

THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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Chair Column

Erin Vogel, Chair, Midland Section ACS

This month, I am thrilled to introduce you to one of our newest committee chairs, Ashlin Sathyan. Ashlin is a R&D Senior Scientist at DuPont Healthcare Solutions and co-chair of the Midland Section ACS Women Chemists Committee (WCC). I will let Ashlin take it from here.



Ashlin Sathyan

I was born and brought up in Kerala, India, the southernmost state of India, known for its beautiful water bodies and coconut trees. I spent my entire childhood in Kerala and after high school moved to Kolkata (known for its cultural richness) to pursue an integrated Bachelor of Science and Master of Science in Chemistry from the Indian Institute of Science Education and Research (IISER). At IISER, I was introduced to the world of polymers. As part of the curriculum, I completed my master's thesis under the guidance of Prof. Raja Shanmugam, who became my mentor and provided invaluable guidance during my initial days in polymer research. I fondly remember my lab days, trying to synthesize new polymers and eagerly awaiting that specific NMR (Nuclear Magnetic Resonance) signal to confirm success. It was during this time that I realized my passion for research and the excitement of developing new ideas in the lab.

Deciding to pursue a PhD was one of the easiest decisions for me. I applied to multiple top polymer programs in the US and was soon accepted into a graduate program at the University of Massachusetts Amherst. Looking back, I appreciate the courage I had to move away from my family and friends to pursue my PhD. The initial days were tough, but I soon made Amherst my new home. I met wonderful friends who became like family and helped me thrive during my graduate school days. At UMass Amherst, I worked with Prof. Todd Emrick and explored the fascinating world of polyelectrolytes. UMass provided opportunities for collaboration between multiple departments, opening my eyes to the importance of successful collaborations and encouraging me to solve everyday problems using polymers. During my PhD program, I was able to keep my passion for research alive, which was a key reason why I accepted an offer from DuPont as a research scientist.

At DuPont, particularly in the healthcare silicones business, I am part of something bigger. I use my skills in polymer science to solve everyday challenges, developing innovative solutions that impact patient care and improve quality of life. My work involves collaborating with cross-functional teams to design and implement new polymer formulations, ensuring they meet stringent regulatory standards and deliver exceptional performance. Over the past three years at DuPont, I have had the opportunity to be part of several critical projects which not only allowed me to apply my technical expertise but also honed my project management and leadership skills. Working at DuPont has also provided me with continuous learning opportunities. At DuPont, I am also involved in several sustainability initiatives aimed at reducing our environmental footprint. I take pride in contributing to projects that not only advance healthcare but also prioritize the well-being of our planet.

I am also deeply passionate about outreach and actively participate in initiatives that promote science education and community engagement. As a member of the ACS Polymeric Materials: Science and Engineering Division (PMSE) award committee, I help recognize outstanding contributions in the field of polymer science, which motivates and inspires the scientific community. I am also an active member of the Midland Section ACS Women Chemists Committee (WCC) where I collaborate with brilliant scientists to champion and elevate the role of women in our local scientific community. In addition, I mentor junior scientists, fostering a collaborative and innovative research environment. I believe that sharing knowledge and supporting the next generation of researchers is crucial for the advancement of science and technology. This year, I also gave a talk at the University of Florida POLY/PMSE Chapter to graduate students who were interested in pursuing an industrial career.

When I'm not working, I love exploring new places and making memories with loved ones. I love adventures and have already crossed skydiving off my bucket list twice. Reflecting on my journey from Kerala to the vibrant city of Kolkata, the academic rigor of Amherst, and now the welcoming community of Midland, I am grateful for the experiences that have shaped me. Midland has become my cherished home where I live with my wonderful husband Vishnu. The unwavering love and encouragement from my family and friends have been the bedrock of my career and personal life, inspiring me to strive for excellence and embrace new challenges.



“Become a Bug Detective” Program, July 16

Gina Malczewski, Director and Outreach Committee, Midland Section ACS



**BECOME A
BUG
DETECTIVE!**

**Special FREE
“Tuesday Tour”
July 16, 2024
10 am - 2 pm
103 Rowe Hall**

**Museum of Cultural and
Natural History
Bellows St, CMU Campus,
Mount Pleasant, MI**

Join
MIDLAND ACS
at this **FREE** event:

- Make a firefly
- How a firefly makes light
- Make/test dye from bugs
- Bug dye art
- LIVE bugs!



