

the Catalyst



ACS
Chemistry for Life™

October 2024
Volume 109, No.8



2024 Ulliyot Lecture and Award

Featuring Professor Omar Yaghi

Thursday, November 14, 2024 | 6 PM to 8 PM

HIGHLIGHTS

Comments From the Chair	105
News Atoms	106
Undergraduate Student's Tour at SJ I	107
ACS Philadelphia Section Award	109
Directory of Services	113

ADVANCE NOTICE

NOVEMBER MEETING

2024 Ulliyot Lecture and Award

Featuring Professor Omar Yaghi

Thursday, November 14, 2024 | 6 PM to 8 PM

Science History Institute, 315 Chestnut St., Philadelphia, PA 19106

For more details and to register, please visit: <https://bit.ly/3ZSVhWt>

STAFF

EDITOR-IN-CHIEF

Robin S. Davis

EDITORS

News Atoms: Alan Warren

Proof Editors: Anthony Addison
Georgia Arbuckle-Keil
Kendra Luther
Corrie Kuniyoshi
Marge Matthews
Alan Warren

ADVERTISING MANAGER

Victor Tortorelli

COMMUNICATIONS COMMITTEE

Chair: Lee Hoffman

Anthony W. Addison
Georgia Arbuckle-Keil
Matthew Bodek
Robin S. Davis
Corrie Kuniyoshi
Kendra Luther
Marge Matthews
Victor Tortorelli
Alan Warren

CONTENTS

Comments From the Chair	105
News Atoms	106
ACS Career Consultants	106
Undergraduate Students' Tour at the Science History Institute	107
October Board of Directors' Agenda	108
ACS Philadelphia Section Award	109
2024 Ulliyot Lecture and Award	110
Philadelphia Section Women Chemists Committee	110
Opportunities to Volunteer.....	112
Directory of Services	113

Published monthly except July, August and December by the Philadelphia Section of the American Chemical Society. All views expressed are those of the editors and contributors and do not necessarily represent the official position of the Philadelphia Section of the American Chemical Society. Editorial matters should be sent to the attention of the Editor-in-Chief c/o the Philadelphia Section ACS, Department of Chemistry, University of Pennsylvania, 231 South 34th Street, Philadelphia, PA 19104-6323 or PhilaACS@gmail.com.

Advertising: Victor Tortorelli, vtortorelli@ursinus.edu

**Comments
From
the
Chair**



Dear Members and Friends of the Philadelphia Local Section,
October is upon us, and we're excited to share the latest updates and upcoming events for our community. We hope this fall continues to bring fresh opportunities for growth and collaboration, and we are eager to keep you involved in what's ahead.

First, a reminder about our upcoming Undergraduate Students' Tour at the Science History Institute on Saturday, October 19th. This event is specifically designed for undergraduate students to explore the history of the chemical sciences and engage with professionals from our Section. Participants will enjoy a guided museum tour, small group discussions over lunch, and an optional walking tour of Philadelphia with Professor Castaldi. We encourage you to spread the word to any students or institutions who might benefit from this enriching experience. RSVPs can be sent to Prof. Michael Castaldi at castaldimj@gmail.com.

We are also looking forward to celebrating the Philadelphia Section Award on October 30th. This year, we are pleased to recognize Prof. Ronald M. Levy, Laura H. Carnell Professor of Biophysics and Computational Biology, for his significant contributions to the field. The event will be held at the Science Education and Research Center (SERC) on Temple University's campus in Philadelphia. The evening will feature a reception at 6:00 PM, followed by a lecture at 7:00 PM. The reception and lecture are free and open to the public, and those interested can join us for an optional dinner with Prof. Levy afterward. More details, including how to purchase a ticket for the optional dinner, can be found on our website.

Lastly, we are thrilled to highlight the upcoming Ulliot Lecture, which will take place on November 14th at the Science History Institute. This year's lecture will feature Professor Omar Yaghi, a pioneer in reticular chemistry, who will discuss his groundbreaking work on metal-organic frameworks (MOFs) and their applications in carbon capture, water harvesting, and energy transformation. Admission is free, but space is limited, so please reserve your ticket soon to secure your spot. To RSVP and learn more, visit <https://bit.ly/3ZSVhWt>.

Thank you for your continued support and dedication to the Philadelphia Local Section. We look forward to seeing you at these upcoming events and continuing our shared journey in the chemical sciences.

Warm regards,

Dr. Matthew Irwin

Chair, ACS Philadelphia Local Section

NEWS ATOMS—Alan Warren

DEATHS

William David Williams, retired industrial chemist, July 3, 2023 at 83. He was employed by several industrial firms during his career.

