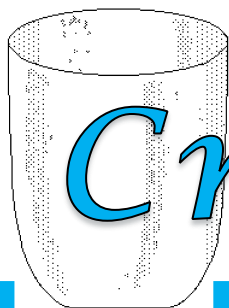




The Crucible



Volume CIV, No. 9

May 2019

50-Year, 60-Year, and 70-Year ACS Membership Awards

Each year the American Chemical Society honors those individuals who have achieved 50, 60, or 70 years of continuous membership. Each 50-year, 60-year, and 70-year member receives a certificate and badge for admission to any National ACS Meeting.

The following 4 Members of the Pittsburgh Section celebrate 50 years of membership in the American Chemical Society during 2019:

Mr. John P. Auses

R. Norman C. Clampitt, Jr.

Mr. Sam E. Chacra

Mr. Peter M. Nowakowski

The following 10 Members of the Pittsburgh Section celebrate 60 years of membership in the American Chemical Society during 2019:

Dr. Albert A Caretto, Jr.

Dr. Raymond A. Kramer

Mr. Glenn P. Craver

Dr. Patty H. Laswick

Mr. Dale F. DeBlander

Dr. Edward S. Martin

Mr. James J. Fasnacht

Mr. John S. Ostrowski

The following 2 Members of the Pittsburgh Section celebrate 70 years of membership in the American Chemical Society during 2019:

Dr. Sidney Friedman

Mr. George W. Perkins

The newly named Fifty-Year, Sixty-Year, and Seventy-Year Members will be honored at a separate awards lunch that will be announced later.

Contents...

50-Year, 60-Year and 70-Year ACS Membership Awards	1
Pittsburgh ACS and SACP Annual Awards Dinner	
The Pittsburgh Regional Science & Engineering Fair (PRSEF) Awards	2
Call for Nominations	4
Pittsburgh and Distinguished Service Awards	
Tripartite Symposium 2019	5
Tripartite Symposium Speakers	6
Tripartite Symposium Abstracts	7
ACS Energy Technology Group Dinner	10
Councilor's Report	11
Group Member Al Mann has Pittsburgh Section ACS Travel Award Information	12
Pittsburgh Section ACS Travel Award Application	13
Calendar	16

Annual Awards Dinner

Tuesday, May 14, 2019

Co-Sponsored by

THE PITTSBURGH SECTION, AMERICAN CHEMICAL SOCIETY



ACS
Chemistry for Life®

AND



THE SOCIETY FOR ANALYTICAL CHEMISTS OF PITTSBURGH



DUQUESNE
UNIVERSITY



Duquesne University Ballroom
(Student Union – 4th Floor)

Social Hour – 5:30 P.M.

Dinner – 6:30 P.M.

Entrée Choices:

Chicken Romano with Lemon Caper Sauce

or

Eggplant Parmesan

Cost of Dinner for members and/or guest - \$15.00 per person.
Each member may bring one guest.

Dinner reservations: Please contact sacpinfo@pittcon.org or 412-825-3220 ext. 200 to make your dinner reservation no later than Monday, May 6, 2019 at NOON. 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.

The Pittsburgh Regional Science & Engineering Fair (PRSEF) Awards

The Pittsburgh Regional Science & Engineering Fair (PRSEF) celebrated its 80th anniversary on March 29-30th. The fair was held at Heinz Field where students from around the region presented their research. Members of the ACS Pittsburgh Section, Society for Analytical Chemists of Pittsburgh (SACP), and Spectroscopy Society of Pittsburgh (SSP) judged student posters and presented several sponsor awards.