FREE SUMMER PROGRAMMING CMU MUSEUM TOUR TUESDAYS

10am to
Noon

July 9 - Feathered Friends - Get an up-close look at bird specimens from the museum Zoology collection and learn how different traits help birds survive in a variety of environments. Great for families!

July 16 - Bug Detectives - Discover the amazing lives of bugs, their habitats, and unique characteristics in this engaging, hands-on learning adventure. Perfect for curious minds! Midland Section of the American Chemical Society to offer several STEAM activities!



July 23 - Fossil Finders - Explore the mysteries of prehistoric life and learn about the creatures that once roamed our planet. Visitors will get to make their own fossil imprints to take home!

July 30 - Great Lakes Critters - Visit our newly remodeled hands-on gallery to learn about the wildlife found within Michigan habitats and the vital role they play in the ecosystem.

Programs to take place at the CMU Museum in Rowe Hall Lobby
(650 E. Bellows St.)



FREE

Follow us
for updates!



**MUSEUM OF CULTURAL
& NATURAL HISTORY**
CENTRAL MICHIGAN UNIVERSITY

Location: CMU Museum, 650 East Bellows Street, Rowe 124, Mount Pleasant
Contact: Rebecca Petrone at galla1ra@cmich.edu or 989-774-3176

Beauty and Healthcare Lunch and Learn Seminar, July 23

Krishnaja Duvvuri, Chair-Elect and Program Committee, Midland Section ACS

Please join us for an upcoming Midland Section ACS Lunch and Learn Seminar on Tuesday, July 23, 2024. Three speakers will be presenting on two different topics as outlined below.

Lunch will be provided by the Midland Section ACS, but you must RSVP ahead of time using the convenient online registration process by clicking on [July 23 Lunch and Learn Seminar](#).

Schedule:

11:30 AM to 12:00 PM – Lunch and Networking

12:00 to 1:00 PM – Two-Topic Seminar (see below for details)

Physical Location:

Mi Element Grains and Grounds, 3124 Jefferson Avenue, Midland

Microsoft Teams Option:

[Join the meeting now](#). Meeting ID: 296 221 055 004 Passcode: NRNXZz

For any questions, please contact Krishnaja Duvvuri at kduvvuri@dow.com.

Topic 1: The Story of Shampoo: From Chemistry to Beauty

Presenters: Eve Suthiwangcharoen and Evan Waddell

Abstract: Today's cosmetic chemists must navigate the complex intersection of biochemistry, material science, performance testing, consumer perception, and regulatory requirements to design a successful beauty product. In this discussion, we will primarily focus on the first three elements as they pertain to the story of one of humanity's most used cleansing products – shampoo. We will briefly review hair science, describe the chemistry of a few common functional ingredients used in hair products, and provide an overview of methodology commonly used to substantiate formulation-level claims for hair products, such as shine and frizz control.



Eve Suthiwangcharoen is currently an R&D Leader in the Personal Care R&D team at Dow. She joined Dow in 2014 as a product development chemist. Eve has played a major role in helping develop the hair care portfolio over the last five years. She led the project team to launch several critical products such as Hydroxy SHIELD™ (C&T Alle Awards Finalists), UCARE™ Extreme Polymer (Big Innovation Awards), and DOWSIL™ 979 Emulsion (ACS Team Innovation Award). Eve is a (co)author on 18 external publications, >40 internal reports, >20 patent applications, and 7 granted patents. She earned her PhD in Chemistry from the University of South Carolina, followed by a postdoctoral researcher appointment at the US Army NSRDEC. In her spare time, she enjoys eating, traveling, and spending time with her family.



Evan Waddell is a Technical Service Scientist in Dow's Personal Care team supporting a variety of beauty brands and contract manufacturers in North America. He is passionate about teaching and helping customers to develop formulations in skin care, color cosmetics, hair care, and skin care. Half of his 14 years at Dow Corning/Dow have been spent supporting personal care applications, while the remainder was spent in a variety of projects supporting electronics and lighting, building safety, anticounterfeiting, and industrial foam control. He earned his Bachelor of Science in Chemical Engineering from the South Dakota School of Mines and Technology, and currently serves on the School's faculty where he teaches an introductory silicones elective each spring.

