



American Chemical Society - Pittsburgh Section
Volume CVIII, No. 6
January 2022

Contents

Message from our Chair: Kim Woznack	1-2
Pittsburgh Section Awards Banquet: POSTPONED	3
January SACP/SSP Meeting	4-5
Register for the Spring 2022 ACS National Meeting	6
2022 On the Road Announcement	7
ACS Meeting Registration and Travel Grant Application	8-10
Business Page	11



ACS Pittsburgh Section Welcomes 2022 Chair, Dr. Kim Woznack

Hello Everyone,

As the incoming Chair of the Pittsburgh Local Section (LS) of the American Chemical Society (ACS), I want to wish you a very healthy and safe 2022. While I have been serving in the role as Local Section Councilor since 2017, it is now my great privilege to serve as the Chair of the Pittsburgh section for 2022.

We have all been struggling with the impact of the global pandemic for nearly two years now. In addition to the consistent threats to our physical and mental health, the pandemic has also permanently impacted how organizations function and has presented both challenges and opportunities. It is my hope that this year we continue to learn more how we can meet safely when given the opportunity, and we can also make use of technology to have positive outcomes for our members and volunteers, as needed.

I would like to welcome the new officers who will be serving the Local Section this year or for their first term. Thank you to both new and returning volunteers for dedicating your time to the society. After discussion among the officers, and in consideration of the rising number of COVID cases, out of caution, we decided to postpone the Awards Dinner, originally scheduled for Saturday January 22nd. This Awards Dinner is to celebrate the following Award Winners: 2020 Pittsburgh Award winner Leigh-Ann Humbert, 2021 Pittsburgh Award winner W. Richard Howe, and 2021 Distinguished Service Award winner Evonne Baldauff. While we were all very much looking forward to it, we plan to have a celebration in late spring or early summer. Please continue to read your *Crucible* for more details and to visit the section website at: <https://pittsburghacs.org/>

The national ACS is also approaching face-to-face meetings with an abundance of caution. The ACS Leadership Institute is an annual program the ACS hosts to onboard new leaders in local sections and divisions, younger chemists, and student leader tracks. The 2021 Leadership Institute was originally scheduled for the weekend of January 21-23rd in Atlanta, GA, and they have also decided to change their delivery to avoid face-to-face interaction right now. Outgoing Chair Kevin Noonan and I each attended a virtual version of the ACS-Leadership Institute last year and our Chair-Elect, Ed Zovinka, will be attending this year. For more information on the ACS Leadership Institute please visit the website: <https://www.acs.org/content/acs/en/careers/leadership/leadership-institute.html>

The current plan for the Spring 2022 ACS national meeting is to have a hybrid meeting with a face-to-face portion in San Diego, allowing also for virtual presentations and attendees. For those planning to

American Chemical Society Pittsburgh Local Section

To advance the broader chemistry enterprise and its practitioners for the benefit of Pittsburgh region and its people.
www.pittsburghacs.org

attend face-to-face there is a vaccination requirement. Proof of vaccination must be uploaded at the time of registration for the face-to-face option. Registration for the meeting is now open as well as the housing reservation system. See the meeting site below:

<https://www.acs.org/content/acs/en/meetings/acs-meetings.html>

The ACS Local Section Activity Committee (LSAC), in affiliation with the ACS Board of Directors, has awarded our local section with a grant to conduct a Strategic Planning Retreat during 2022. The goal of the retreat is to craft and update the local section vision, mission, and goals for the next 5-year period. We plan to conduct this retreat in late spring or summer. I will learn more about this during the next few weeks. On behalf of past-Chair Kevin Noonan and myself, we would like to thank those members who took the time to complete the survey sent asking about how the local section can best serve you. This input will certainly be helpful as we approach the Strategic Planning process. This retreat is led by trained ACS Leadership Facilitators.

Finally, ACS has just released a new membership program, with different options or levels for members to choose from when renewing their membership. Please see their website for more information on the membership package that works best for you:

<https://www.acs.org/content/acs/en/membership.html>

We are always seeking new volunteers! If you are a member of the local section and you have ideas or want to help out, just reach out and let me know! We'd love to include you in our plans for 2022!

Best Wishes,

Kim Woznack (woznack@calu.edu)



AMERICAN CHEMICAL SOCIETY PITTSBURGH SECTION AWARD BANQUET

Honoring

2020 PITTSBURGH AWARD RECIPIENT

Ms. Leigh-Ann Humbert

2021 PITTSBURGH AWARD RECIPIENT

Mr. W. Richard Howe

2021 DISTINGUISHED SERVICE AWARD WINNER

Dr. Evonne Baldauff

POSTPONED TO SPRING/SUMMER 2022

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: \$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 [this link](#).

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

NAME _____

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

EMAIL _____

AFFILIATION _____

MEAL CHOICE (Please choose one per guest):

Petite Filet Mignon

Lobster & Shrimp Stuffed Salmon

Vegetable Ravioli

If you have any special dietary concerns please let us know.



