni**

Westinghouse

**Social Hour 6:00 PM, Dinner 6:30 PM, Talk 7:30 PM**

**Spaghetti Warehouse**

26<sup>th</sup> & Smallman Streets, Strip District, Pittsburgh PA

Free parking behind the restaurant

The Shippingport Atomic Power Station was acknowledged to be the first full-scale civilian, central nuclear power plant but it wasn’t the first nuclear plant to produce electricity. In his presentation Dr. Cerni describes the state of the art of nuclear technology at the time of Shippingport starting with Enrico Fermi’s chain reaction experiment in 1941 and highlighting those reactors producing electricity, how and why the project was started, what reactor core design was selected, the reactor instrumentation and the obstacles that were overcome in the successful initial startup to full power. Shippingport validated the use of nuclear power for electrical generation and introduced the fuel rod design that has become the fuel rod of choice in virtually every operating reactor. The PWR concept enjoys a position of worldwide dominance today.

Dr. Sam Cerni was employed by Westinghouse for 38 years in undersea, terrestrial and space reactor applications. He started at Bettis in 1953, working on the Nautilus nuclear submarine and the Shippingport Atomic Power Station where he technically directed the initial startup to full power and held various management positions at the Astronuclear

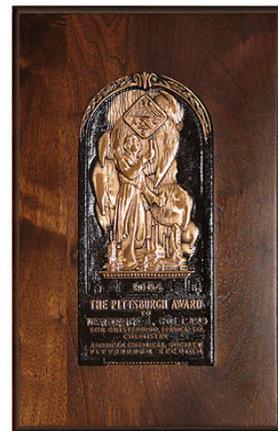
**Continued on Page 9**



## Call for Nominations

### Pittsburgh Section of the ACS Pittsburgh Award

The Pittsburgh Award was established in 1932 by the Pittsburgh Section of ACS to recognize outstanding leadership in chemical affairs in the local and larger professional community. This Award symbolizes the honor and appreciation accorded to those who have rendered distinguished service to the field of chemistry. The Award consists of a plaque presented annually at a section dinner. Members of the Pittsburgh Section, or in exceptional cases, nonmembers, who have done work worthy of recognition toward increasing chemical knowledge, promoting the chemical industry, benefiting humanity, or advancing the Pittsburgh Section, are eligible for consideration.



### The Distinguished Service Award

The Distinguished Service Award was established in 2007 by the Pittsburgh Section of the ACS to expand and replace the predecessor Chairman's Award of the section. Both recognize outstanding volunteer service to the Section. The Award, consisting of a plaque, is presented annually at a Section dinner, which is open to the public. Members of the Pittsburgh Section, past or present, who have provided outstanding service in advancing the Pittsburgh Section, are eligible for consideration.

\*

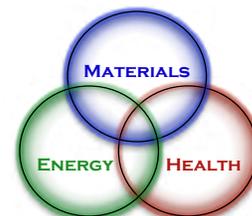
Nominations for both awards are solicited from the membership of the Pittsburgh Section. Please complete the fillable form with your contact information, the nominee's contact information, any supporting letters, and the nominee's CV or summary of their accomplishments. The nominations form as well as more information about the awards, including information on past winners can be found on the ACS website: <http://www.pittsburghacs.org/awards/pittsburgh-award/>

\*

Please send all nominations to Pittsburgh Section Chair-Elect, Mackenzie Speer, [mackenzie.speer@reaxis.com](mailto:mackenzie.speer@reaxis.com), by **September 5, 2014**. For more information about the nomination process, contact Mackenzie at 814-316-5757.