In his spare time, he enjoys reading, writing poetry, and gaming.

Topic 2: Slip, Stick or Shape: The Versatility of Silicones in Healthcare

Presenter: Leanna Foster

Abstract: Silicones have penetrated so many aspects of our lives, including our health. From lubricating silicone fluids, adhesive silicone gels, and moldable silicone elastomers for parts and tubing, silicone has become a pivotal material in the healthcare industry since the 1940s. Benefiting from the unique molecular structure of polydimethylsiloxane (PDMS), silicones can display a multitude of physical forms and physiochemical properties, in addition to its balance of biodurability and biocompatibility. In this lunch and learn presentation, we'll discuss how the unique and varied properties of silicone have been leveraged into the life-saving and life-changing innovations we enjoy today.



Leanna Foster is an R&D Research Investigator in DuPont's Healthcare team located in Midland, Michigan. Prior to this, she spent 4 years as a Technical Service & Development specialist in the Healthcare team. She received her bachelor's in chemistry from Christopher Newport University in 2012, a masters in Material Science & Engineering from the University of Virginia in 2014, and her doctorate in Macromolecular Science & Engineering from the University of Michigan in 2019. She was the recipient of an NSF graduate research fellowship, and as a graduate student her work focused on linking corrosion behavior to antimicrobial activity in copper alloys, development of antimicrobial peptide mimetic polymers for alternative antibiotics, and exploration of

charged polymers for augmenting biofilm formation behavior. Upon joining DuPont, she has continued to investigate polymers for biological applications, specifically in silicone elastomers for the healthcare field. She is also involved in recruiting new talent to DuPont and continues to take on an active mentor role for early career scientists/engineers. Outside of work, Leanna enjoys spending time in the outdoors with her family, from exploring a new playground in Midland to adding a new stamp to her National Park passport.



Midland ACS local section - Lunch & Learn




Eve Suthiwangcharoen




Evan Waddell




Leanna Foster

***The Story of Shampoo:
From Chemistry to Beauty
&
Slip, Stick or Shape:
The Versatility of Silicones in Healthcare***

**Tuesday July 23rd – MI Elements Grains & Grounds
Lunch 11.30 am onwards ([RSVP here](#))
Seminar: 12 pm-1 pm**



Look for the ACS Booth at River Days, Saturday, August 3

Gina Malczewski, Director and Outreach Committee, Midland Section ACS

If it's the first weekend in August, it's time for the Midland Area River Days Festival! The Midland Section ACS Outreach Committee will once again have a booth in the Kids Zone at River Days. Our volunteer time block has been shortened by one hour this year. We will be doing "Bubble-ology" from 10:00 AM to 3:00 PM on Saturday, August 3, 2024.

Come join our adventure in all things related to gases surrounded by films – Bubbles. We will do bubble art, there will be giveaways, and everything is free! If you have any questions or to volunteer to help at the ACS booth, please contact Gina Malczewski at reginamalczewski@gmail.com.

Wenyi Huang Recognized as Fellow of the Society of Plastics Engineers

Steve Keinath, Co-Editor, *The Midland Chemist*

Editor's note: The material contained in this article is reprinted, in part, from two sources: (1) the Society of Plastics Engineers website, <https://www.4spe.org/i4a/pages/index.cfm?pageID=8712>, accessed on July 11, 2024, and (2) the October 2022 issue of the *Midland Chemist* (Vol. 59, No. 10, specifically, p. 10), <https://midlandacs.org/download/the-midland-chemist-october-2022/>.



Dr. Wenyi Huang

DR. WENYI HUANG, PRINCIPAL RESEARCH SCIENTIST, DUPONT

Nominated by the SPE Thermoplastic Materials & Foams Division

In early January, the Society of Plastics Engineers (SPE) announced the 2024 recipients of its Fellow of the Society Award. The Fellow of the SPE Society program was established in 1984 and 365 SPE members have been awarded with the Fellow title since its inception.

The Fellow of the Society program honors SPE members for their outstanding contributions in the field of plastics engineering, science/technology, or in the management of such activities. Candidates must be sponsored by an SPE Section, Technical Division, or Interest Group and elected by the Fellows Election Committee based on their professional record as well as written sponsorships from at least two SPE members.