ACS Pittsburgh Section

Senior Division

Shivani Watson – *Catalytic oxidation of endocrine disrupting compounds using TAMLs*

Intermediate Division

Gracie Hall – *Identification with Titration*

SACP

Senior

Shivani Watson – *Catalytic oxidation of endocrine disrupting compounds using TAMLs*

Elanor Barth Wu – *Formaldehyde production during E-liquid degradation*

Shreya Gulati – *AMD: analysis of mine drainage*

Intermediate

Landon Colaresi – *Inverted capacitive deionization for improved home air purification*

Gayath Karunaratne – *Could sugar in ripened fruits camouflage vitamin C?*

Junior

Ralou Benos & Nora Coen-Piriani – *Water quality in Pittsburgh's parks*

SSP

Senior

Elena Hochheiser – *Constructing a Holocene History of Celestine Lake Through Analysis of Organic Isotope Compositions within its Sediments*

Tian Schiera – *Fluorescence Quenching to Study Conformational changes in Protein Structures*

Intermediate

Joseph Donnelly – *Speed of Light in Gelatin*

Meghan Cavender – *Shine a light on it! The magic of photochemistry*

Junior

Emily Obara – *Dyeing For "Egg"cellence*

Gianna Kennelly – *How pH effects spherification*



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 include your contact information, the nominee's contact information, any supporting letters, and the nominee's CV. 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 (or questions about nomination process) to Pittsburgh Section Chair-Elect, Dr. Matthew Price, price@calu.edu. Nominations are due by **Tuesday, September 1, 2019**.



2019 Tripartite **CHEMISTS** **WITHOUT BORDERS**



Saturday, May 18, 2019, 8:30 am – 1:00 pm
Carlow University – AJ Palumbo Hall of Science and Technology
3333 Fifth Avenue, Pittsburgh, PA 15213

- 8:30** Registration and Opening Remarks
- 9:00** Chemists Without Borders: Past, Present and Future
Dr. Bego Gerber
- 9:45** Applying Chemistry to Solve Problems in the Developing World
Dr. Ronda Grosse
- 10:30** Intermission
- 10:40** Studying Abroad in Chemistry: An Opportunity for Undergraduate Chemistry Researchers to have an International Impact in Chemical Education
Dr. Bakarr Kanu
- 11:25** Chemists Without Borders Arsenic Project Development: Confronting the largest mass poisoning of a population in history by providing clean water in Bangladesh
Dr. Steve Chambreau

12:10 Luncheon and Discussion

OPEN TO THE PUBLIC

Please register by Friday, May 10th.

Registration Fee: \$10 - Luncheon & Parking* Included

(* Parking in lot at 3333 Fifth Avenue)

Please make check payable to SSP and mail the Registration Form below to:

Heather Juzwa, SSP - Tripartite Symposium

321 Winners Circle, Canonsburg, PA 15317

TRIPARTITE 2019 REGISTRATION FORM

Name: _____ Affiliation: _____

Mailing Address: _____

Email: _____ Phone: _____

_____ I am attending the luncheon. Dietary Restrictions: _____



Dr. Bego Gerber

- Chemists Without Borders: Past, Present and Future



Dr. Ronda Grosse

- Applying Chemistry to Solve Problems in the Developing World



Dr. Bakarr Kanu

- Studying Abroad in Chemistry: An Opportunity for Undergraduate Chemistry Researchers to have an International Impact in Chemical Education



Dr. Steven Chambreau

- Chemists Without Borders Arsenic Project Development: Confronting the largest mass poisoning of a population in history by providing clean water in Bangladesh

Chemists Without Borders: Past, Present and Future

Bego Gerber



Hear the remarkable story of some remarkable people making a remarkable difference. What are the foundations of Chemists Without Borders? Why does it exist? How does it work? Why does it matter? Who is affected? What have we learned? Where do we all fit in? What is possible?

Bego Gerber is Managing Director of Business Development International, a lifestyle marketing company, and is an Executive Associate accredited by the Institute for Independent Business. Dr Gerber's expertise ranges from academic medical research to patented new product development in a no-walls start-up and in Fortune 100 R&D; and from idea processing and information management to entrepreneurial lifestyle marketing and the development of B-Quadrant businesses on the Internet. He also spent many years as a passionate court appointed special advocate for abused and neglected children. Bego was educated at Heriot-Watt University in Scotland, has Master's and Doctoral degrees from the University of California, Santa Barbara, and was a postdoctoral fellow at the Johns Hopkins University.

Bego is Chairman and Co-Founder of Chemists Without Borders, and focuses on board development, fundraising, public relations and partnerships.

