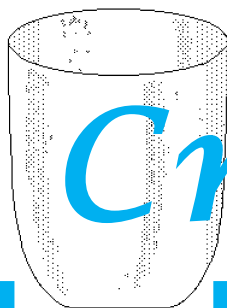


The Crucible



Volume CV, No. 3

November 2019



Congratulations to the 2019 ACS Pittsburgh Section Award Recipient!

Mr. Michael Mautino



The Pittsburgh Award, established in 1932 by the American Chemistry Society- Pittsburgh Section, recognizes outstanding leadership in chemical affairs in 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. It is with great excitement to announce Mr. Michael Mautino will receive this prestigious award this year.

Michael has worked for Covestro LLC (formerly Bayer MaterialScience, Bayer, Miles, and Mobay) for the past twenty-nine years. He began his career in product research and development with a focus on formulating polyurethane rigid foam insulation for a variety of consumer products, including refrigerators, freezers, water heaters, entry doors, refrigerated tractor trailers, and picnic coolers. He currently holds two patents in the area of polyurethane rigid foam insulation. In 2004, Michael became a Marketing Representative at Covestro and since 2012 has been a Product Line/Channel Manager in Covestro's NAFTA Polyurethanes Regional Channel Management Group.

[Continued on Page 12](#)

AMERICAN CHEMICAL SOCIETY
PITTSBURGH SECTION
AWARD BANQUET

Grand Concourse
100 West Station Square Dr.
Pittsburgh, PA 15219

Social Hour: 6:00 Cash Bar
Dinner: 6:45
Award Presentation: 7:45

Contents...

Pittsburgh Section Award	1
Recipient Michael Mautino	
Pittsburgh Award Dinner	2
ACS Pittsburgh Section Elections	3
For 2020 Officers	
Candidate Biographies	4
SACP & SSP November	7
Meeting	
NATAS Technical Conference	9
ACS Pittsburgh Energy	10
Technology Group November	
Meeting	
In Case You Missed It	11
Energy Technology Group	
Hosted Shell Ethylene	
Cracker Speaker	
ACS Pittsburgh Travel Grant	12
Grant Recipient Yingwei Li	
ACS National Meeting Trip	
Report	
Pittsburgh Section ACS Travel	13
Award Information	
Pittsburgh Section ACS	14
Travel Award Application	
Calendar	17



AMERICAN CHEMICAL SOCIETY
PITTSBURGH SECTION
AWARD BANQUET

Honoring

2019 Pittsburgh Award Recipient

Mr. Michael Mautino

FRIDAY, DECEMBER 6, 2019

Grand Concourse
100 West Station Square Dr.
Pittsburgh, PA 15219

Social Hour: 6:00 Cash Bar
Dinner: 6:45
Award Presentation: 7:45

DINNER REGISTRATION

Registration must be submitted by Monday, November 25, 2019: \$45.00; Student or Post-Doc \$25.00

Parking is not included in the cost but is available in lots adjacent to Station Square or through valet at the Grand Concourse.

To officially register for the event, payment must be received. Please register electronically at
<http://www.pittsburghacs.org/2019/10/28/2019-acpittsburgh-section-award-banquet/>

In lieu of electronic payment checks payable to **ACS Pittsburgh Section** are accepted; mail to Dr. Matthew Price, Chemistry and Physics Department, Box 56, 250 University Ave., California, PA 15419. Include the following information along with your check:

NAME _____

ADDRESS _____ **STATE** _____ **ZIP** _____

EMAIL _____

AFFILIATION _____

MEAL CHOICE (Please choose one): Sirloin Steak Salmon Rockefeller

Vegetarian (To Be Announced)



ACS PITTSBURGH SECTION ELECTIONS FOR 2020 OFFICERS

The 2019 Nominating Committee of the Pittsburgh Section of the American Chemical Society submits the following slate of candidates for Section office for 2020. All persons nominated are members of the society and have agreed to serve if elected. Only members of the Pittsburgh Section of the American Chemical Society are eligible to vote. The polls will open on November 11. Please note that all ballots must be received by November 24, 2019 when polls close.