Wenyi Huang, currently employed as a Principal Research Scientist at DuPont, holds a Ph.D. in Polymer Engineering from The University of Akron. His expertise includes reactive extrusion and specialty compounding, breathable membranes, die design, microcapillary technology, functional materials, and nanotechnology. As an accomplished author, he has contributed to 56 external publications including 11 book chapters and an edited book, *Nanopapers: From Nanochemistry and Nanomanufacturing to Advanced Applications*, and over 40 US patents along with >100 patent publications in other countries. He also serves as an Advisory Board Member for Cambridge Scholars Publishing and reviews for 21 peer-reviewed journals.

Wenyi is a Certified Six Sigma Black Belt, and presently serves as the Technical Program Chair of the SPE Extrusion Division and the Polyolefins Session Chair of the Thermoplastic Materials and Foams (TPM&F) Division of the SPE.

He received his Ph.D. degree from the Department of Polymer Engineering at The University of Akron and completed his postdoctoral research at The Ohio State University before joining Dow in 2012. In 2018, Wenyi made the transition from Dow Materials Science & Engineering Core R&D to the Dupont Performance Building Solutions Business due to the DowDuPont merger/split.

In addition to his activity with the Society of Plastics Engineers, Wenyi is also active in Midland Section ACS and DuPont (and former Dow) organizational leadership roles. He joined the American Chemical Society in 2007 while at the University of Akron and since moving to Midland, he has served in the following Midland Section ACS leadership roles – Director (2020-current), Past Chair (2019), Chair (2018), Chair-Elect (2017), Nominations & Elections Chair (2016), and Secretary (2015).

Wenyi is the founder and Chair of the DuPont Polymer Processing Community of Practice. He has also been leading as the co-founder and treasurer of DuPont's Michigan Technical Community (MTC) and the DuPont

Asian Group (DPAG), ACS @DuPont, the Chair for the Dow Young Researcher's Community (YRC) in 2017, and the President for Dow Materials Science & Engineering New Researchers' Organization in 2016.

Congratulations, Wenyi. Well done and very well-deserved!



Call for Abstracts for CERM 2024

Kevin Noonan and Kimberly Woznack, CERM 2024 Technical Program, Pittsburgh Section ACS

Editor's note: The information contained in this article is reprinted, in part, from material provided in an email message posted to all ACS members, dated June 26, 2024.



Central Regional Meeting

The Confluence of Chemistry: Past, Present, & Future
November 6–9, 2024 | Pittsburgh, PA

The Pittsburgh Section of the ACS is proud to host the [54th Annual Central Regional Meeting \(CERM\)](#). This year's theme focuses on the "**Confluence of Chemistry: Past, Present, & Future**" and will highlight the chemist of the past, present-day discoveries, and the outlook of chemistry in the future.

Submit your abstract for symposia and poster sessions to help us honor and celebrate the history and future of chemistry with our regional chemistry community in Pittsburgh and beyond.

Visit the [website](#) to find a list of the programming divisions and planned symposia open for submissions. **The deadline to submit an abstract is Sunday, August 11.**

20th Annual MSU ChEMS Department Research Forum, August 23 ***MSU ChEMS Department, East Lansing***

The Department of Chemical Engineering and Materials Science (ChEMS) at Michigan State University invites you to join us at the 20th annual ChEMS Department Research Forum on Friday, August 23, 2024. The forum is a full-day event, running from 8:30 AM to 5:30 PM, and will be held at the Spartan Stadium Tower, 325 West Shaw Lane, East Lansing, on the campus of MSU.

The 20th annual ChEMS Research Forum will showcase department research advances in the areas of:

- Energy and Sustainability
- Nanotechnology and Materials
- Biotechnology and Biomedical Engineering

The one-day program will feature invited plenary speakers, oral presentations from faculty and students, and an extended poster session describing the latest department research results. While the oral presentations of the program can be joined remotely via Zoom, all poster presentations are in-person only.

If you or your company shares an interest in chemical engineering and materials science, then this event offers a uniquely personal and informal view into the general research directions of the ChEMS department, its current research projects, and, most importantly, an opportunity to get to know the many talented graduate students that are at the heart of it all. Parking next to the Spartan Stadium is free and we hope to welcome you to MSU on August 23!