Applying Chemistry to Solve Problems in the Developing World

Ronda Grosse*, Rolande Hodel, Marya Lieberman, Julian Tyson



Chemists Without Borders is a non-profit organization, comprised primarily of volunteer chemists, with the mission of solving humanitarian problems by mobilizing the resources and expertise of the global chemistry community and its networks. Work to date has involved clean water initiatives, science education in developing countries, and inexpensive tests for analysis of medicines. This presentation will review projects aimed at improving living conditions in South Asia, including measuring heavy metal concentrations in the Bangladesh food supply and renewable energy options for affordable housing in India. Projects in Africa include development of paper analytical devices to provide high quality chemical analysis of pharmaceutical samples and prevent falsified or substandard medications. Recent work in Kenya will be shared. Additionally, AIDSfreeAFRICA has set up a laboratory in Cameroon for drug testing. The status of these initiatives, technical progress, and ongoing opportunities and challenges will be discussed.

Ronda Grosse received her Ph.D. in analytical chemistry from the Ohio State University and her B.S. in chemistry from Bethel University in St. Paul, Minnesota. She has worked as an industrial chemist for 25 years in laboratory and managerial roles at Dow Corning Corporation. Her primary expertise is in molecular spectroscopy, chromatography, and mass spectrometry for materials characterization. Ronda is an active member of the American Chemical Society. She is an advocate for science education and conducts chemistry demonstrations in local schools, as well as other outreach activities.

Ronda is on the Board of Directors at Chemists Without Borders. She serves as the organization's liaison with the ACS. Ronda actively supports Chemists Without Borders' projects by providing technical guidance and assisting with grant writing and other communications.

Ronda's international experience includes scientific research in Japan and an affordable housing project in India. She is passionate about improving quality of lives by combining science and service, and exploring sustainable ways that we can collectively create positive change in our global community. Originally from New Castle, Pennsylvania, she resides in Saginaw, Michigan, with her husband and two daughters.

Studying Abroad in Chemistry: An Opportunity for Undergraduate Chemistry Researchers to have an International Impact in Chemical Education

Bakarr Kanu



Developing undergraduate research through service learning is a high impact practice that can greatly influence student engagement and success. In this project, a team of scientists has been working to develop inexpensive microchemistry kits to facilitate Chemistry Education in West Africa. Since 2015, several undergraduate STEM majors have engaged in research with the nonprofit organization, Chemists Without Borders, to enhance chemistry education in Sierra Leone. The ultimate goal has been to provide chemistry laboratory kits to high school and first-year university students' in Sierra Leone by training teachers to use the kits in their classrooms. In addition to standard labs that will help students understand basic chemical concepts, most of the STEM experiments developed for this project will focus on the application of chemistry towards practical knowledge relevant to the lives of ordinary Sierra Leoneans. Currently, we have assembled 15-lab activity kits ready for use in Sierra Leone. To implement this project, we developed a study abroad class at Winston-Salem

State University (WSSU) and we expect to offer this class in spring 2019. Students enrolled in this course will have the opportunity to travel to Sierra Leone and conduct a workshop to train teachers who will in turn use the kits in their classrooms. In addition, they will have an opportunity to learn about the politics, history, and culture of Sierra Leone. Upon implementation of this project, we anticipate the kits to service between 200-500 teachers and students, covering approximately 50 schools in Sierra Leone annually. Our hope is that once this project is executed successfully, it will be expanded to other English-speaking countries. We anticipate this service learning research project will attract students from underrepresented groups and influence their engagement in STEM activities at WSSU and the broader community of scientists.