Edward William Kaiser, Jr., retired research chemist, October 6, 2023. He was engaged in research at Ford Motor Company for 30 years and authored or coauthored over 100 technical articles.

Edward N. Kresge, retired polymer chemist, October 30, 2023 at 88. He enjoyed a 32-year career with Exxon in automotive research. Kresge received the American Chemical Society's Goodyear Medal, and the ACS Detroit Section's Midgeley award. He spent 12 years on the ACS Committee on Professional Training. He held more than 50 patents and wrote numerous technical papers and gave lectures on polymer chemistry.

Sydney Fleming, research chemist, March 1, 2024 at 99. He spent his 41-year career at DuPont's Experimental Station where he retired in 1994 as senior research fellow.

Robert W. Herion, Jr., retired engineer, May 17th at 99. He was vice president of engineering at Wyeth Laboratories. He also operated his own laboratory at home and provided community services for wastewater treatment.

Charles Francis Kuhlman, retired chemist, May 23rd at 81. He spent his 40+ year career with Wyeth, principally in the field of infant formulas and nutrition.

Thomas Edward Meteyer, retired organic chemistry research scientist, June 24th at 78. He spent two years in Brazil where he established a graduate chemistry program and taught chemistry at the University of São Paulo. He returned home and was employed in research for Rohm and Haas.

Ingeborg Schuster, organic chemistry professor, June 28th at 86. Born in Germany, she was educated in the United States. She spent 39 years on the faculty of Penn State's Ogontz (now Abington) campus. Schuster was a 60-year member of ACS.

Hazel Zief, retired chemistry teacher, July 28th at 102. She taught high school and college chemistry.

ACS CAREER CONSULTANTS

Would you like to speak to a local ACS Career Consultant? The Philadelphia Section career consultants can provide one-on-one career advice, resume reviews, or mock interviews. Please send an email request to acsphillycareerservices@gmail.com to set up an appointment.



Undergraduate Students' Tour at the Science History Institute

Event Details:

Date: Saturday, October 19th, 2024

Time: 11:00 AM – 4:30 PM

Location: Science History Institute, 315 Chestnut Street, Philadelphia, PA 19106

Hosted By:

ACS Philadelphia Local Section Senior Chemists, Younger Chemists, and Career Chemists Committees in partnership with Jefferson Chemistry Students and Faculty

Program Schedule:

Time	Activity
11:00 AM	Arrival at the Science History Institute
11:15 AM	Breakout into Small Groups
11:30 AM – 1:00 PM	Guided Museum Tour
1:00 PM	Walk to Lunch (Location TBA)
1:30 PM – 3:00 PM	Lunch and Small Group Discussions
3:00 PM – 4:30 PM	Optional Walking Tour of Philadelphia with Professor Castaldi

Why Attend?

- **Engage with Senior Chemists:** Gain insights from professionals who have witnessed the evolution of the field.
- **Career Guidance:** Receive resume feedback and discuss your future with members of the ACS Philadelphia Section.
- **Network:** Meet fellow chemistry students from various institutions.
- **Learn About ACS Membership:** Discover the benefits of becoming an ACS student member.

There is no fee for the museum visit. Lunch is pay-as-you-go.

Contact Information and how to RSVP:

If you, your school, or your students are interested, please email Prof. Michael Castaldi at castaldimj@gmail.com to RSVP.



ACS Local Section
Philadelphia

763rd ACS Philadelphia Section Board of Directors Meeting

October 10, 2024
Via Teleconference

CODE OF CONDUCT

As members of the Philadelphia Section of the ACS, we shall abide by the Chemists' Code of Conduct which states in part that "Chemical professionals should seek to advance chemical science while striving for the highest standards of scientific integrity. Chemical professionals should treat others with respect and will not engage in discrimination, harassment, bullying, dishonesty, fraud, misrepresentation, coercive manipulation, censorship, or other misconduct. Such actions apply to all professional, research, and learning environments."

AGENDA

(Meeting will convene at **7:00 PM** and end promptly at 8:00 PM.)