Keynote Speakers:



- **Stephen LeBeau** – nanoMAG LLC, Livonia, MI
- **Michael Hickner** – Chemical Engineering & Materials Science, Michigan State University
- **Jodie Lutkenhaus** – Chemical Engineering, Texas A&M University
- **Chengcheng Fang** – Chemical Engineering & Materials Science, Michigan State University

The full agenda for this forum will be available later this summer. Please watch for updates at [2024 ChEMS Research Forum](#).

Pre-registration for the forum is requested. Please register for the event at [2024 ChEMS Research Forum](#). For more information, call the MSU ChEMS Department at 517-355-5135, or send an inquiry by email to chems@egr.msu.edu.

Water Quality Weekend Adventure, September 13-15
Dale LeCaptain, Councilor and H2O Q Outreach Committee, Midland Section ACS



Water Quality Weekend Adventure **Beaver Island, Michigan**

September 13 – 15, 2024

The ACS Midland Local Section H2O Q Outreach Committee invites YOU to explore freshwater chemistry testing and the H2O Q volunteer experience!

- **Learn about ACS classroom volunteer opportunities!**
- **Network with ACS colleagues**
- **Enjoy the natural freshwater beauty of Beaver Island**

Click on [ACS H2O Q Volunteer Training Adventure Registration \(google.com\)](#) for more details and to complete the online registration process!

ACS H2O Q Volunteer Training Adventure Registration
Dale LeCaptain, Councilor and H2O Q Outreach Committee, Midland Section ACS

Sign Up to Volunteer for the ACS H2O Q Beaver Island Adventure

Dates: September 13-15, 2024

Location: Central Michigan University Biological Station - Beaver Island

Contact us: (989) 774-3982 or esch1pa@cmich.edu

H2O Q is a regional outreach experience for sharing environmental water chemistry with teachers, students, and everyone wanting to study the chemistry of water quality. Several middle and high schools throughout Michigan utilize the material to help students learn about their local environment and contribute to data collection.

The ACS H2O Q Volunteer Training is part learning about water quality and part adventure. Sponsored by the Midland Section of the ACS, it's a 3-day, 2-night excursion to the Central Michigan University Biological Station (CMUBS) at Beaver Island. Participating in the adventure is a great way to learn about the program and get Fired Up about volunteering for H2O Q classroom experiences during the school year.

Schedule for the ACS H2O Q Volunteer Training Adventure

Friday, September 13 – Travel to Charlevoix, ferry or fly to Beaver Island. Programming starts with dinner at 5:30 PM at CMUBS. After settling into the sleeping quarters, there will be meet and greet and orientation that evening.

Saturday, September 14 – Breakfast at 8:00 AM, quick science explanation of H2O Q and first adventure to the south of Beaver Island. There will be a picnic lunch at one of the beaches. The adventure continues after lunch with an excursion to St. James and the northern portion of the island. The evening wraps up with pizza back at CMUBS and an evening social.

Sunday, September 15 – Breakfast once again, an opportunity to learn about schools doing H2O Q, and planning for your next steps to engage with the program. Pack up and head home via ferry (11:20 AM) or flight (TBD).

NOTE: This adventure is open to ACS members and their immediate family. We ask that all family members who are eligible to be ACS members to please register separately. Non-qualifying significant others and children are welcome to attend but will be billed as individuals under the registering ACS member.

Click on [ACS H2O Q Volunteer Training Adventure Registration \(google.com\)](https://www.google.com) for more details and to complete the online registration process!

ACS Fall 2024 Meeting and Exposition, August 18-22

Steve Keinath, Co-Editor, The Midland Chemist

Editor's note: The information contained in this article is reprinted, in part, from material provided in email messages posted to all ACS members, dated March 5, 2024, and May 16, 2024.



ACS Meetings & Expositions bring together chemistry professionals, educators, and students worldwide to discover and share research, network, and advance careers. These meetings are an excellent opportunity for professionals and students to showcase their work and connect with colleagues in all areas of chemistry.

Register and join us from August 18 - 22 for ACS Fall 2024! We'll be in-person in **Denver, CO** at the **Colorado Convention Center** or virtually across the globe. The meeting theme, **Elevating Chemistry**, will be at the core of programming for the hybrid event. The **Schedule Overview** is available for you to explore the overall meeting schedule.