CHAIR-ELECT

Kevin Noonan

SECRETARY-ELECT

Sean Garrett-Roe

COUNCILOR (Vote for 2)

Richard Danchik

Haitao Liu

Robert Mathers

Ali Sezer

Kimberly Woznack

Assuming you are a member in good standing, you will receive your ballot electronically. The polls will open on November 11th and close November 24th.

For ballot questions, please contact:

Matthew Baker

Secretary - ACS Pittsburgh Section

mbaker1@andrew.cmu.edu

CANDIDATE BIOGRAPHIES

Chair-Elect

Kevin Noonan received his B.S in Chemistry from Dalhousie University (2003) and his Ph.D. from the University of British Columbia (2008). From 2008 to 2011, he was a postdoctoral scientist at Cornell University with Prof. Geoff Coates, where he developed methods to construct phosphonium-polymers for hydroxide transport. Kevin joined the chemistry department at Carnegie Mellon as an assistant professor in 2011 and was promoted to associate professor in 2017. At Carnegie Mellon, his research has focused on precise methods for the synthesis of functional polymeric materials. He has co-authored nearly 30 peer reviewed journal papers. He has been an ACS member since 2010 and regularly attends and presents at ACS national and regional meetings.

Secretary-Elect

Sean Garrett-Roe received his B.S in Chemistry from Princeton University (1999) and his Ph.D. from the University of California, Berkeley (2005). From 2006 to 2011, he was a postdoctoral scientist at the University of Zurich with Prof. Peter Hamm, where he developed three-dimensional infrared spectroscopy (3D-IR) of hydrogen bonding in water. Sean joined the chemistry department of the University of Pittsburgh as an assistant professor in 2011 and was promoted to associate professor with tenure in 2018. At Pitt, his research has focused on ultrafast vibrational spectroscopy (2D-IR) of ionic liquids. He has published over 40 peer reviewed journal papers. He was awarded the Chancellor's Distinguished Teaching Award (2017). He has been an ACS member since 1999 and regularly attends and presents at ACS national and regional meetings.

Councilor

Richard Danchik Pittsburgh Section. Consultant, Pittsburgh, Pennsylvania.

Academic Record: Duquesne University, B.S., 1965; Wayne State University, Ph.D., 1968.

Honors: American Institute of Chemists, Fellow 1998; American Society of Testing Materials (ASTM) Fellow 1998; Sigma Xi; Phi Lambda Upsilon; ASTM Moyer D. Thomas Award 2007; ACS Pittsburgh Section Distinguished Service Award 2012; ASTM Award of Merit 1998; Society for Analytical Chemists of Pittsburgh Chairman's Award 2004; ASTM Award of Appreciation 2011; ASTM Lifetime Achievement Award 2014; ACS International Activities Committee Award of Appreciation 2015, ACS International Activities Committee Award of Recognition, 2018.

Professional Positions (for past ten years): Consultant, 1997 to date; Alcoa, Manager, Environmental Health Laboratory, 1979-96; Senior Scientist, 1974-79.

Service in ACS National Office: Budget & Finance Committee, Associate 2019, Committee on International Activities, 2010-18, 1992-2000, 2008-09 Committee Associate; Committee on Meetings and Expositions, 2002-07, Committee Associate, 2001; Advisory Board, Analytical Chemistry.

Service in ACS Offices: Pittsburgh Section: Councilor, 1991-2018, Alternate Councilor 2019, Chair, 1991, Chair-Elect, 1990; Director, 1992-04.

[Continued on Page 5](#)

Candidate Bio's Continued from Page 4

Member (current): Member ACS since 1966. American Institute of Chemists; American Industrial Hygiene Association; Spectroscopy Society of Pittsburgh; Society for Analytical Chemists of Pittsburgh, Chairman 1979; Pittsburgh Conference, President, 1986; American Society for Testing Materials International, 1969-2019, Chair of ASTM D22 Committee on Air Quality 2000-2006; International Standards Organization (ISO), 2000-2019. ACS Division of Analytical Chemistry

Related Activities: Member of the Editorial Board of the Applied Occupational and Environmental Hygiene Journal; Actively involved with Pittcon (Pittsburgh Conference on Analytical Chemistry and Applied Spectroscopy, President 1986 and have chaired numerous Committees for Pittcon and is the Negotiations Chairman for 2019; Authored or Co-authored numerous technical articles and has previously authored the Non-Ferrous Metallurgy Review for the Analytical Chemistry Journal.