Dr. Kanu received his Ph.D. in Instrumentation and Analytical Chemistry from the University of Manchester, Manchester, United Kingdom in 2003. His Ph.D. work developed a novel sampling device with "active membranes" that reduced sampling time by 60% and increased sensitivity by 25%. His sampling device, interfaced to several separation-typed instruments was used to characterize environmental pollutants. One of his papers, published in the Journal of Environmental Monitoring, January 2007 issue, was selected to appear on the front cover of the journal as a current cutting-edge research development on environmental processes and impact. In 2008, a second paper he published in the Journal of Mass Spectrometry, January 2008 issue, appeared on the front cover of the journal. Dr. Kanu is an expert in separation-type instrumentation techniques including gas and liquid chromatography, mass spectrometry, capillary electrophoresis, ion mobility mass spectrometry, to name a few. Dr. Kanu currently has over thirty-two peer-reviewed scientific publications in top-rated reputable journals, over fifty presentations and two patents (related to sample introduction interfaces). Dr. Kanu has mentored several undergraduate and graduate students in research and is very interested in developing activities to increase number of minority students enrolled and retained in STEM disciplines. Since joining WSSU, he has mentored over thirty undergraduate students in research and many have presented their results at regional and national conferences. One of Dr. Kanu's mentees won the Best Poster in Chemistry award at the 2016 Annual Biomedical Research Conference for Minority Students (ABRCMS).

His current research is modifying separation-type instrumental techniques to achieve rapid analysis of chemical and biological compounds. He is interested in investigating the fate of compounds like environmental soil-gas and water contaminants, drugs, explosives, chemical warfare agents, total suspended particles, nucleotides, nucleosides, peptides, proteins, forensic, and biological samples in complex matrices. Dr. Kanu has been studying the ingredients from plant sources to identify chemical compounds that may be useful for promoting health and/or fighting diseases. Additionally, he is interested in the chemical synthesis of novel polymers that may be useful in alternate energy and military type applications.

Dr. Kanu is the American Chemical Society Student Chapter Faculty Advisor (WSSU Chapter). His responsibility is to provide guidance and mentorship to the executive members and foster their smooth operation. Since 2012, the organization has volunteered in a number of community events. Dr. Kanu has membership in eight professional organizations and he is the current WSSU representative to National Organization for the Professional Advancement of Black Chemists and Chemical Engineers (NOBCChE) Collaborative Institutional. Dr. Kanu has developed curricular materials and pedagogical methods for instrumental analysis, quantitative analysis, and forensic chemistry. He has also developed and implemented guided inquiry projects in the laboratory portions of quantitative and instrumental analysis.

Chemists Without Borders Arsenic Project Development: Confronting the largest mass poisoning of a population in history by providing clean water in Bangladesh

Steven Chambreau



Dr Chambreau demonstrating the Hach arsenic test kit to students at Palmdale High School, Palmdale, CA

Back in the 1970s, in an attempt to provide hygienic drinking water in Bangladesh, the United Nations International Children’s Emergency Fund (UNICEF) and other aid agencies began installing millions of tube wells in Bangladesh villages as an alternative source of drinking water to contaminated surface water supplies. The program, which continued through the 1980s, was an early success. Instances of cholera, microbe-caused diarrhea, and other diseases dropped dramatically. But no one thought to analyze water for trace and ultra-trace impurities, and soon the good news turned bad. By the early 1990s, villagers began breaking out with skin disorders and experiencing fatigue symptoms of arsenicosis from drinking the water. Arsenic poisoning in drinking water in Bangladesh has been identified as one of the world’s greatest humanitarian disasters, with the World Health Organization characterizing the situation as “largest mass poisoning of a population in history.”

Out of 150 million people in Bangladesh, 35-77 million people are at risk from arsenic contamination of water. It is estimated that between 1-5 million children are at risk of death by arsenicosis, or arsenic poisoning, by 2030. Many countries with arsenic-contaminated groundwater do not face the same catastrophic outcomes as in Bangladesh, in part due to inaction on the part of the Bangladesh government. Clearly there are no simple, easily implemented solutions that would provide “arsenic-free” water in sufficient quantities to meet the requirements of communities in rural Bangladesh for drinking, cooking and irrigation of crops (particularly rice). Chemists Without Borders works to remedy this. The Arsenic Project in Bangladesh will be described from its inception and how the project has evolved into the work that is currently underway today, involving arsenic education, arsenic testing of wells and the development of alternative drinking sources in Bangladesh.