Join Us Virtually – Global Virtual Symposia is a programming opportunity for presenters and attendees to participate in ACS Fall 2024 virtually at the convenience of their own time zone. While in-person participants and general programming will be set to local time in Denver, CO, select symposia will be set to daytime hours in Asia, Africa, Europe, the Middle East, and Latin America. Global Reach, Local Time! Click here to **Learn More**.



“Wood Works!” Camp Had Something for Everyone

Gina Malczewski, Director and Outreach Committee, Midland Section ACS

Despite some challenges with registration, the Free ACS/MSU Middle School STEAM Camp with the theme “Wood Works!” kicked off on Monday, June 17, with 15 students. Campers made paper and tested different kinds for optical brightness, sizing, and even some that dissolved in water! They learned all about maple syrup, from tapping trees (they tried it with maple logs), to collecting sap (everyone tasted the typical 2% sugar content material collected), and purification/concentration (including viscosity testing). Campers also tested candy made from maple syrup and received about 3 oz of syrup to take home with them. We thank Doug Loose (who sells his syrup at the Midland Area Farmers Market) for a wonderful presentation.

Wood-based art of various kinds was made, including three-dimensional works built on wooden bases using pieces of wood, toothpicks, craft sticks, and cork (the outer bark of cork oak trees). Students also tried quilling art (using paper) and made jewelry from various wooden shapes, including beads. Wood grain, color, and knots were all discussed relative to wood composition and chemistry.

Campers were taught about 3-D printing. They wrote code and designed pieces that were printed with plastic composites containing 30% wood (five types were available to choose from). Some campers made Christmas tree ornaments. We also cooked up some “hot ice cream” from a base containing methylcellulose (a wood product) that thickens in boiling water – yum!

Elly Maxwell of Dow Gardens presented on the topic of insects that eat wood or make nests from it. Elly also led students on a “forest tour” of the Gardens, pointing out different types of trees (native and non-native) and how to recognize them. Campers enjoyed the Dow Gardens Canopy Walk as well. Arborist Brian Siler and his crew also “rigged up” the students so they could use ropes to climb a tall sycamore tree in the Gardens, four at a time. Nearly all “got off the ground” and many achieved the selected destination high in the branches.

We also had speakers from the Forestry Department at MSU in East Lansing. Jarred Saralecos showed campers how to read tree history through their rings and make measurements with pieces from trees of various origins. Maureen Afaglo showed examples of useful foams made from lignin (an important component of wood, typically burned as waste) and explained the process.

Mary Adams (Midland Community Orchestra) and Domingo Vasquez (performer and music teacher from Saginaw) joined us for a session on “Musical Wood.” After discussions on the types of wood used for instruments and bows, how instruments are made, and how wood characteristics affect sound, Mary played her 300-year-old cello and offered violins and a half-sized cello for the students to try. Mary and Domingo (on his traditional guitar) played several sing-along tunes.

We ended on Friday, June 21, with groups making different origami paper airplanes and testing their flight distance performance as well as the impact of modifications on flight distance (considering the forces of lift, thrust, drag, and gravity). Documented daily feedback from the camp participants was very positive.

Besides our speakers, I am also grateful for the assistance of Dave Stickles, Cassie Hale, and Hunter Woodward (and Dee Howe of MSU). We were given 100 white pine seedlings by the Midland Conservation District for students to take home (with planting and care instructions), and we also benefited from wood donated by McIntyre Cabinets and MidlandMooseWorks.



A camper takes measurements on a tree section as part of a session on dendrochronology. (Photo by Gina Malczewski)



Campers start their tree climb at Dow Gardens. (Photo by Gina Malczewski)



Christmas tree ornament made by 3-D printing. (Photo by Dave Stickles)



Tapping a maple "tree." (Photo by Gina Malczewski)



Domingo Vasquez and Mary Adams demonstrate "Musical Wood." (Photo by Mary Adams)