# 2014 ACS Central Regional Meeting



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**BRIDGING CHEMISTRY  
AND INNOVATION**  
CERM 2014

**THE 45<sup>TH</sup> CENTRAL REGIONAL MEETING**

**OCT. 29 – Nov. 1, 2014**

DOUBLETREE BY HILTON  
PITTSBURGH - GREEN TREE

## PLENARY SPEAKERS

**BRADLEY D. SMITH, PH.D.**  
UNIVERSITY OF NOTRE DAME



WEDNESDAY 10/29

**VICKI H. WYSOCKI, PH.D.**  
THE OHIO STATE UNIVERSITY



THURSDAY 10/30

**SARA E. SKRABALAK, PH.D.**  
INDIANA UNIVERSITY BLOOMINGTON



FRIDAY 10/31

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- VENDOR EXPOSITION
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- DISTINGUISHED SERVICE AWARD
- HIGH SCHOOL TEACHING AWARDS
- FORMER CHAIRMAN DINNER
- WOMEN CHEMISTS COMMITTEE LUNCHEON
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### FOR MORE INFORMATION CONTACT:

FOR GENERAL INFORMATION:

**JAY AUSES**  
GENERAL CO-CHAIR  
JPAUSES@PITT.EDU

**HEATHER JUZWA**  
GENERAL CO-CHAIR  
HLJUJWA@SHIMADZU.COM

FOR PROGRAM INFORMATION

**ADRIAN MICHAEL**  
PROGRAM CO-CHAIR  
AMICHAEL@PITT.EDU

**MICHELLE WARD**  
PROGRAM CO-CHAIR  
MUSCAT@PITT.EDU

FOR EXPOSITION INFORMATION:

**ELI ABSEY**  
EXPOSITION CO-CHAIR  
ELI\_ABSEY@WATERS.COM

**BRIAN STROHMEIER**  
EXPOSITION CO-CHAIR  
BRIAN.STROHMEIER@THERMOFISHER.COM



# CERM 2014

45th Central Regional Meeting  
Oct. 29 – Nov. 1, 2014, Pittsburgh, PA  
<http://www.acscerm2014.org>



Academe <input type="checkbox"/> Industry <input type="checkbox"/> Government <input type="checkbox"/> Other <input type="checkbox"/>			
Name:			
Company/Institution:			
Street Address:			
City, State, Zip:			
Local Section:		ACS Division(s):	
Phone:		Fax:	Email:
REGISTRATION FEES	ADVANCE Until October 3	ONSITE After October 3	<ul style="list-style-type: none"> <li>Registration must be accompanied by payment in order to be processed.</li> <li>Request for refunds must be submitted in writing prior to October 3rd in order to receive a refund minus the \$25 administrative fee.</li> <li>Questions can be directed to ACS Regional Meetings at 1-800-333-9511 or by contacting Lauren Stewart via email at <a href="mailto:L_stewart@acs.org">L_stewart@acs.org</a>.</li> <li>Please contact Lauren Stewart to advise of any dietary or physical restrictions at <a href="mailto:L_stewart@acs.org">L_stewart@acs.org</a>.</li> <li>*High School Teacher registration fee includes one Project Seed Luncheon Celebration ticket.</li> <li>**Receive a 20% refund off payment for the Rum Science Event on Wednesday and/or Friday just for staying at the Double Tree Green Tree. Refunds will be issued after conference and upon verification of reservation.</li> <li>◆Conference Registration is not required to attend this event.</li> </ul>
<input type="checkbox"/> 01. ACS Member	\$125	\$175	
<input type="checkbox"/> 02. Nonmember	\$200	\$250	
<input type="checkbox"/> 03. Graduate Student/Post-Doc	\$50	\$65	
<input type="checkbox"/> 04. Undergraduate Student	\$35	\$50	
<input type="checkbox"/> 05. High School Teacher*	\$60	\$75	
<input type="checkbox"/> 06. Retired/Emeritus	\$25	\$40	
<input type="checkbox"/> 07. Unemployed	No Charge	No Charge	
<input type="checkbox"/> 08. 50+ Year ACS Member	No Charge	No Charge	
<input type="checkbox"/> 09. High School or <input type="checkbox"/> Project Seed Student	No Charge	No Charge	
<input type="checkbox"/> 10. Guest	\$25	\$40	Spouse, relative or person who would not typically attend an ACS meeting <i>Guest of:</i> _____