Robert Mathers has been glad to serve the Pittsburgh ACS section as secretary (2008 and 2010), alternate councilor (2011-2013), and councilor (2013-2019). He also enjoys serving the ACS Polymer Division (POLY) as part of the Programming Committee for National meetings. Currently, Rob is a Professor of Chemistry at The Pennsylvania State University in New Kensington. Over the last 15 years, he has regularly attended and presented at ACS National meetings as well as the Polymer Gordon Research Conference. His research interests include green chemistry, designing sustainable materials, and degradation of plastics in the ocean. Prior to joining PSU, he graduated from North Carolina State University with a BS in chemistry, worked for a year in industry as a chemist, and then obtained a PhD in Polymer Science at The University of Akron in 2002. Afterwards, Rob spent two years as a postdoctoral researcher at Cornell University. Rob looks forward to continuing to serve the Pittsburgh local section.

Haitao Liu received his B.S in Chemistry from the University of Science and Technology of China (2001) and his Ph.D. from the University of California, Berkeley (2007). From 2007 to 2010, he was a postdoctoral scientist at Columbia University. He joined the chemistry department of the University of Pittsburgh as an assistant professor in 2010 and was promoted to associate professor with tenure in 2016. At Pitt, his research has focused on DNA nanotechnology and surface properties of carbon materials. His research produced more than 70 peer reviewed papers and was recognized by an AFOSR Young Investigator Award (AFOSR), an Chancellor's Distinguished Research Award (Pitt), and an Early-Career Award in Experimental Physical Chemistry (ACS). He has been an ACS member since 2005 and currently serves as the secretary of the ACS Pittsburgh section. In his spare time he enjoys target shooting and building electronic circuits. As the Councilor, he is interested in building a closer relationship between ACS and its student and industry members.

Ali Sezer: Dr. Sezer was born in a small village on the black sea coast of Turkey. He was raised and educated through college in Istanbul. After completing an undergraduate degree in chemical engineering from Yildiz Technical University, he came to the U.S. for graduate studies. Dr. Sezer earned a Ph.D. degree in chemical and materials engineering at the University of Nebraska-Lincoln followed by a postdoctoral research experience at Seaton Hall University in the area of laser processing of electrically conductive biopolymers. Upon completion of his postdoc, he took visiting assistant professor positions at Bucknell University and Haverford College in physical chemistry. Dr. Sezer is currently a full professor at California University of Pennsylvania, a position he has held since 2006. His current research activities are in the area

[Continued on Page 6](#)

Candidate Bio's Continued from Page 5

of molecular spectroscopy, synthesis, processing, and characterization of electrically conductive polymers and polymer nanocomposites. He is also currently serving as an alternate councilor at the Pittsburgh section of the American Chemical Society. He enjoys deep water diving in his free times and volunteers for mentoring activities for high school students who are interested in chemistry and related career fields.

Dr. Kimberly Woznack. Kim is a Professor at California University of Pennsylvania. Kim Woznack, has just finished her first term as Councilor for the Pittsburgh ACS local section. During her three year-term (2017-2019) she represented Pittsburgh at every national Council meeting. At national meetings, Kim regularly attends the Councilor caucus for District II, networking with other Councilors from our District, as well as, our District II Director. Kim has experience speaking at the microphone at Council and she is happy to represent the constituents in Pittsburgh. She looks forward to representing our local section as we transition from District II to District III next year.