Happy 100th Birthday to Accomplished ACS Member Dr. David C. Young

Gina Malczewski, Director and Co-Historian, Midland Section ACS

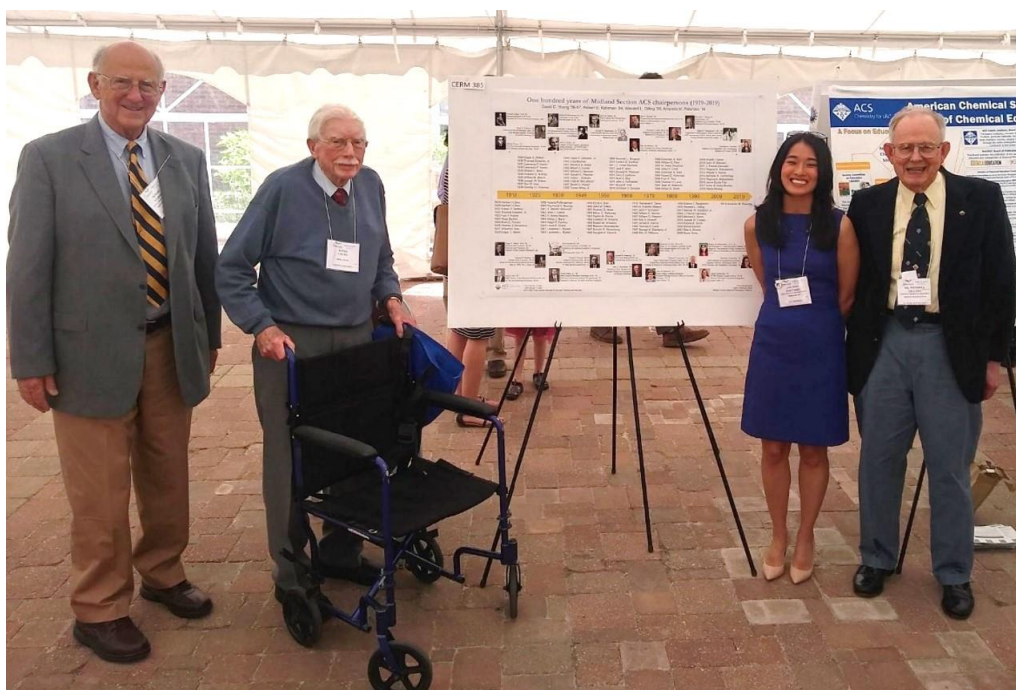
On June 18, Dr. David C. Young celebrated a major milestone in a life filled with many. According to former Midland Section ACS Historian Wendell Dilling, David was “probably the most active Midland Section ACS member in the 1950 to 1990 time period.” As his commendation letter from National ACS President Mary Carroll (see page 16) indicates, he held every local section office except Director, including Councilor from 1960 to 1962 and 1968 to 1983. Dr. Young was ACS District II Director for five years and served as a member or leader of eight committees at the National level (some multiple times) between 1962 and 1990. These included Public Affairs and Public Relations, Budget and Finance, Constitution and Bylaws, and Audit and Risk Management.

Dr. Young worked at The Dow Chemical Company in the lab of E.C. Britton (National ACS President and Perkin Medal winner) and also has a wonderful family, including sons Tom of Lake Jackson, TX, and Bruce of Oakland, CA, as well as daughter Pat of Midland. David and his wife Laura (now 97) are both lovers of nature. David helped found the Midland Nature Club, the forerunner of the Chippewa Nature Center, on whose Board he served for three years. He was also on the Board of the state Audubon Club. He and Laura traveled in their motor home to Tawas Point annually to watch the spring bird migration until well into their 90s. In addition, for over 30 years, David was a volunteer for the AARP Tax Aide program.

Dr. Young has been an ACS member since 1948 (now in his 76th year of membership) and he still keeps up with reading *C&EN*. He received the Midland Section ACS Outstanding Achievement and Promotion of the Chemical Sciences Award in 1978, the Midland Section ACS Outstanding Service to the ACS Award in 1989, and a Midland Section ACS Special Recognition Award in 2019. We in the Midland Local Section are truly fortunate to have been the beneficiary of Dr. Young’s many accomplishments, both locally and nationally, and we wish him every happiness as he and his family celebrate this special occasion!