SOCIAL EVENTS			
Event	Date	Time	Price
<input type="checkbox"/> YCC Luncheon	Wednesday, October 29	12:00 PM – 1:20 PM	\$15.00
<input type="checkbox"/> Welcome Reception – Wine, Wii and ‘Wiches◆	Wednesday, October 29	7:00 PM – 9:00 PM	\$12.00
<input type="checkbox"/> Rum Science – Pittsburgh Style**	Wednesday, October 29	7:30 PM – 9:15 PM	\$45.00 (Includes transportation)
<input type="checkbox"/> WCC Luncheon	Thursday, October 30	11:40 AM – 12:50 PM	\$25.00
<input type="checkbox"/> Central Regional Awards Reception & Dinner◆ Please select your entrée preference: <input type="checkbox"/> Chicken Florentine <input type="checkbox"/> Salmon <input type="checkbox"/> Pasta Primavera	Thursday, October 30	Cash Bar: 5:00 PM Dinner: 6:00 PM Awards: 7:00 PM	\$40.00
<input type="checkbox"/> Undergraduate Network and Resume Luncheon	Friday, October 31	11:30 AM – 12:50 PM	\$10.00
<input type="checkbox"/> Ice Cream Social with ACS Governance	Friday, October 31	2:00 PM – 3:00 PM	Complimentary
<input type="checkbox"/> Rum Science– Pittsburgh Style and a View**	Friday, October 31	5:30 PM – 10:20 PM	\$55.00 (Includes transportation)
<input type="checkbox"/> Project SEED Celebration Luncheon No Charge for High School & Project Seed Students	Saturday, November 1	11:30 AM – 1:30 PM	\$20.00
WORKSHOPS			
<input type="checkbox"/> ACS Career Workshop: Finding Your Pathway	Wednesday, October 29	8:00 AM – 12:00 PM	Complimentary
<input type="checkbox"/> ACS Career Workshop: Individual Resume Reviews	Wednesday, October 29	1:30 PM – 5:00 PM	Appointments will be scheduled.
<input type="checkbox"/> ACS Leadership Institute: Fostering Innovation***	Thursday, October 30	8:00 AM – 12:00 PM	Members: \$150 Non-Members: \$300
<input type="checkbox"/> ACS Leadership Institute: Leading Change***	Thursday, October 30	1:00 PM – 5:00 PM	Members: \$150 Non-Members: \$300

TOTAL FEES: Registration	\$ _____	Method of Payment: <input type="checkbox"/> American Express <input type="checkbox"/> Master Card <input type="checkbox"/> Visa <input type="checkbox"/> Check	
Social Events and Workshops	\$ _____		EXP DATE
TOTAL AMOUNT ENCLOSED	\$ _____	Cardholder Name (please print): _____	
		Signature: _____	

## CERM 2014 - WORKSHOP DESCRIPTIONS

1. **Finding Your Pathway** - Learn about the four main career pathways available to chemical professionals: Higher education, industry, government, and entrepreneurial careers and why each one may or may not be the right choice for you. This workshop is not only ideal for graduate students and recent grads, but also experienced professionals who are considering a career change. In addition to learning about which types of careers are available in each pathway, you'll also learn about the job market and hiring trends to help you make your choice. The workshop allows time for you to inventory your own values, interests, background, strengths and weaknesses so that you can select which career pathway you'd like to explore in detail. This course is being offered on Wednesday, October 29<sup>th</sup> from 8:00 AM – 12:00 PM

2. **Fostering Innovation \*\*\*** - We are constantly challenged to come up with new ideas, approaches, and solutions, yet most of us feel ill-equipped to do this effectively. With a systematic and proven process to generate ideas you can lead your team to develop new ideas. Gain the understanding and tools to tap into your own innovation style and stimulate innovative thinking among your team members. This course is being offered on Thursday, October 30<sup>th</sup> from 8:00 AM – 12:00 PM

3. **Leading Change \*\*\*** - Change is a constant today, yet it is often met with resistance. Leading change—whether it is a change in priorities, direction, or people—is critical to your success as a leader in your profession. This course provides leaders with a step-wise process to lead change and guide committee members, division members, and local section members more effectively through the change process for greater results and efficiency. This course is being offered on Thursday, October 30<sup>th</sup> from 1:00 PM – 5:00 PM

\*\*\*You **MUST** go to [www.acs.org/professionaladvancement](http://www.acs.org/professionaladvancement) to register and pay in order to reserve your seat for any of the ACS Leadership Courses being offered. The first nine people to register for any one of the Leadership Courses are complimentary and the next eleven registrants will receive a 50% discount.

