

# THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

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## Chair Column – My First ACS Meeting

*Robbyn Prange, Chair, Midland Section ACS*



On a warm summer day in 1994, a half dozen Hope College chemistry students and my faculty adviser, Dr. Silver, loaded into a 15-passenger van bound for Ann Arbor. While this van was typically used by Hope's athletics teams, my chemistry classmates and I were making the two-hour trek to attend a joint Central and Great Lakes Regional ACS meeting. It was my first ACS meeting and I remember my eagerness to present my poster on quinone research. Upon arrival, I was blown away by the number of interesting people and research topics and wondered how I could possibly soak it all up while making time for a bit of college shenanigans and fun.

ACS archives for 1994 indicates that a special program was hosted for undergrads to encourage their attendance and participation at that event. It worked; it got me out of my shy self and comfort zone. After my first ACS event, I would go on to attend several other regional and local section conferences during my Hope College and Penn State days at host institutions like Kalamazoo, Western, Case Western Reserve, and Akron.

What was your first ACS meeting?

The regional ACS meetings are historically held on college and university campuses and provide easy exposure to new technology and trends. The no to low-cost travel affords local professionals and undergraduate and graduate students, like me at the time, with easy access to networking and learning. During the global

coronavirus pandemic, ACS meetings and events remained strong, albeit accessed differently than in the days of cramming into passenger vans. Today, attendees can attend and participate virtually from their own location. In the coming months, there will be numerous ACS meetings with options to attend virtually:

- [ACS Fall 2021 National Meeting](#), August 22-26, Atlanta, GA
- [Midland Section ACS Fall Scientific Meeting](#), October 23, Midland, MI
- [ACS Regional Meetings through November:](#)
  - Midwest Regional Meeting (October 20-22, Springfield, MO)
  - Rocky Mountain Regional Meeting (October 21-23, Tucson, AZ)
  - Southwest Regional Meeting (October 31 – November 3, Austin, TX)
  - Southeastern Regional Meeting (November 10-13, Birmingham, AL)

How might virtual options change how you approach your ACS conference attendance in the coming year? Food for thought.

### Fire(Work)'d Up Event

**Gina Malczewski, Outreach Committee, Midland Section ACS**

Editor's note: This event occurred before the publication of the July 2021 issue of *The Midland Chemist*. The information on this event is included here to document its occurrence and to place it in the long-term historical record of *The Midland Chemist* archives.

Presentation on the *Characteristics and Chemistry of Pyrotechnics* by Jim Malek, Certified Pyrotechnician, along with walk-by interactive science activities by Gina Malczewski. Event co-sponsored by the Midland Section ACS and the CMU Museum of Cultural and Natural History. Rowe Hall, Room 124, Central Michigan University. 7:00 PM, walk-by interactive science activities; 8:00 PM, presentation; and then at dusk, live outdoor fireworks demos.



The **Midland Section of the American Chemical Society**  
and CMU Museum of Cultural and Natural History present...

**Thursdays  
July 8, 2021**

**FIRE(WORK)'D UP!**

**FREE!**

The Characteristics and Chemistry of  
**Pyrotechnics**  
With  
**Jim Malek**  
Certified Pyrotechnician  
and  
Dr. Gina Malczewski



**CENTRAL MICHIGAN UNIVERSITY,  
ROWE HALL\* 124**  
**WALK-BY INTERACTIVE SCIENCE  
ACTIVITIES OUTSIDE 7-8 PM**  
**PRESENTATION 8 PM; LIVE OUTDOOR  
DEMOS AT DUSK!**

**Pre-registration REQUIRED** online at <https://forms.office.com/r/tAu1gBA4fw>  
**Maximum: 25 attendees**  
\*Corner of Bellows and East Campus Drive

**Playtime Science and Homespun History – July 15**  
*Gina Malczewski, Outreach Committee, Midland Section ACS*

Free event for the young, and young at heart, co-sponsored by the CMU Museum of Cultural and Natural History and the Midland Section of the American Chemical Society. Come and learn the science behind some of your favorite toys, make your own peg doll, and enjoy play items from the early 1900s.

This event will be held on Thursday, July 15, 12:00 – 2:00 PM, at the Bohannon Schoolhouse & Gerald L. Poor Museum on the campus of Central Michigan University, at the corner of Preston Street and West Campus Drive in Mount Pleasant. For more information, contact Gina Malczewski at [reginamalczewski@gmail.com](mailto:reginamalczewski@gmail.com).