Steve Chambreau is a Co-founder of Chemists Without Borders, and has served the organization previously as Vice President, President and Director. Dr. Chambreau is a Research Scientist in the Propellants Branch at the Air Force Research Laboratory at Edwards Air Force Base, where he studies chemical dynamics. Steve grew up in California, attended school at UC Berkeley (BS 1993), San Diego State University (MS 1997), and UC Riverside (PhD 2002). He spent 2 years working as an NRC Associate at the Air Force Research Laboratory at Hanscom AFB near Boston, and 2 years as a postdoc with Professor Arthur Suits at Wayne State University investigating the H-atom roaming mechanism. Dr. Chambreau’s primary interest in Chemists Without Borders involves water quality issues, and he initiated the Arsenic Project in Bangladesh. In his various roles, Dr. Chambreau assisted Chemists Without Borders development in many ways including development of the mission and vision statements, incorporating the organization and obtaining 501(c)(3) non-profit status, fundraising, project development, and membership management.

Parking

Enter parking lot at the corner of Craft and Fifth Avenues. The AJ Palumbo Center is directly across the street from the parking lot.





“Energy Efficiency/Demand Response”

Ron Rydzak

Duquesne Light Company

ACS-Energy Technology Group Dinner

Abstract

The Watt Choices Program is provided by the Duquesne Light Company as part of PA Act 129 (Energy Efficiency and Demand Response). The Duquesne Light Watt Choices Program helps customers conserve energy and reduce demand while lowering their electricity costs. Watt Choices invites residential, commercial and industrial customers to take advantage of a wide range of energy efficiency, conservation and demand-response measures. By participating in these programs, customers are not only learning ways to conserve energy, they also are reducing their overall impact on the environment through reduced power plant emissions and load reduction.

Within the Program, all commercial and industrial customers are assigned to either the Industrial Efficiency (Industrial Rate Class), Large Commercial Efficiency (>300kW in monthly usage), Express Efficiency (<300kW in monthly usage) or the Public Agency Partnership Program (Education, Public Agencies, and Healthcare).

Biography

Ron Rydzak is the Commercial and Industrial Coordinator for the Duquesne Light Company’s Watt Choices Program. Ron is responsible for the largest Commercial customer segment in DLC’s Service Territory. For 2017 and 2018, Duquesne Light has been ranked #1 in customer satisfaction by J.D Powers for Mid-size East Utilities and the Watt Choices Program has been cited as Best in Class among PA electric utilities. Ron’s past experience includes a key role in Allegheny County’s development of energy efficiency programs using ARRA grant funds (U.S. Stimulus Act) and operations management for the information technology industry. A native of Pittsburgh, Ron has 23 years of Program Management, Energy Efficiency and Operations Management experience. Ron holds a B.S.B.A from Robert Morris University and Certified Energy Management training from Duquesne University.

Cost is \$26 (cash or check), walk-ins are welcome but an RSVP with dinner selection is preferred.

Dinner Menu: Soup, salad and choice of: Lasagna, Chicken Romano, Spaghetti w/meatball, Manicotti. Coffee, tea, and soft drinks, included.

Please RSVP by Monday May 13, with names of those planning to attend, and, *your dinner choice*, to:
ACS.ETG@gmail.com

Check In: 6:00-6:30 PM, **Dinner:** 6:30-7:30 PM, **Technical Presentation** 7:30-8:30 PM

Location: [Lombardozi’s Restaurant](#) - Bloomfield, 4786 Liberty Ave, Pittsburgh, PA 15224

Councilor's Report on: ACS Spring 2019 National Meeting

Orlando, FL April 3, 2019

Four ACS Pittsburgh Section Councilors were in attendance in Orlando.

The meeting attracted approximately 15,605 attendees and an exposition of over 230 exhibitors.

The Committee on Nominations and Elections presented to the Council the four nominees for selection as candidates for President-Elect, 2020. The Council selected H. N. Cheng and Carol A. Duane as Candidates for the 2020 President-Elect. These two candidates, along with any candidates selected via petitions, will stand for election in the Fall National Election. The Committee on Nominations and Elections presented results of the election held prior to the Orlando meeting to select candidates from the list of nominees for the position of District II Director, 2020-2022. By internet ballot, Councilors selected Christina C. Bodurow and Dawn Mason as Candidates for the District II Director. Ballots will be sent to ACS members in District II for the election in this district. The Pittsburgh local section is part of District II. The Committee on Nominations and Elections announced the selection of the following candidates for Director-at-Large for 2020-2022 terms: Harmon B. Abrahamson, G. Bryan Balaz, D. Richard Cobb, and Dorothy J. Phillips. The election of two Directors-at-Large from among these four candidates and any se-