*Society for Analytical Chemists of Pittsburgh
Spectroscopy Society of Pittsburgh*



January MEETING (In-Person or Virtual)

Wednesday, January 26, 2022



**DUQUESNE
UNIVERSITY**

in Pittsburgh



PLEASE NOTE THAT
DUQUESNE HAS AN IN-PERSON
MASK MANDATE IN PLACE

*5 p.m. - Social Hour in the Shepperson Suite
5:30 p.m. - Technology Forum in the Union Ballroom
6:30 p.m. - Dinner in the Union Ballroom
7:15 p.m. - Business Meeting in the Union Ballroom
8 p.m. - Technical Program in the Union Ballroom*

SSP TECHNOLOGY FORUM



**Kerri Cornell Duerr, Ph.D.
Associate Professor of Biology, Westminster College**

**"Birds as a tool for environmental
monitoring and life-long learning"**

Biography

Dr. Kerri Cornell Duerr is an associate professor of biology at Westminster College specializing in ornithology. Her research focuses on habitat use and population dynamics. In Dr. Duerr's work with undergraduate students, she has studied American kestrels, small mammals, and amphibians. She has studied ecology and ornithology throughout the U.S., Caribbean, and Central America. Enjoying all things outdoors, Dr. Duerr loves to travel, explore new ecosystems, and spend time with her family.

Abstract

Birds are charismatic and conspicuous animals that provide a connection between humans and the natural world. Roughly 10,000 species of birds occur on all seven continents making them an important taxon for monitoring global environmental change. Birds are relatively easy to detect and identify, attracting interest by people from diverse backgrounds. By observing birds, citizens become scientists who contribute knowledge about health of global ecosystems, and activists who influence cultural perceptions about conservation. Come on a journey to explore how human fascination with birds can lead global change.



SACP TECHNICAL PROGRAM

Paul Ohodnicki
Associate Professor in Mechanical Engineering and Materials and
Program Director of Engineering Science,
University of Pittsburgh

"Application of Fiber Optic Sensing for Infrastructure Monitoring"

Biography

Paul R. Ohodnicki Jr. is currently an associate professor in Mechanical Engineering and Materials Science department at the University of Pittsburgh and the Engineering Science program director. He is currently the chair of the TMS Functional Materials Division and a member of the Board of Directors. Prior to his current role, he was a materials scientist and technical portfolio lead in the Functional Materials Team of the Materials Engineering & Manufacturing Directorate of the National Energy Technology Laboratory. He graduated from the University of Pittsburgh in 2005 with a B.Phil. in engineering physics and a B.A. in economics and subsequently earned his M.S. (2006) and Ph.D. (2008) in materials science and engineering from Carnegie Mellon University. Ohodnicki has published more than 150 technical publications and holds more than 20 patents. He also is the recipient of a number of awards and recognitions, including the Federal Employee Rookie of the Year Award (2012), Presidential Early Career Award in Science and Engineering (2016), and the Advanced Manufacturing and Materials Innovation Category Award for the Carnegie Science Center (2012, 2017, 2019). In 2017, he was a nominee for the Samuel J. Heyman service to America Medal.

Abstract

An overview will be presented of some emerging applications of fiber optic sensing relevant for infrastructure sensing applications. Example motivating applications will be presented including grid modernization, energy resource recovery and transport, and power generation, along with an overview of a few selected existing and future sensing technologies under investigation. Emphasis will be placed on new research in the areas of low-cost fiber optic sensing technologies for embedded sensing within electrical power system assets such as transformers as well as the fusion between acoustic sensing and artificial intelligence / machine learning techniques for embedded intelligence within infrastructure such as pipelines and electrical power distribution lines as well as nuclear waste storage monitoring and management.

MEETING RESERVATIONS: For both in-person and virtual reservations, please [CLICK HERE](#) by **BY NO LATER THAN Monday, January 10, 2022**. In-person entree choices include Meat or Vegetable Lasagna. Please let us know if you have any dietary restrictions. Dinner will cost \$10 (\$5 for undergraduate students). Checks can be made payable to either SACP or SSP, depending on your membership. Please note the dinner policy included in your document links regarding cancellations.

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. The Power Center can be accessed from the 8th Floor of the Forbes Garage. Bring your parking ticket to the dinner or meeting for a valedation sticker. Please contact Duquesne University, if any difficulties should arise. If there is a special event, please note that you are there for an SSP or SACP meeting to get a parking ticket.

For any questions or problems, please contact Colleen, the Society Coordinator, at 412-825-3220 (Ext. 215).