- I. Roll Call
- II. Approval of Meeting Minutes
- III. Officers' Reports:
 - a. Chair – Matt Irwin
 - b. Immediate Past Chair – Graham Dobereiner
 - c. Chair-Elect – Wei Gao
 - d. Secretary – Andrew Devany
 - e. Treasurer – Wei Wang
 - f. Chair of Council Affairs – Anne DeMasi
- IV. Committee Reports
 - a. Budget & Finance – Vic Tortorelli
 - b. Career Services – Jim Murray
- V. Other Business

For those participating by teleconference: All Officers and Directors should have received a Google Calendar invitation with a Zoom Link. For those who have not received this information as well as for your convenience, please use the following information to access the teleconference:

By Internet: register by following this link:

<https://american-chemical-society.zoom.com/j/86436282837?pwd=STlwTy9paENWSlMyd2ZXQk4wSlUVidz09>

Zoom Meeting ID: 864 3628 2837

Password: 568816

By Phone:

Phone Number: +1 646 558 8656 or +1 301 715 8592

Access Code: 864 3628 2837

Password: 568816

Matthew Irwin
Chair
mtirwin.acs@gmail.com

Andrew Devany
Secretary
andrewpdevany@gmail.com

Section Office
PhilaACS@gmail.com

Cc: Officers & Directors
Councilors & Alternate Councilors
Committee & Group Chairs

American Chemical Society – Philadelphia Section
231 South 34th Street, Office – 5th Floor, Philadelphia, PA 19104-6323
phillyacs.org

We invite you to join us for a reception and seminar
celebrating Dr. Levy's ACS award

Reception: SERC Mezzanine 6:00pm

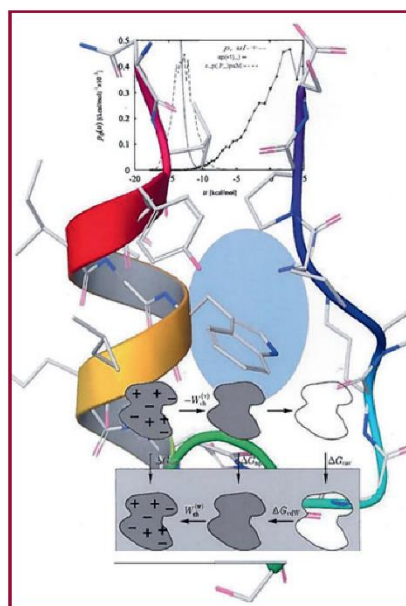
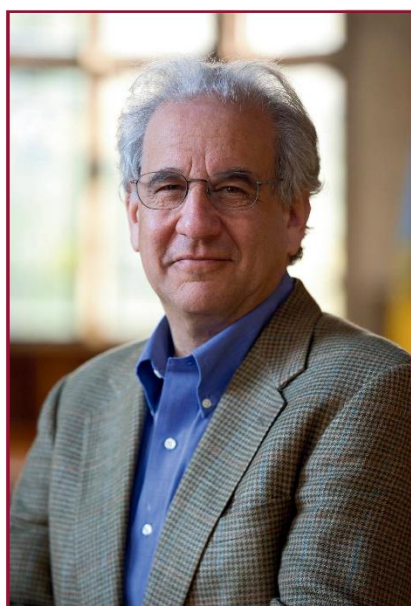
Seminar: SERC 116 7:00pm



ACS PHILADELPHIA SECTION AWARD

Presented to

Dr. Ronald M. Levy



The Joy of Science
October 30, 2024

2024 Ullyot Lecture and Award: Omar Yaghi

Thursday, November 14, 2024 | 6 PM to 8 PM

Science History Institute

315 Chestnut Street, Philadelphia, PA 19106

Join us for an inspiring lecture by Omar Yaghi, a pioneer in reticular chemistry and the James and Neeltje Tretter Chair Professor of Chemistry at the University of California, Berkeley. Dr. Yaghi's groundbreaking work in the field of metal-organic frameworks (MOFs), covalent organic frameworks (COFs), and zeolitic imidazolate frameworks (ZIFs) is paving the way for innovative solutions in carbon capture, water harvesting, and energy transformation.

Prof. Yaghi will highlight how 30 years of establishing the basic science of reticular materials has led to advancements in carbon capture from air and flue gas, and harvesting water from air to produce drinking water in various parts of the world. He will discuss efforts in taking this technology from the laboratory to the field, including the design and engineering of prototypes. These advancements are crucial in addressing clean air, clean energy, and clean water challenges, which are essential for building a sustainable future.

Key details:

- 6:00 PM – 7:00 PM | Lecture
- 7:00 PM – 8:00 PM | Reception
- Admission is free, but space is limited
 - Please reserve a ticket online: <http://bit.ly/3ZSVhWt>

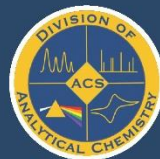
About the Ullyot Lecture:

Endowed in 1990 by chemist Glenn Edgar Ullyot, this lecture highlights the positive impact of chemical sciences and is presented with partners at the University of Pennsylvania, St. Joseph's University, and the Philadelphia and Delaware local ACS sections.