### SPECIAL EVENTS AND ATTRACTIONS

#### **Rum Science – Pittsburgh Style, Wednesday, October 29<sup>th</sup>**

Learn a little rum science the old-fashioned way – through a tasty sampling of rum and a tour of Pittsburgh's only rum distillery in the city's Historic Strip District! You'll also learn the story behind Maggie's Farm Rum Distillery. Transportation to Maggie's leaves from the DoubleTree at 7:30 pm with tasting and a tour from 8-9 pm. Round-trip transportation for this event is included in the ticket price.

#### **Rum Science – Pittsburgh Style and a View, Friday, October 31<sup>st</sup>**

Take a taste and a ride as the science lesson includes Maggie's Farm Rum Distillery, a tour & tasting and then a ride up the historic Duquesne Incline where you will get a behind-the-scenes tour of the incline and discover the science of funiculars! Transportation to Maggie's leaves the DoubleTree at 5:30 pm with the tasting starting at 6 pm. Afterwards, you will be transported to the incline for a tour beginning at 7:20 pm. The view of downtown from the top of Mount Washington is one of the most beautiful in the city! After the tour, there will be free time to dine in Station Square before bus transportation back to the DoubleTree at 10 pm. *All transportation for this event is included in the ticket price.*

**CERM 2014 registrants and guests will receive a 20% discount on the 'Burgh, Bits and Bites Pittsburgh Food Tour, Saturday, November 1<sup>st</sup>.** Transportation is NOT included. While you're here, come learn Pittsburgh history by sampling the ethnic foods that represent the many immigrants that came over and worked in the steel mills. Gain some insight while eating your way through a neighborhood and discover its history! Tours begin at either 10 am or 1:30 pm. For more information about Burgh, Bits and Bites check out their website <http://burghfoodtour.com/>. See the CERM website, [www.acscerm2014.org](http://www.acscerm2014.org), under 'Events' for more information on how to get your 20% discount!

**CERM 2014 registrants and guests will receive a 20% discount on the Carrie Blast Furnace Tour, Saturday, November 1<sup>st</sup>.**

Transportation is NOT included. Learn about Pittsburgh history as the former steelmaking capital of the world. The Carrie Blast Furnace tour is a two-hour retired steelworker guided tour of the only blast furnace left in Pittsburgh. Towering 92 feet over the Monongahela River, constructed of 2.5. thick steel plate and lined with refractory brick, Carrie Furnaces 6 and 7 are extremely rare examples of pre World War II iron-making technology. Since the collapse of the region's steel industry in the 1970's and 1980's, these are the only non-operative blast furnaces in the Pittsburgh District to remain standing. Tours begin at 10 am. For more information visit Carrie Blast Furnace Tour. See the CERM website, [www.acscerm2014.org](http://www.acscerm2014.org), under "Events" for information on how to receive your 20% discount.

**Advance Registration ends Friday, October 3<sup>rd</sup> • All refunds are subject to the \$25 Administrative Fee**

- **Make your hotel reservation at the DoubleTree Green Tree Hotel and receive 20% off the Whiskey Science Events**
- **Visit [www.acscerm2014.org](http://www.acscerm2014.org) for up-to-date programming information**

## Regional Awards for Excellence in High School Teaching

### Call for Nomination CERM 2014

**Sponsor:** Division of Chemical Education

**Purpose:** To recognize, encourage, and stimulate outstanding teachers of high school chemistry in the ACS Regions.

**Nature:** The Region Award consists of a cash award and a plaque. Reasonable travel expenses to the Regional Meeting at which the award will be presented will be reimbursed. A certificate/plaque may also be provided to the recipient's institution for display. In some cases, the awardee may be asked to give a keynote address and/or participate in a symposium with other teachers.

**Eligibility:** Any individual, except a member of the award selection committee or currently enrolled student of the nominee, may submit one nomination or support form in any given year. The nominee must be actively engaged in the teaching of chemistry or a chemical science in a high school (grades 9-12) on at least a half-time basis. The nomination should clearly demonstrate as many of the following attributes as possible:

- The quality of the nominee's teaching; unusually effective methods of presentation should be emphasized;
- The nominee's ability to challenge and inspire students;
- Extracurricular work in chemistry or a chemical science by the nominee, including science fairs, science clubs, and activities that stimulate the interest of young people in chemistry and related sciences;
- A willingness to keep up-to-date in the field, as evidenced by the pursuit of a higher degree in chemistry or a chemical science, enrollment in refresher courses and summer institutes, regular attendance at scientific meetings, membership in professional organizations, and other means of self-improvement;
- Evidence of leadership and/or active involvement within the profession.