lected via petition will be conducted in the fall. The Council approved the Petition to Streamline the ACS Governing Documents, which will reorganize the fundamental governing documents of the Society: the Constitution & Bylaws, and create a third document: Standing Rules. The petition will become effective if and when the proposed changes to the Constitution are approved by the membership of the Society. The Council voted on the recommendation of the Committee on Budget and Finance (B&F) to set the member dues for 2020 at the 2019 rate of \$175. This was instead of using the regular dues escalator to \$180.

The Council approved the recommendation of the Committee on Committees that the Committee on Nomenclature, Terminology & Symbols be continued; and that the Committee on Senior Chemists be continued, contingent on approval by the Board of Directors.

In 2018, ACS generated a net from operations of \$41.1 million, which was \$13.3 million higher than 2017. Total revenues were \$571.6 million, increasing 6.4% - or \$34.2 million - over 2017. Expenses ended the year at \$530.5 million, which was \$20.8 million or 4.1% higher than the prior year. These results were attributable to strong performance from the Society's Information Service

units (CAS and ACS Publications) and a continued emphasis on expense management across the ACS.

The Committee on Meetings & Expositions reported that the total meeting registration was 15,605. Of these, 7,887 were regular registrations, 869 were exhibitors, 6,019 were students, 404 were exposition only, and 426 guests.

The ACS ended 2018 with 151,012 members, a net membership growth of one-tenth-of-onepercent. This is the first membership growth ACS has recorded in the better part of a decade. Of the 25,000 new members who joined in 2018, about 20% were incentivized by market testing initiatives. Without these new members, ACS would have seen continued declines.

Council voted to extend the provision of the international dues discount test based on World Bank country income levels for an additional three years (August 2019 – August 2022).

Respectfully submitted,
Pittsburgh Section Councilors
Kim Woznack (Author)
Richard S. Danchik
Robert Mathers
Ed Zovinka



Dear Academic ACS Pittsburgh Section Members,

The Pittsburgh Section of the American Chemical Society has budgeted funds to help encourage undergraduate/graduate student participation in national and regional ACS meetings. The awards are intended to help defray meeting registration and travel-related expenses (lodging, transportation, per diem) for eligible students. Awards will be made based on the scientific merit of the paper/poster to

be presented, financial need, and preference will be given to ACS members.

To apply for the funds, applicants should complete the attached application and return it by the relevant deadline. The deadlines for receipt of applications are as follows:

- **06/01 (for travel to be completed by 12/31)**
- **12/01 (for travel to be completed by 06/30)**

As noted on the application, students should include an abstract and confirmation (if received) of the paper/poster being accepted for the Meeting. In addition to the application form, applicants should include a recommendation letter from the PI of the project being presented and/or a recommendation letter from another and a personal statement as to the anticipated benefits of meeting attendance.

Applications can be made electronically (*preferred*) by emailing the application to Heather Juzwa

(hlijuzwa@shimadzu.com or heather_sapko@hotmail.com) or by mailing a hard-copy application (Pittsburgh Section ACS Travel Grants / Heather Juzwa / Center / 321 Winners Circle / Canonsburg, PA 15317).

Since 2013, the Pittsburgh Section of the ACS has awarded up to four \$500 grants each year to aid our undergraduate/graduate student members in presenting papers or posters at ACS Meetings.

This is an ongoing program in our Section, and details will be updated on our website, (www.pittsburghACS.org), as necessary.

Applicants will be notified via email that their application was received. All efforts will be made to announce awards within two weeks of the application deadline, and all applicants will be notified of the final committee decisions. Our Section is looking forward to helping increase the participation of local students in ACS conferences. If you have any questions, please do not hesitate to contact me.

Sincerely,

Heather Juzwa, ACS Pittsburgh Section Student Travel Grants, Chair

Senior Field Sales Engineer, Shimadzu Scientific Instruments, Inc.