**Etch A Sketch**  
Timeless Toy

For the young and young at heart!

**Playtime Science and Homespun History**  
July 15, 2021 12-2 pm  
At the Bohannon Schoolhouse & Gerald L. Poor Museum  
on the campus of Central Michigan University  
(corner of Preston and W. Campus Dr., Mt. Pleasant)

-Learn the science behind some of your favorite toys  
-Make your own peg doll; enjoy play items from the early 1900s

Presented by  
CMU Museum of Cultural & Natural History  
and the Midland Section of the American Chemical Society

**FREE!**

1986

1817

1825

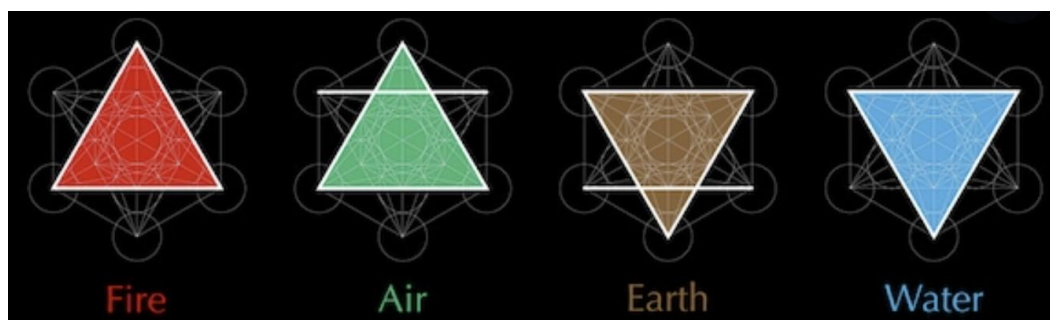
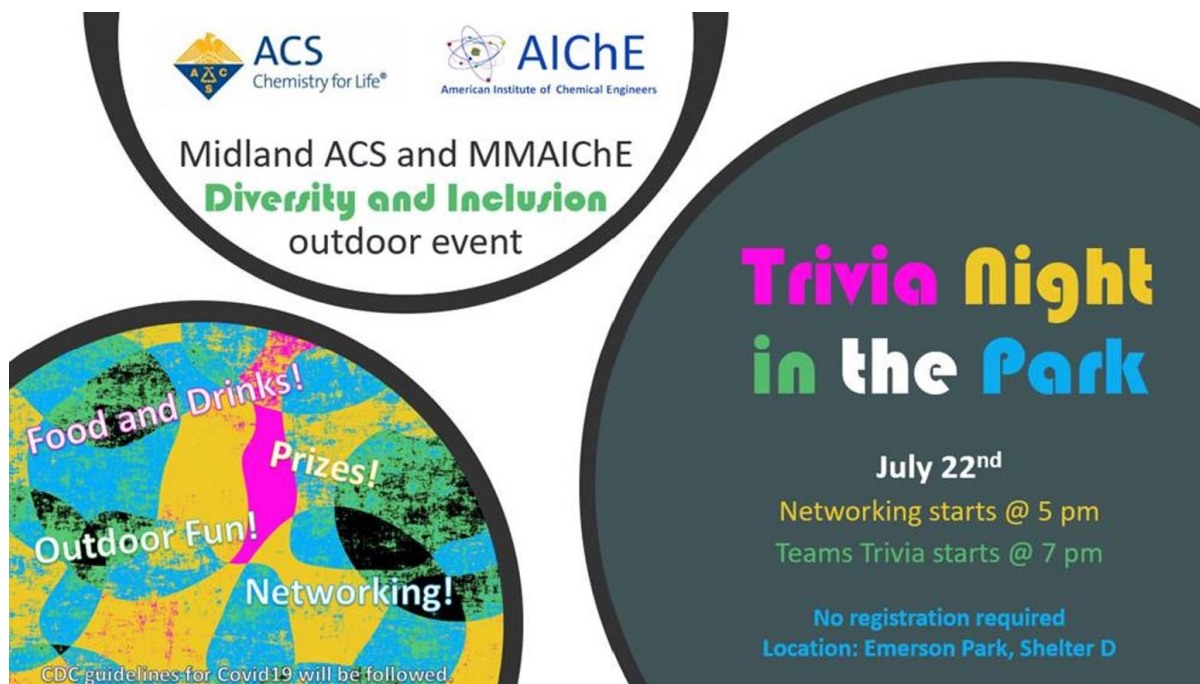