Kim is now finishing her second year as the Chair of the national ACS Women Chemists Committee (WCC). As Chair, Kim oversees the committee of 29 members appointed by the ACS President, who execute the programs and events of the committee. The WCC products and services include, several highly competitive awards programs, programming at the national meeting, regional meetings, and webinars, national networking events, social media and online presence, and advocacy in the areas of prevention of sexual harassment, fair treatment of non-tenure track faculty, nomination of women for ACS national technical awards, and lab safety as it relates to women who may be pregnant or breastfeeding. Kim is one of the authors and a co-editor of the book, "Mom the Chemistry Professor," published by Springer in 2014 and in its second edition in 2018. As WCC Chair, Kim has also published two Comments in C&E News. Experience as a committee chair also informs Kim's role as a local section Councilor.

Kim Woznack has been an enthusiastic and active member of the ACS since she was an undergraduate student affiliate at Hartwick College. Earning her B.S. in chemistry in 1997. She went on to earn her Ph.D. in Inorganic Chemistry working with Art Ellis and Tom Kuech at the University of Wisconsin-Madison. She was a postdoctoral research associate in the field of chemical education with Chris Bauer at the University of New Hampshire from 2002-2004 before joining the faculty at California University of Pennsylvania. Kim served as the Chair of the Chemistry & Physics Department from 2011-2014. Kim is an advisor to the Cal U ACS-student affiliates group, who participates in National Chemistry Week (NCW), as well as other outreach events such as Chemists Celebrate Earth Week (CCEW) and the annual Take our Daughters and Sons to Word Day on the Cal U campus. They were honored to receive "Honorable Mention" for their work in the last cycle for student chapters' awards in 2018-2019. Kim is also one of the advisors for the multi-disciplinary, Cal U "Women in Science" Club.

Kim has been a member of the Society of Analytical Chemists of Pittsburgh (SACP) since 2009, and at least once per semester she drives a Cal U van filled with Cal U students (both ACS and SACP-student affiliates) to the monthly SACP meetings at Duquesne University. Kim also had the pleasure of serving as a Pittcon 2016 Conference Week Staff member in Atlanta.

Off-campus and away from the discipline of chemistry, Kim also volunteers for the California Area Soccer Association, youth recreation league. Kim is also the Assistant Scoutmaster for Boy Scouts of America (BSA) Troop 1423, as well as a co-leader of the Cub Scouts Pack 1423 Bears den.



Society for Analytical Chemists of Pittsburgh
Spectroscopy Society of Pittsburgh



November Meeting

Wednesday, November 13, 2019

8:00 PM Duquesne University

5:30 PM SSP Technology Forum – Power Center Ballroom

8:00 PM Technical Program – Power Center Ballroom

SSP Technology Forum

“A Sustainable Region: Built to Last”

Joylette Portlock, Executive Director, Sustainable Pittsburgh

Abstract:

Sustainable Pittsburgh focuses on systems change. Our programs engage hundreds of decision-makers and sustainability practitioners throughout the region who work with colleagues, organizations, and communities to advance positive, collective impact. Our work supports vibrant communities by helping people both invest in each other and improve their stewardship of natural resources. We encourage sustainability in a number of ways: through our performance programs, we accelerate and track environmental, social, and governance performance; we convene forums for peer to peer learning, assistance, and recognition; and our strategic partnerships bring diverse stakeholders to the table to solve our biggest problems through sustainable policy and practice.

[Continued on Page 8](#)

SACP Technical Program

**“From Hindsight to Foresight: A Review of LC/MS and the
Future Role of Mass Spectrometry in the Cannabis Industry”**

Dr. Jack Henion, Cornell University & Advion, Inc.

Abstract:

Modern LC/MS techniques have evolved from a problematic, challenging and complicated technique to a dependable, very important analytical tool in today’s world. First commercialized in 1979 LC/MS and more importantly with LC/MS/MS capability (and now high resolution mass spectrometry!) this technique is considered by many an essential tool in fields ranging from forensic to pharmaceutical applications and beyond. I have had the opportunity to be a part of several developments from the ‘early days’ (early 1974) to today’s rapidly changing world of new ionization modes as well as sample inlet improvements.

[Continued on Page 8](#)

SACP/SSP November Meeting

Continued from Page 6

This talk will discuss the importance of approaching decisions with an understanding of the interdependence of economic, social, and environmental concerns. It will also cover the importance of addressing these concerns simultaneously, and what it takes to build community around these issues - including the most urgent sustainability challenge of our time: climate change. Sustainability is an essential lens through which to consider and improve our relationship with the world around us, to generate prosperity, and to improve the social fabric of our communities.