Scan to RSVP:



Pittcon® +
Conference and Exposition



*are proud partners providing
premier programming for Pittcon 2025.*

Featured ACS Symposium:

Electrochemistry, Mass Spectrometry, Separations, and Spectroscopy

Organizer: Si Wu, Ph.D., University of Alabama

Featured speakers:



Erin Baker, Ph.D.
University of North
Carolina - Chapel Hill



Liangliang Sun, Ph.D.
Michigan State University



Jessica Rouge, Ph.D.
University of Connecticut



Shanlin Pan, Ph.D.
University of
Alabama

Featured ACS Award Symposium:

*ACS-Analytical Division Investigator in Separation Science Award
(formerly The Satinder Ahuja Award for Young Investigators in Separation Science Award)*

Honoring:



Xiao Su, Ph.D.
University of Illinois,
Urbana-Champaign

Be a part of the Pittcon Program, submit your abstract:
pittcon.org/conference/technical-program/#submit-poster



Register for Pittcon Today | Boston, Massachusetts, USA | March 1-5, 2025 | pittcon.org/register

Philadelphia Section Women Chemists Committee

The Philadelphia Section Women Chemists Committee (WCC) is seeking a highly motivated chemist or pair of chemists to serve as its chair(s). The main activities of the WCC have been the semi-annual Philadelphia Area Girls Enjoying Science (PAGES™) programs, which have had only one session since the pandemic. The chair will work with PAGES™'s point of contact, Gwenny Go, to rebuild the program. We anticipate making a comeback in Fall 2025. Other activities to engage local WCC members are most welcome. For those who are interested, please contact Kathy Shaginaw at katshaginaw@gmail.com or Gwenny Go at gwenny.go@gmail.com.

OPPORTUNITIES TO VOLUNTEER

Younger Chemists Committee Program and Event Planning Volunteers: The Younger Chemists Committee (YCC) is a committee of the Philadelphia Local Section focusing on the needs of undergraduate, graduate, post doc, and early career chemists under 35 years old. The committee is looking for volunteers to help with program planning this year! This is an excellent opportunity for students and early career chemists to assume leadership roles and network with likeminded scientists within the ACS community. The estimated time commitment would be less than 1 hour per week.

All interested individuals can reach out to Isaac Choi at:

yongsuk.isaac@temple.edu

DIRECTORY OF SERVICES

micron inc.
Analytical Service Laboratory

<https://micronanalytical.com>

SEM EDS FTIR DSC TGA ESCA +



Robertson Microlit
LABORATORIES

Where speed and accuracy are elemental

Elemental CHN, S, X analysis

Metals by ICP-OES, ICP-MS, USP<233>

FTIR, UV/VIS spectroscopy, Optical Rotation

GC-MS/FID, Residual Solvents, Headspace

Ion Chromatography

KF Aquametry, Titrimetry

DSC, TGA, melting point

HPLC

1705 US Highway 46 • Suite 1D • Ledgewood, NJ 07852 • 973.966.6668 • F 973.966.0136

www.robertson-microlit.com • results@robertson-microlit.com

Rapid Results • Quality • Accuracy • Competitive Pricing

SURPRISE

our editor by calling and saying you appreciate the quality and content of our newsletter. Our editor works hard to maintain a publication of interest to our membership. Oh, and by the way you could also give credit to our advertisers who financially support us.

CAREER DEVELOPMENT

Being a part of one of our teams can help you develop organizational and meeting skills as well as help you to network with people from the largest area companies. Public Relations, such as sending out meeting notices and press releases, can help you to develop a network and help you get noticed!

All committees are looking for new members and several are looking for "take charge" chairs. Some, like the Teller's Committee, involve minimal work—one night per year and pizza provided. Others, like positions on Communications or Social Committees, involve one or two hours per month.

Committee details can be found at:

www.membership.acs.org/p/philadelphia

or by calling the Philadelphia Section Office (215) 382-1589.

PROMOTE YOUR PRODUCTS AND SERVICES • ADVERTISE IN THE CATALYST

The Catalyst readership is greater Philadelphia's largest source for chemical and biochemical buyers. The Catalyst reaches more than 5,400 readers each month. It has been estimated that these buyers annually purchase more than \$150,000,000 of:

- EQUIPMENT
- SUPPLIES
- CONSULTING SERVICES

Placing an advertisement in The Catalyst is the lowest cost method of reaching this select audience.

For further information and other options for promoting your company's products and services visit:
vtortorelli@ursinus.edu

ADVERTISING INDEX

ACS	113
Pittcon	111
Micron Analytical Services	113
Robertson Microlit Labs	113

Advertising: vtortorelli@ursinus.edu