**Joint Midland Section ACS / Mid-Michigan Section AIChE Trivia Night in the Park – July 22**  
**Anne-Catherine Bedard, Diversity and Inclusion Committee Chair, Midland Section ACS**

Please join us for an evening of fun in the park this summer! The Midland Section ACS and Mid-Michigan Section AIChE Diversity & Inclusion Committees are organizing a **Trivia Night in the Park** event. This will occur the evening of Thursday, July 22, and we will be meeting at Emerson Park, Shelter D, in Midland. There will be food, prizes, and networking opportunities! Networking will begin at 5:00 PM, and Teams Trivia will begin at 7:00 PM.

Make a trivia team, bring your friends, and come out and enjoy a summer evening! If you don't have a team, no worries, we will find one for you! No reservations are needed, and the event will happen rain or shine. For more information or any questions, please contact Anne-Catherine Bedard at [ABedard@dow.com](mailto:ABedard@dow.com). Looking forward to seeing you there!



## **Tami Sivy Recognized with 2021 Michigan Distinguished Professor of the Year Award**

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

Editor's note: This article is reprinted, in part, from the June 19-20 (Weekend), 2021 issue of the *Midland Daily News*. Tami Sivy has been active in Midland Section ACS activities, involved in organizing and presenting at many Fall Scientific Meetings and at Midland Section locally hosted ACS Central Regional Meetings. In recent years, she has served the Midland local section in governance roles as an Alternate Councilor (2015-2017) and as a Director (2018-2020), as well as being the mentor for two Project SEED I/II students.



**Tami L. Sivy, Professor and Department Chair, Department of Chemistry, Saginaw Valley State University**

Saginaw Valley State University Professor Tami Sivy has been recognized as one of the state's three recipients of the Michigan Distinguished Professor of the Year Award for 2021. The award recognizes the outstanding contributions and dedication exhibited by the faculty from Michigan's 15 public universities to the education of undergraduate students.

Sivy is a professor of chemistry at Saginaw Valley State University and has been the department chair for the past six years. She earned her Bachelor of Science degree in biochemistry from Calvin College and her Ph.D. in chemistry and biochemistry from the University of Colorado, Boulder. Since joining the SVSU faculty in 2008, Sivy has been at the forefront of cultivating exceptional undergraduate student experiences through research and community partnerships.

Sivy's teaching philosophy is centered around not only honing students' critical thinking skills but in helping them realize their education and knowledge can lead to delight in learning the material. Her philosophy is appreciated and recognized by her students and colleagues. She has won multiple awards during her tenure at SVSU including the Franc A. Landee Award for Teaching Excellence, the most prestigious teaching award available at the university. Sivy also was an exchange professor at Shikoku University in Tokushima, Japan, where she served as an ambassador of SVSU to the community and taught undergraduate courses.

"Dr. Tami Sivy represents the best of teaching, research, and dedication to student success," stated Daniel J. Hurley, CEO of the Michigan Association of State Universities. "She mentors and empowers her students, symbolizing the excellence in higher education for which Michigan's public universities are globally renowned."

Through her goal of empowering students and encouraging them to take control of their learning, Sivy has mentored more than 50 students at SVSU in laboratory research. She teaches classes at every level, including introductory and general education chemistry courses, and is responsible for the entire upper-level biochemistry curriculum.

Sivy is a steering committee member of the Saginaw Bay Environmental Science Institute at SVSU. She contributed to the development of a mobile lab and its curriculum that has been used for outreach for area students, and she has mentored many regional high school teachers and students in environmental

research projects. She and her undergraduate students have been at the forefront for rapid DNA testing for detection of fecal contamination and its sources at beaches and rivers in the region.

Because of Sivy's previous experience with freshwater testing, the Michigan Department of Environment, Great Lakes, and Energy asked her to assist it in adapting testing for the COVID-19 virus in wastewater. She was the first in the state to rely on a team of undergraduate students for this testing, and since then they have worked tirelessly to detect COVID-19 in local communities, including on SVSU's campus and in seven surrounding counties.