<i>Application Deadline</i>	<i>Travel Completion Date</i>
December 1 st	June 30 th (subsequent year)
June 1 st	December 31 st (same year)

Name of Applicant: _____

Name of Institution: _____

_____ Undergraduate Student / Year

_____ Graduate Student / Year

Mailing Address to Receive Payment if Awarded _____

Email: _____ Phone: _____

PI: _____

ACS Membership No.*: _____

**If you do not know your ACS number, please email hlijuzwa@shimadzu.com to receive it by email.*

Meeting Location: _____ Meeting Date: _____

Project Title: _____

_____ Paper Presentation _____ Poster Presentation

**Please attach a copy of your project abstract to the application.*

Has your project been accepted? Yes No

**Attach documentation regarding acceptance if received at point of application.*

Will this be your first presentation at an ACS national or regional meeting? Yes No

If no, please list conferences at which you have presented: _____

Purpose of grant: _____

Other funding sources (if any):

Personal Statement of anticipated benefits of meeting attendance

Has the applicant received a travel grant from the ACS Pittsburgh Section in the past? Yes No

If your application was selected, the Pittsburgh Section of the ACS would like you to write a short (one page) description of your activity upon completion of the conference for publication in our monthly newsletter, The Crucible, and on our website. The description is due within 30 days of the meeting attended. Photos are welcomed and encouraged.

I am willing to complete this report: Yes No

Signature: _____

Date: _____

Send completed hard-copy applications and supporting documentation to:

Pittsburgh Section ACS Travel Grants

Heather Juzwa, 321 Winners Circle, Canonsburg, PA 15317

Electronic copies of completed applications should be sent to hjuzwa@shimadzu.com and heather_sapko@hotmail.com. Be sure to place "Pittsburgh Section ACS Travel Grants" in the subject line.

Business Directory

Services

Pittsburgh Section Officers

Chair

Brad Davis

724-852-3376

bdavis@waynesburg.edu

Secretary

Matt Baker

5626 Beacon Street

Pittsburgh, PA 15217

mbaker1@andrew.cmu.edu

Treasurer

Amy Rupert

350 Sunset Rd.

Pittsburgh, PA 15237

treasurer@pittsburghacs.org

Crucible Deadline

The deadline for items submitted to The Crucible is the 15th of the month prior to publication. For example, all items for the August 2019 issue must be to the editor by July 15, 2019.

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 hjuzwa@shimadzu.com!



Society for Analytical Chemists of Pittsburgh CALLING NEW MEMBERS

Dues Only \$10.00, Call the SACP

Administrative Assistant at

412-825-3220 Ext. 212 **Right Now!**

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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124 Moffett Run Rd.

Aliquippa, PA 15001

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tracijohnsen@comcast.net

Services

Get Connected!

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

Section's Website:

www.pittsburghacs.org

Facebook Page:

Pittsburgh Section of the American Chemical Society

Linked In:

Pittsburgh Section of the American Chemical Society

Spectroscopy Society of Pittsburgh

- Professional Networking within the Spectroscopy Community
- Monthly Symposia by Prominent Researchers
- Promoting Science Education



To Join Call Amy: 412-825-3220 ext 212

The Crucible

A newsletter of the Pittsburgh Section of the American Chemical Society

124 Moffett Run Rd.

Aliquippa, PA 15001

Change of Address

If you move, notify the American Chemical Society, 1155 Sixteenth Street, N.W., Washington, D.C. 20036.

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

Tuesday, May 14

Pittsburgh Section ACS and The Society for Analytical Chemists of Pittsburgh
Annual Awards Dinner
Duquesne University Ballroom, Duquesne University, Pittsburgh, PA

Thursday, May 16

ACS Energy Technology Group
"Energy Efficiency/Demand Response"
Ron Rydzak, Duquesne Light Company
Lombardozzi's Restaurant—Bloomfield, 4786 Liberty Ave, Pittsburgh, PA

Saturday, May 18

2019 Tripartite Symposium
Chemists Without Borders
Carlow University, AJ Palumbo Hall of Science and Technology, 3333 Fifth Ave, Pittsburgh, PA