Biography:

Dr. Joylette Portlock is the Executive Director of Sustainable Pittsburgh, a nonprofit working to advance sustainability policies and practices in southwestern Pennsylvania. Sustainable Pittsburgh regularly works with hundreds of partners in the region — including local governments, nonprofits, and the business community — to ensure our economy is built to last and that our people and our planet thrive. Prior to her role at Sustainable Pittsburgh, Dr. Portlock served as Associate Director of Science and Research at the Carnegie Museum of Natural History and as Executive Director of Communitopia, a nonprofit based in Pittsburgh that focuses on climate change communication. She holds a bachelor's degree in biology with a minor in anthropology from MIT and a Ph.D. in genetics from Stanford University. Her work focuses on building community around sustainability topics, with a particular interest in making important scientific, technical or complex information accessible and useful. Dr. Portlock has worked on environmental issues at the local, state, and federal level, and also currently serves on the Allegheny County Board of Health. She was an advisor to Project Drawdown, and serves in many other roles in the community. Dr. Portlock has lived and worked in the Pittsburgh region since 2007.

Technical Program Abstract Continued from Page 6

This presentation will provide a brief overview of some highlights in the progression towards modern approaches to LC/MS techniques. This will include benchmarking some of the very early 'successes' as well as highlighting some of the tremendous capabilities we have today. A brief digression will include excursions in CE/MS, IC/MS and SFC/MS which continue to develop further today. The current trend towards 'scaling down' the size of mass spectrometer systems and simplifying the implementation of LC/MS will be discussed. This can include miniaturization of the LC/MS systems so this powerful technique can be extended 'to the masses' of students and others who have not had the resources or the means of employing LC/MS technologies.

Although I commenced my LC/MS research as an academic at Cornell University, I 'fell into' an opportunity for entrepreneurship. This presentation will briefly overview how this transition evolved and how more recently it has led me to champion expanded use of LC/MS techniques in the rapidly growing cannabis industry.

[Continued on Page 9](#)

Dinner Reservations: To make dinner reservations, please complete the online reservation form at <http://www.ssp-pgh.org/ssp-monthly-meeting/> by **Noon on Monday, November 4, 2019**. Should you not have internet access, please call 412-825-3220, ext. 200. Dinner will cost \$10 (\$5 for students) and checks are to be made out to the SSP. If you have any dietary restrictions, please let us know when you leave a 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.

SACP/SSP November Meeting

Continued from Page 7

Biography:

Professor Jack Henion is Emeritus Professor of Toxicology at Cornell University where he was a member of the College of Veterinary Medicine commencing in 1976. Dr. Henion was co-founder of Advion BioSciences in 1993 and is now CSO of Advion, Inc. Professor Henion has received three *Doctor Honoris Causa* (Honorary Doctorate) degrees in recognition of his international reputation in modern analytical techniques from the University of Ghent, Uppsala University and Albany University. During his tenure at Cornell Professor Henion conducted research and explored applications in many areas of liquid chromatography/mass spectrometry (LC/MS) employing atmospheric pressure ionization (API) sources. Professor Henion has published over 235 peer reviewed papers in the scientific literature, trained nearly 100 students, post-doctoral scientists, and trainees while receiving 12 patents for inventions developed from his work. He has also received a number of awards which recognize his contributions to analytical chemistry and entrepreneurship. More recently in April 2017 Dr. Henion received the Outstanding Contribution to Anti-Doping Science Award from the Partnership for Clean Competition (PCC) for his development of a novel Book-Type Dried Plasma Spot Card and in the Fall of 2017 Dr. Henion was the winner of the 2018 Bioanalysis Outstanding Contribution Award (BOSCA).