"As a faculty member at SVSU, Dr. Sivy positively impacts the classroom and surrounding community through her research on water quality. She is a teacher who mentors and understands the needs of students. Her dedication to the success of students and her commitment to her community, colleagues, and SVSU are well evident," stated Deborah R. Huntley, provost and vice president for academic affairs at Saginaw Valley State University.

The two other 2021 recipients include Dr. Thomas Werner of Michigan Technological University and Dr. Yunus Zeytuncu of University of Michigan-Dearborn.

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Added note: Tami Sivy provided the following copy of her recent Midland Section ACS election bio profile information to flesh out the details of her professional career, teaching and leadership roles at SVSU, and local ACS section activities.

### **Tami L. Sivy**

#### **Professional Experience:**

2015 – present, Department Chair, Saginaw Valley State University, Department of Chemistry  
2008 – present, Professor of Chemistry, Saginaw Valley State University

#### **Education:**

(2006-2008) Portland State University – postdoctoral; (2006) Ph.D., Biochemistry, University of Colorado-Boulder; B.S., Biochemistry – Calvin College

#### **ACS Activities:**

I have been a member of the ACS since I joined the SVSU faculty and have attended more than six National Meetings. I have participated in many Midland Section ACS Fall Scientific Meetings, serving as co-chair and symposium speaker for the meeting held at SVSU in 2012. I was a symposium organizer for CERM 2012, held at CMU. At each of these and other meetings I was the coauthor on posters presented by many of my research students. I have served on the Midland Section Board as alternate councilor from 2015-2017 and as director from 2018-2020. Finally, I have mentored two Project SEED I/II students.

#### **Personal Statement:**

I believe that collaboration between various members of the Midland Section ACS is essential to its impact in the local community and on the national level. I also treasure education for all levels, and one of my most important roles is as a teacher. As such, I have been involved with an NSF-TUES

(Transforming Undergraduate Education in STEM)-funded grant that is bringing together educators and researchers from SVSU, CMU, and Delta to benefit our students' learning. I have also personally learned from these collaborations on a professional and personal level.

I have also been highly involved with the former Dow Corning Foundation/SVSU STEM Community Partnership and the Dow Science and Sustainability Center, mentoring students and teachers from SVSU and local high/middle schools. Additionally, I have formed partnerships with several local groups as I work to develop rapid bacteria testing for freshwater as part of the Environmental Science Institute at SVSU. Through continuation of these activities and as a representative of SVSU with the local section board, I hope to continue to establish and foster relationships with members of the ACS and others of all ages in the community. I look forward to continuing my relationship and SVSU's relationship with the ACS on the local level.

### **Vaccinated but Not Invincible**

***Mark Jones, Past Chair, Midland Section ACS, and Member, ACS Committee on Public Relations and Communications and the Chemical Heritage Landmark Committee***

Editor's note: This article is reprinted, in part, from the Thursday, July 1, 2021 issue of *ACS Industry Matters Newsletter*, an online news publication of the American Chemical Society.



A past Father's Day card, if memory serves, proclaimed that I was one in a million. Recent data indicates that I am more in the one in a thousand or one in ten thousand range, at least when it comes to COVID. I am a breakthrough COVID-19 case, fully vaccinated but tested positive for the virus.

I received my second Moderna dose in the second week of April, so I met the CDC [fully vaccinated definition](#) by the end of April. I tested positive for COVID-19 on May 30. The [compiled CDC data](#) indicates 10,262 confirmed breakthrough cases in 101 million fully vaccinated people. My local health department indicated that I was the forty-sixth case out of over 41,000 fully vaccinated. I am rare, but not one in a million.

Return to our pre-pandemic lives beckons, yet the virus is still with us. Vaccinated doesn't mean invincible. Being vaccinated significantly reduces the chance you'll become infected and reduces the severity if you become infected. The mRNA vaccines report over [94% efficacy in preventing COVID-19 in those without prior infection](#), the other approved vaccine a more modest 72%.

I misinterpreted what [efficacy means](#). It is the reduction of those that would have taken ill without vaccination. Put another way, people vaccinated with the Moderna vaccine have a 94% lower risk of getting COVID-19 compared to the unvaccinated. It does *not* mean 6% are susceptible and 94% are protected, since not every exposure to the virus leads to infection in the unvaccinated. The actual chance of getting infected is much lower as the case data show.