Commendation letter sent to Dr. David C. Young by current National ACS President Mary Carroll and ACS Board of Directors Chair Wayne Jones, Jr. (Photo courtesy of Tom Young)



Midland Section ACS leaders over the years (left to right) Bob Kohrman, David Young, 2019 Midland Section ACS Chair Amanda Palumbo, and Wendell Dilling at the Midland Section-hosted ACS Central Regional Meeting in 2019. (Photo courtesy of Wendell Dilling)

Upcoming Dates, Events, and Other Updates

- July 9, 16, 23, and 30 (10:00 AM – 12:00 PM) – CMU Museum “Tour Tuesdays” free summer programming, Central Michigan University, 124 Rowe Hall, 650 East Bellows Street, Mount Pleasant. Various themed topics week by week. For more information, please see the program promotion flyer on page 4. For any questions, please contact Rebecca Petrone at galla1ra@cmich.edu or 989-774-3176.
- July 16 (10:00 AM – 2:00 PM) – “Become a Bug Detective” program, Central Michigan University, 103 Rowe Hall, 650 East Bellows Street, Mount Pleasant. Special FREE Midland Section ACS event, teaming with the July 2024 CMU Museum “Tour Tuesdays” programming, on this date only. For any questions, please contact Gina Malczewski at reginamalczewski@gmail.com.
- July 23 (11:30 AM – 1:00 PM) – Beauty and Healthcare Lunch and Learn Seminar, Mi Element Grains and Grounds, 3124 Jefferson Avenue, Midland (in person), or via a [Microsoft Teams](#) (virtual connection option), Meeting ID: 296 221 055 004, Passcode: NRNXZz. Lunch will be provided by the Midland Section ACS, but you must RSVP ahead of time by clicking on [July 23 Lunch and Learn Seminar](#). For more information on this special two-topic seminar and the presenters, see pages 5 and 6. For any questions, please contact Krishnaja Duvvuri at kduvvuri@dow.com.
- August 3 (10:00 AM – 3:00 PM) – Midland Section ACS Outreach Committee “Bubble-ology” demo booth activity, part of the Midland Area River Days Festival, Kids Zone area, downtown Midland. For any questions or to volunteer to help at the ACS booth, please contact Gina Malczewski at reginamalczewski@gmail.com.
- August 5 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Creative 360, 5501 Jefferson Avenue, Midland (in person), and via a Microsoft Teams videoconference call connection at [August 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT. **Please note the location change of this Board meeting only from the more usual MSU St. Andrews meeting site.**
- August 11 – **Deadline to submit an abstract for CERM 2024, Pittsburgh, PA, November 6-9, 2024.** Meeting theme: “Confluence of Chemistry: Past, Present, & Future.” For more details and to access the abstract submission portal, please visit [CERM 2024](#).
- August 18-22, 2024 – ACS Fall 2024 National Meeting & Exposition, Denver, CO. This meeting is being planned as an in-person and virtual hybrid meeting. Meeting theme: *Elevating Chemistry*. For more information, please see [ACS Fall 2024 - American Chemical Society](#).
- August 23 (8:30 AM – 5:30 PM) – 20th Annual MSU ChEMS Department Research Forum, Michigan State University, Spartan Stadium Tower, 325 West Shaw Lane, East Lansing. Pre-registration for the forum is requested. Please register for the event at [2024 ChEMS Research Forum](#). For more information, call the MSU ChEMS Department at 517-355-5135, or send an inquiry by email to chems@egr.msu.edu.
- September 9 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [September 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT. **Please note: This Board meeting is being held on the second Monday of September, not the usual first Monday of most months, due to the Labor Day holiday.**
- September 13-15, 2024 – Water Quality Weekend Adventure and ACS H2O Q Volunteer Training, Central Michigan University Biological Station, Beaver Island. First come, first served opportunity for ACS members and their families. For more information, please see the accompanying articles on pages 11 and 12. Please click on [ACS H2O Q Volunteer Training Adventure Registration \(google.com\)](#) for more details and to complete the online registration process. For any questions, please call 989-774-3982 or send an email note to esch1pa@cmich.edu.

- October 7 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [October 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- November 4 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [November 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.
- November 6-9, 2024 – ACS Central Regional Meeting (CERM 2024), Pittsburgh, PA. Meeting theme: “Confluence of Chemistry: Past, Present, & Future.” **The deadline for submitting an abstract is Sunday, August 11.** For more details, please visit [CERM 2024](#).
- December 2 (7:00 – 8:30 PM) – Hybrid Midland Section ACS Board meeting, Rotunda Room, MSU St. Andrews, Midland (in person), and via a Microsoft Teams videoconference call connection at [December 2024 ACS Board Meeting Teams Link](#), Meeting ID: 939 576 147 515 1, Passcode: A52hAT.

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