**NORTH
AMERICAN
THERMAL
ANALYSIS
SOCIETY
47th Annual
Conference**

Technical Sessions(tentative):

- Additive Manufacturing
- Polymers
- Pharmaceuticals
- Kinetics
- Energetic materials
- Process Safety
- Rheology
- Food Science
- Metal & Ceramics
- TA Theory and Fast Scan Calorimeter
- Rheology
- General Poster/Student Poster
- Thermal Conductivity

**Technical Conference
August 3-6, 2020
Case Western Reserve University
Cleveland, Ohio, USA
See details: www.natasinfo.org**

NATAS

energetic
sustainable
safety glasses
Biomaterials
manufacturing GA
Thermal Analysis
pharmaceuticals
Conductivity
kinetics
DSC chemistry

ACS-Energy Technology Group Joint Meeting with ASM International

Thursday, November 21, 2019



Advanced Functional Nanocomposite Materials for Power Conversion and Harsh Environment Sensing Devices

Dr. Paul R. Ohodnicki, Jr.

Abstract

A number of emerging societal trends are increasing the needs for (1) improved visibility across the U.S. energy infrastructure as well as (2) enhanced and efficient control over the flow of electrical power. Novel sensors and power conversion device technologies are therefore of increasing importance and innovations in enabling advanced functional materials can allow for unprecedented improvements at both device and overall system level. This presentation will discuss the relevance of both oxide-based and metal-based nanocomposite materials for a wide range of functional device applications through tailoring of relevant electronic, photonic, and magnetic properties. Specific examples of engineered nanocomposite material systems realized through materials chemistry optimization and advanced manufacturing processes will also be presented in the context of power magnetics components such as inductors and transformers as well as harsh environment sensing devices such as optical fiber-based sensors.

Biography

Dr. Paul Ohodnicki, Jr. is a senior materials scientist at the National Energy Technology Laboratory where he serves as the PI for a number of projects in the areas of soft magnetic materials and devices as well as photonic and wireless sensor technologies and enabling functional sensor materials. He is a Pittsburgh native and an alumnus of both the University of Pittsburgh (B.S.) and Carnegie Mellon University (M.S., PhD), and has been the recipient of a number of major early career awards including the Presidential Early Career Award for Scientists and Engineers (2016) as well as the Carnegie Science Center Advanced Manufacturing and Materials Award (2017, 2019). He has authored or co-authored over 125 journal and conference publications with more than 25 patent applications and 10 awarded to date, and, will be named chair of the TMS Functional Materials Division at the TMS Annual 2020 meeting.

Cost is \$30 (cash or check), walk-ins welcome but RSVP is preferred.

Buffet Dinner Menu: Chicken Romano, Roast Beef au Jus, Rigatoni, Fresh Steamed Broccoli, Fried Zucchini & Potato Balls, Tossed Salad, Bread & Butter

RSVP by Monday November 18 to: ACS.ETG@gmail.com **Agenda - Check In:** 6:00-6:30 PM, **Dinner:** 6:30-7:15 PM, **Presentation** 7:30-8:15 PM, **Announcements and wrap up** 8:15-8:30 PM

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

In Case You Missed It – Energy Technology Group Hosted Shell Ethylene Cracker Speaker

On September 25, the Energy Technology Group teamed with the Pittsburgh Section of the AIChE for an excellent talk from Arthur Bailey, Technology Manager for the new Shell Ethylene Cracker plant in Monaca. Over 100 people in attendance learned about Shell’s cracking process, project timeline, and impact to the southwestern Pennsylvania region. The talk was held at the brand new Hilton Garden Inn In Monaca, and the 6th floor of the hotel gives beautiful views of the cracker as it is being built.



Pittsburgh Award

Continued from Page 7

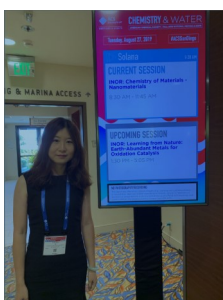
Over the past 20 years, Michael has also developed and managed the ACS-Pittsburgh Section's community outreach activities into an award winning program, recognized for engaging the public and promoting chemistry and science education and careers. Under Michael's guidance, the Pittsburgh Section's National Chemistry Week and Chemist Celebrate Earth Week programs have reached over 98,000 people and have been recognized with 17 national ACS "ChemLuminary" awards. In 2011, Michael was presented with the Pittsburgh Section's "Distinguished Service Award," and, in 2014 and 2018, he was named the Section's "Outreach Volunteer of the Year."