There aren't many takeaways in my personal story. I left Michigan with my fully vaccinated wife and fully vaccinated 86-year-old mother for North Carolina's Outer Banks. On the way, we picked up my partially vaccinated, post-COVID infected son in Washington, D.C. We stayed in a condo overlooking the

beach. We went to restaurants once for breakfast and six times for dinners. The four of us were together anytime I ventured into an enclosed space. My son departed on day four.

My sister joined us on the sixth day. We did not mask when in our condos around family. Masks were worn when out in enclosed spaces, except while actively eating. With the exception of restaurants, few, if any, encounters in enclosed spaces exceeded 15 minutes, the [threshold for a close contact](#). On the seventh day, my wife and I departed for Washington, D.C. We stopped to visit friends in Virginia, visiting indoors for an extended period with three fully vaccinated people.

On the eighth day, I woke with a killer, splitting headache and a stuffy nose. I went to a clinic in Washington, D.C., for a PCR test around noon. I felt much better the next day, Memorial Day. I was out for a walk in the city when the call came that I had tested positive for COVID. I isolated as much as possible in my son's apartment and departed the next day by car for Michigan.

My wife and I wore masks in the car for the trip. I did not have contact with anyone for the duration of the ~650 mile trip, avoiding all enclosed spaces. Once home, I isolated for 10 days. On June 2, during isolation, I awoke with no ability to taste or smell. I never experienced a fever. Headaches would come and go, but were mild, nothing like the first day.

Now, as I write this, three weeks since my positive test, there are some bright spots. No one in my family or among those I visited became ill. That is certainly a bright spot. My isolation is over, and I've resumed more normal life again. Isolation included shunning the dog. He sure acts like isolation ending is a bright spot. My taste and smell are still gone. I now get occasional brief whiffs of strong smells. They are fleeting, but provide hope that I will someday regain all five senses. Another bright spot. One last bright spot, I've dropped 8 pounds, thanks to the joy of eating largely being gone.

Many are asking whether I caught a variant. I don't know. The CDC ceased sequencing all breakthrough cases on [May 1](#). [Available data](#) show that the vaccines are still effective against the variants. I am also asked where I think I got exposed. I can't be certain. [Exposure 4-5 days before symptom onset is most likely](#). That would put it somewhere in the Outer Banks.

The conclusion is vaccination significantly reduces your odds of getting COVID-19, odds that are likely reducing with each passing day. More people are vaccinated. More people are post-infection. The reservoir of active infections is reducing. If vaccinated, your chances of getting COVID are very slim, but they aren't zero – as my experience illustrates. Being fully vaccinated and being careful still got me infected. Vaccinated does not mean invincible.





## **Dow TERC Analytical Lab Technologist Job Opening**

***Vickie Langer, Senior TERC Specialist, Dow***

We have an Analytical Technologist position available within the Chemistry group of the Toxicology and Environmental Research and Consulting (TERC) Laboratory located in Midland, Michigan. Interested candidates should apply at the following link: [Analytical Technologist TERC \(myworkdayjobs.com\)](https://myworkdayjobs.com/Dow)

The candidate will provide analytical chemistry support of both toxicology and environmental studies ranging from dose concentration studies to trace analytical quantitation of compounds in biological and environmental matrices. Some of the work will be conducted following regulatory guidelines (Good Laboratory Practices), but all will ultimately be submitted to regulatory agencies for review in support of the safety assessments of Dow products.

### ***Responsibilities:***

- Work in a safe manner in accordance with facility and site EH&S policies
- Support analytical and environmental testing as directed by project leads
- Provide support in instrument set up, maintenance, and troubleshooting
- Participate in technical training to attain on-the-job proficiency
- Ensure data collection, interpretation, and documentation are done with high quality and in accordance with GLP requirements
- Participate in good housekeeping practices

The Dow Chemical Company does not offer relocation assistance for this position. This includes reimbursement for travel expenses incurred to and from test sessions/interviews. If you apply for a position that is not within the area in which you reside, you will be responsible for all costs that you incur.

### ***Required Qualifications:***

- Experience in an academic or industrial laboratory setting
- Must be 18 years old or older
- A minimum requirement for this U.S. based position is the ability to work legally in the United States. No visa sponsorship/support is available for this position, including for any type of U.S. permanent residency (green card) process.