**Establishment & Support:** The Division of Chemical Education (DivCHED) established an endowment in 2004 to support Regional Awards for Excellence in High School Teaching in each of the ACS Regions.

**Contact Information:** All nomination materials should be emailed to CERM 2014 Awards Co-Chairs Fu-Tyan Lin and Huayun Yu ([ftlfml@comcast.net](mailto:ftlfml@comcast.net) and [huayun.yu@ferro.com](mailto:huayun.yu@ferro.com)). Nomination forms and additional information can be found at the CERM website [www.acscerm2014.org](http://www.acscerm2014.org).

## STANLEY C. ISRAEL REGIONAL AWARD FOR ADVANCING DIVERSITY IN THE CHEMICAL SCIENCES

### Call for Nomination CERM 2014



The Stanley C. Israel Regional Award recognizes individuals and/or institutions that have advanced diversity in the chemical sciences and significantly stimulated or fostered activities that promote inclusiveness within the region. For more information on this award, visit [www.acs.org/diversity](http://www.acs.org/diversity).

**DEADLINE**  
**August 1, 2014**

All nomination materials should be emailed to CERM 2014 Awards Co-Chairs Fu-Tyan Lin and Huayun Yu ([ftlfml@comcast.net](mailto:ftlfml@comcast.net) and [huayun.yu@ferro.com](mailto:huayun.yu@ferro.com)). Nomination forms and additional information can be found at [https://fs7.formsite.com/acsdiversity/form565868622/secure\\_index.html](https://fs7.formsite.com/acsdiversity/form565868622/secure_index.html).

## E. Ann Nalley Award for Volunteer Service to the American Chemical Society

### Call for Nomination CERM 2014

**DEADLINE: SEPTEMBER 5, 2014**

**Purpose:** To recognize the volunteer efforts of individuals who have served the American Chemical Society, contributing significantly to the goals and objectives of the Society through their Regional activities.

**Nature and Establishment:** This award was instituted in 2006 by ACS President E. Ann Nalley as part of her presidential initiative to recognize ACS volunteerism. It was Dr. Nalley's wish that the award continue in perpetuity at each regional meeting. The award consists of a plaque honoring the recipient with an imbedded medallion commemorating Dr. Nalley.

**Rules of Eligibility:** A nominee must be a member of the American Chemical Society residing in a local section within the region, and will have made significant contributions to their Region of the American Chemical Society. The volunteerism to be recognized may include a variety of activities, including but not limited to the initiation or sponsorship of a singular endeavor or exemplary leadership in the region. Past and present members of the ACS Board of Directors and staff are ineligible for this award.

**Selection of Recipient:** Nominations will be solicited from individuals, using the channels customary for other awards in the region. The awards committee of the region, or its equivalent, will select the recipient.

**Submitting a nomination:** Submit each of the following: (1) nomination form, (2) up to two support forms, and (3) biographical sketch (or curriculum vitae) by September 5. All nomination materials should be emailed to CERM 2014 Awards Co-Chairs Fu-Tyan Lin and Huayun Yu ([ftfml@comcast.net](mailto:ftfml@comcast.net) and [huayun.yu@ferro.com](mailto:huayun.yu@ferro.com)). Nomination forms and additional information can be found at the CERM website [www.acscerm2014.org](http://www.acscerm2014.org).

## Technology Group June Meeting Continued from Page 3

Lab at Large, PA, the Advanced Reactor Division at Waltz Mill and the Nuclear Fuel Division at Monroeville. He received a certificate from the Oak Ridge School of Reactor Technology and BS, MS and Ph.D. degrees in Mechanical Engineering from Carnegie Tech. Dr. Cerni is an Emeritus Member of the American Nuclear Society, with membership since 1956 and a Lifetime Member of the American Society of Mechanical Engineers.