ACS Spring 2022 National Meeting

San Diego, CA or
Online

This year's Spring meeting's theme is "Bonding through Chemistry". The meeting will be held from March 20-24. You can attend meeting events in different ways:

In-Person	Hybrid	100% Live Virtual	On-Demand
Attendees participate in-person in San Diego, with live Q&A. Presenters will present and participate in-person or, in some cases, provide a pre-recorded video to be played in the room with no opportunity for live Q&A interaction.	These sessions will be live streamed from San Diego. Presenters and attendees may participate in-person in San Diego or virtually via the meeting platform, or in some cases, presenters may provide a pre-recorded video to be played during the session.	All presenters and attendees participate 100% live virtually via the meeting platform, or presenters via providing a pre-recorded video to be played during the session.	Presentations uploaded for on-demand access will be available to view within 24 hours after the live presentation time. On-demand presentations will be then remain available until April 8, 2022 for registrants.

All in-person attendees are required to be vaccinated against COVID-19 by March 6, 2022.

Register today [by clicking here](#). A selection of registration pricing is provided below (other options can be found [here](#)):

Premium Package	Hybrid	Virtual
ACS Member or Society Affiliate	\$399	\$199
Student	\$99	\$49
Emeritus or Retired	\$199	\$99
50-year or Unemployed	\$0	\$0
One Day		
ACS Member, Society Affiliate, Emeritus, or Retired	\$199	\$99



ACS Local Section
Pittsburgh



**Host the 2022
ACS “On the Road” and
Mildred E. Perry Memorial Lecture**

Each year, the Pittsburgh local section features an “On the Road” event, which has the Mildred E. Perry Memorial Lecture. This is a great opportunity for local section chemists to visit your site or campus. The organizers choose the speaker and program details. Past organizers would be happy to share our experiences and websites if the host location is interested. In 2021, this event was hosted by Saint Francis University and featured Dr. Lan Deng from PPG. The event was virtual, and we encourage virtual events during these uncertain times. If your institution is located in the Pittsburgh Local Section and you would like to host the 2022 ACS “On the Road” event, please contact ACS Chair, Kim Woznack (woznack@calu.edu).

American Chemical Society Pittsburgh Local Section

To advance the broader chemistry enterprise and its practitioners for the benefit of Pittsburgh region and its people.
www.pittsburghacs.org



American Chemical Society Pittsburgh Section

www.pittsburghacs.org

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 (hljuzwa@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

www.pittsburghacs.org

Application Deadline	Travel Completion Date
December 1	June 30 (subsequent year)
June 1	December 31 (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 hljuzwa@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 hljuzwa@shimadzu.com and heather_sapko@hotmail.com. Be sure to place "Pittsburgh Section ACS Travel Grants" in the subject line.



The Crucible

The Crucible is published monthly, August through May. All statements and opinions expressed herein are those of the editors or contributors and do not necessarily reflect the position of the Pittsburgh Section.

Design Editor: Alysia Mandato, crucible@pittsburghacs.org

2022 Pittsburgh Section Officers

Chair

Kim Woznack
woznack@calu.edu

Secretary

Alysia Mandato
atm75@pitt.edu

Treasurer

Matthew Price
price@calu.edu

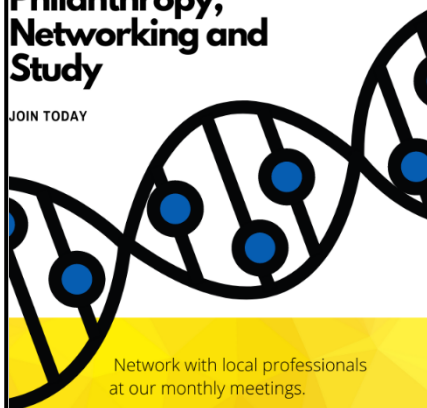
Spectroscopy Society of Pittsburgh



chemistryoutreach.org

Science Outreach through Philanthropy, Networking and Study

JOIN TODAY



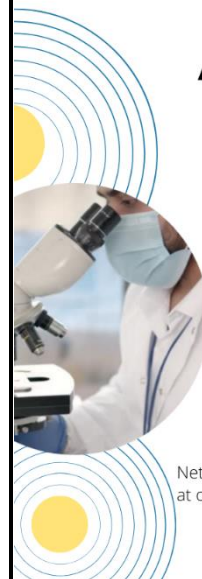
Network with local professionals at our monthly meetings.

Society for Analytical Chemists of Pittsburgh
chemistryoutreach.org



Advancing Analytical Chemistry through Science Education

JOIN TODAY



Network with local professionals at our monthly meetings.

Volunteers Needed!

We recently updated our website and are looking for someone to help with maintenance. If you are interested in volunteering, please contact Heather Juzwa at hjuzwa@shimadzu.com!

The Crucible Deadline

The deadline for items submitted to The Crucible is the 25th of the month prior to publication. For example, all items for the February 2022 issue must be to the editor by January 25th, 2022.

Advertise in The Crucible

	1X	3X	6X	10X
Full Page	\$120	\$115	\$100	\$75
Half Page	\$75	\$70	\$60	\$45
3.5" x 2"	\$50	\$45	\$25	\$20

ACS Member-Get-a-Member

Recruit a new member to the American Chemical Society and receive a free 2021 Periodic Table of the Elements blanket!

See [here](#) for more information

ACS Regional Awards – Apply Today!

More information can be found [here](#)