### ***Preferred Qualifications:***

- Bachelor of Science degree in chemistry is highly preferred
- Analytical laboratory experience is highly desired
- Experience operating, maintaining, and troubleshooting analytical instruments such as liquid/gas chromatographs and mass spectrometers. Experience with analysis of organosilicon materials is beneficial.
- The willingness to work with biological matrices and radioactivity
- Proficiency in Microsoft applications, such as Word and Excel, and the ability to learn new systems quickly

### ***Knowledge, Skills, and Abilities:***

- A strong commitment to safety
- A desire to continually learn and be an active member of the chemistry team

- Strong technical and interpersonal skills
- Excellent multi-tasking, problem solving, and time management skills
- Good written and verbal communication skills

***Physical Requirements:***

Must be willing and able to do the following with or without a reasonable accommodation:

- Wear safety equipment, such as earplugs, goggles, and steel-toed shoes
- Wear and use respirators
- Perform frequent bending, reaching, and lifting
- Stand or walk for extended periods of time
- Lift a minimum of 30 lbs.

***Education:***

- A minimum of a High School Diploma or GED is required

***Assessment:***

This role will have an assessment to complete during the application process. Please allow 30 minutes to 1 hour to complete the assessment at the time of application. You will not be able to save your application for later. Even if you have taken this assessment before, please click on the link. An assessment is required for each position to which you apply.

***Dow Offers:***

- A robust total rewards program, including: competitive base pay, variable pay that rewards individual, team, and Company performance, and comprehensive benefits.
- On-going learning opportunities within a diverse, inclusive, and rewarding work environment.
- Career experiences that can span different Dow businesses and functions with opportunities for personal and professional growth.
- The chance to work within a global company and interact with colleagues from around the world.
- Opportunities that spark your imagination and ignite your passion to help others.

**About Dow**

Dow (NYSE: DOW) combines global breadth, asset integration and scale, focused innovation, and leading business positions to achieve profitable growth. The Company's ambition is to become the most innovative, customer centric, inclusive, and sustainable materials science company, with a purpose to deliver a sustainable future for the world through our materials science expertise and collaboration with our partners. Dow's portfolio of plastics, industrial intermediates, coatings, and silicones businesses delivers a broad range of differentiated science-based products and solutions for its customers in high-growth market segments, such as packaging, infrastructure, mobility, and consumer care. Dow operates 106 manufacturing sites in 31 countries and employs approximately 35,700 people. Dow delivered sales of approximately \$39 billion in 2020. References to Dow or the Company mean Dow Inc. and its subsidiaries. For more information, please visit [www.dow.com](http://www.dow.com) or follow [@DowNewsroom](https://twitter.com/DowNewsroom) on Twitter.

As part of our dedication to the diversity of our workforce, Dow is committed to equal opportunities in employment. We encourage every employee to bring their whole self to work each day to not only

deliver more value, but also have a more fulfilling career. Further information regarding Dow's equal opportunities is available on [www.dow.com](http://www.dow.com).

As part of our dedication to the diversity of our workforce, Dow is committed to Equal Employment Opportunity without regard for race, color, national origin, ethnicity, gender, protected veteran status, disability, sexual orientation, gender identity, or religion. We are also committed to providing reasonable accommodations for qualified individuals with disabilities and disabled veterans in our job application procedures. If you need assistance or an accommodation due to a disability, you may contact us at <http://www.dow.com/en-us/contact-us> or you may call us at 1-800-523-3945.

### **New Midland ACS Scholarship Fund Challenge**

***Gina Malczewski, Director and Scholarship Committee, Midland Section ACS***

The Midland Section of the ACS has been proud to offer scholarships to deserving undergraduate students majoring in a chemical science since 2002. Annually, two to four scholarships are awarded to candidates who have graduated from a high school in one of the Section's five counties (Bay, Midland, Saginaw, Isabella, and Gratiot), are studying at a Michigan University, and are ideally intending to pursue a career in some aspect of chemistry or chemical engineering. Selections are made by a committee and are based on academics, service, and extracurricular contributions, and an essay on the student's sources of motivation as well as future plans.

Awards usually range from \$1,000-2,000, depending on the financial performance of the Midland ACS Scholarship Fund (#399) administered through the Midland Area Community Foundation. A long-standing goal of the Section has been to raise the base amount to \$100,000 to serve more students.