Michael also served as chair of the Section's Technician Affiliate Group for 5 years, during which time the group was recognized by the ACS's Division of Chemical Technicians with 3 awards; Most Innovative Technician Affiliate Group 1997; Best Overall Technician Affiliate Group 1998; and Most Innovative Technician Affiliate Group 2008. He is most proud of the ACS's Chemists Celebrate Earth Week program, which celebrated its 16th anniversary in 2019, a program that was developed under his leadership as Chair of the oversight committee. Based on his leadership in community outreach efforts and promotion of the applied chemical technology profession at a national level, Michael was named an ACS Fellow in 2010.

At the ACS national level, Michael is a recognized leader in community outreach initiatives and promoting the applied chemical technology profession. He has served as chair of the ACS's Division of Chemical Technicians, chair of the Committee on Technician Affairs, and was appointed the first chair of the Committee on Community Activities when the committee was formed in 2004. Michael has served as a member of several ACS national committees and task forces, including the Local Section Activities Committee, Committee on Committees, Membership Affairs Committee, Program Review Advisory Group, Editorial Board, *JobSpectrum.com*, and National Chemistry Week Task Force.

ACS Pittsburgh Travel Grant Recipient Yingwei Li

ACS National Meeting Trip Report



I want to take a moment to extend my most sincere thanks for giving me the ASC Pittsburgh section student travel grants. This award supported me to attend the ACS Fall 2019 National Meeting & Exposition in San Diego, and covered a large part of the flights and lodging for the two-day trip.

I went to San Diego on Aug. 26 and came back on Aug. 27. During that time, I attended my advisor's presentation and those of many other professors who are working on the same field. These talks inspired me a lot, especially that I made samples for some of these professors and it was my great honor to meet and discuss with them in person on the project we are working on.

My own presentation on my work went very smoothly as well although I was still a little bit nervous. The host and audience were very friendly and I got valuable feedback. I also talked to one of our collaborators who works on the calculation part for my experiment. We exchanged our understanding and reached an agreement on what to do, and by now, the project is almost done, and I'm working on the manuscript of it.

In general, it was an amazing experience to be one part of such an important meeting, and to have the opportunity to share my work with those who have the same interest. It should be mentioned that the day I gave my first academic speech was also my birthday which made it very memorable in my life.

Thank you again for giving me this award. If you would, please extend my thanks to the donors who made the prizes possible. I hope that someday I will be able to be as generous as they are.



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

(hjuzwa@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.



American Chemical Society
Pittsburgh Section

Student Travel Grant Application

www.pittsburghacs.org

<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

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bdavis@waynesburg.edu

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mbaker1@andrew.cmu.edu

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Amy Rupert

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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 January 2020 issue must be to the editor by December 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. 200 **Right Now!**

The Crucible

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tracijohnsen@comcast.net

Services

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Spectroscopy Society of Pittsburgh

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



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The Crucible

A newsletter of the Pittsburgh Section of the American Chemical Society

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Pittsburgh Area Calendar

Wednesday, November 13

Spectroscopy Society of Pittsburgh —Technology Forum

"A Sustainable Region Built to Last"

Joylette Portlock, Executive Director, Sustainable Pittsburgh

Society for Analytical Chemists of Pittsburgh—Technical Program

"From Hindsight to Foresight: A Review of LC/MS and the Future Role of Mass Spectrometry in the Cannabis Industry"

Dr. Jack Henion, Cornell University & Advion, Inc.

Duquesne University, Pittsburgh, PA

Thursday, November 21

ACS Pittsburgh—Energy Technology Group, Joint Meeting with ASM International

"Advanced Functional Nanocomposite Material for Power Conversion and Harsh Environment Sensing Devices"

Dr. Paul Ohodnicki, Jr.

Lombardozi's Restaurant—Bloomfield, 4786 Liberty Ave., Pittsburgh, PA

Friday, December 6

Pittsburgh Award Dinner

Grand Concourse, 100 West Station Square Dr., Pittsburgh, PA