**For reservations,** please contact Elliott Bergman at [elliott.acstechnology@gmail.com](mailto:elliott.acstechnology@gmail.com) by 1:00 on June 9. Walk-ins are welcome. Our meetings are open to all. Cash or check payable to: Energy Tech Pgh Section ACS.

The cost of the dinner is \$20 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, Pesto Pasta, or Grilled chicken Caesar salad. Please indicate special needs such as vegetarian, gluten-free, etc.

### **Get Connected!**

Stay up-to-date on all the happenings of the Pittsburgh Section ACS

**Section's Website:** [www.pittsburghacs.org](http://www.pittsburghacs.org)

**Facebook Page:** Pittsburgh Section of the American Chemical Society

**Linked In:** Pittsburgh Section of the American Chemical Society

**CERM 2014:** [www.acscerm2014.org](http://www.acscerm2014.org)

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# Business Directory

## Services

### PITTSBURGH SECTION OFFICERS

#### Chair

Amy Rupert  
7026-2A Biomedical Science  
Tower 3, 3501 Fifth Avenue  
Pittsburgh, PA 15260  
[ah37@pitt.edu](mailto:ah37@pitt.edu)  
610-349-3849

#### Chair-Elect

Mackenzie Spear  
941 Robinson Highway  
McDonald PA 15057  
[Mackenzie.speer@reaxis.com](mailto:Mackenzie.speer@reaxis.com)  
814-316-5757

#### Secretary

Logan Miller  
Duquesne University  
Department of Chemistry  
and Biochemistry  
600 Forbes Avenue  
308 Mellon Hall  
Pittsburgh, PA 15219  
[miller.logant@gmail.com](mailto:miller.logant@gmail.com)  
814-657-0722

#### Treasurer

Angelica Andreoli  
2301 Duss Ave  
Suite 35  
Ambridge, PA 15003  
412-420-7705  
[angelica@borons.com](mailto:angelica@borons.com)

## Services

### Volunteers Needed!

There are a number of volunteer opportunities in the Pittsburgh ACS section! If you are interested in volunteering, please contact Heather Juzwa at [hljuzwa@shimadzu.com](mailto:hljuzwa@shimadzu.com)!

### Crucible Deadline

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

For example, all items for the August 2014 issue must be to the editor by July 1, 2014.

### The Crucible

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**Editor: Traci Johnsen**  
124 Moffett Run Rd.  
Aliquippa, PA 15001  
Phone: 724-378-9334  
[tracijohnsen@comcast.net](mailto:tracijohnsen@comcast.net)

**Advertising Editor: Vince Gale**  
MBO Services  
P.O. Box 1150  
Marshfield, MA 02050  
Phone: 781-837-0424  
[cust-svc@mboseervices.net](mailto:cust-svc@mboseervices.net)

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# The Crucible

*A newsletter of the Pittsburgh Section of the American Chemical Society*

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## Change of Address

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To avoid interruption in delivery of your CRUCIBLE, please send your new address to Traci Johnsen, 124 Moffett Run Rd., Aliquippa, PA 15001. Allow two months for the change to become effective.

## Pittsburgh Area Calendar

### **Saturday, May 3**

#### **Tripartite Symposium**

University of Pittsburgh, 130 DeSoto St. (at 5<sup>th</sup> Ave.), Pittsburgh, PA

### **Wednesday, May 7**

#### **Society for Analytical Chemists of Pittsburgh and The Pittsburgh Section ACS**

##### ***Annual Awards Dinner***

Power Center Ballroom, Duquesne University, Pittsburgh, PA

### **Tuesday, May 13**

#### **ACS Energy Technology Group**

##### ***"Natural Gas: An Energy Game Changer"***

Ronald Muhlenkamp, Founder and President of Muhlenkamp and Company  
Spaghetti Warehouse, 26<sup>th</sup> & Smallman Streets, Strip District, Pittsburgh, PA

### **Tuesday, June 10**

#### **ACS Energy Technology Group**

##### ***"A Look Back at Shippingsport"***

Dr. Sam Cerni, Westinghouse  
Spaghetti Warehouse, 26<sup>th</sup> & Smallman Streets, Strip District, Pittsburgh, PA