**Dr. Wendell and Marcia Dilling** (photo at right), both trained chemists and stalwart supporters of our Local Section, are now prepared to help us reach that goal by donating up to \$18,000 as part of a Challenge Grant to the Scholarship Fund, which currently stands at \$64,953.22. **They will match 1:1 any new contributions to the fund at the Midland Area Community Foundation over the next couple of years ( $\$18,000 \times 2 + \$64,953.22 = \$100,953.22$ ).**



Please consider contributing to this worthwhile cause. **Your donations will help shape the future of chemistry!** If you have any questions about contributing to the Midland ACS Scholarship Fund, please call the Midland Area Community Foundation at 989-839-9661. Thank you.

An online donation form can be found through the following link:  
[Midland Section American Chemical Society Endowed Scholarship Fund #399](#)



## 2021 Fall Scientific Meeting

Margaret Hwang, Fall Scientific Meeting Committee, Midland Section ACS



American Chemical Society Midland Section

# 2021 Fall Scientific Meeting

Fast or Slow...



Save the Date:  
October 23, 2021  
Virtual on Zoom  
Registration:  
<https://sites.google.com/view/acs-2021-fsm/home>

## Equity in STEM Symposium

October 22, 2021

## Chemistry Makes It Go!

Sponsored by ACS Midland Section

### Fall Scientific Meeting Invited Speakers:

- Babak Borhan (Keynote), MSU Dept. of Chemistry
- Nirala Singh, UofM Dept. of Chemical Engineering
- Bingbing Li, CMU Dept. of Chemistry
- Jake Steinbrecher, Dow Automotive & Elastomers

### Fall Scientific Meeting Registration:

To register for the 2021 Fall Scientific Meeting, go to <https://sites.google.com/view/acs-2021-fsm/home>.

### Fall Scientific Meeting Abstract Submissions:

The deadline for abstract submissions for oral and poster presentations is Friday, September 3. Please submit your abstracts to [acsfallsubmits@gmail.com](mailto:acsfallsubmits@gmail.com). For more information, please see [ACS 2021 FSM \(google.com\)](https://sites.google.com/view/acs-2021-fsm/home).

### Equity in STEM Symposium Information:

The deadline for abstract submissions for poster presentations is Friday, September 3. For more information, please see [ACS 2021 FSM \(google.com\)](https://sites.google.com/view/acs-2021-fsm/home). For any questions, please contact the STEM symposium co-organizers, Bingbing Li at [li3b@cmich.edu](mailto:li3b@cmich.edu) or Gina Malczewski at [reginamalczewski@gmail.com](mailto:reginamalczewski@gmail.com).



## Call for Nominations for 2022 Officer and Director Candidates

### *Shuting Feng, Chair, Nominations and Elections Committee, Midland Section ACS*

Here is your opportunity to become more involved in your local ACS section! We need candidates to run for the following positions for 2022:

- Chair-elect (1-year term)\*
- Secretary (1-year term)
- Treasurer (1-year term)
- Chair, Nominations and Elections Committee (1-year term)
- Directors (3 open positions for 3-year terms)

\*Note: The election of a Midland Section ACS member to the Chair-elect position triggers a rolling three-year commitment, the first year as Chair-elect, the second year as Chair, and the third year as Past Chair. The Chair and Past Chair positions are not subject to the annual elections process unless a vacancy arises.

If you are interested in running for any of these positions, or if you know of someone who might be interested, please contact Shuting Feng at [sfeng7@dow.com](mailto:sfeng7@dow.com) (preferred) or by phone at 989-496-1617. If you have any questions regarding the responsibilities of any of the positions, please contact the current officers or Shuting Feng. You are also encouraged to visit our website at [www.midlandacs.org](http://www.midlandacs.org).

## Upcoming Dates, Events, and Other Updates

- July 8 (7:00 PM – ??) – Presentation on the *Characteristics and Chemistry of Pyrotechnics* by Jim Malek, Certified Pyrotechnician, along with walk-by interactive science activities by Gina Malczewski. Event co-sponsored by the Midland Section ACS and the CMU Museum of Cultural and Natural History. Rowe Hall, Room 124, Central Michigan University. 7:00 PM, walk-by interactive science activities; 8:00 PM, presentation; and then at dusk, live outdoor fireworks demos.
- July 15 (12:00 – 2:00 PM) – *Playtime Science and Hometown History*, free event for the young, and young at heart, co-sponsored by the CMU Museum of Cultural and Natural History and the Midland Section ACS. Location: Bohannon Schoolhouse & Gerald L. Poor Museum on the campus of Central Michigan University, at the corner of Preston Street and West Campus Drive, in Mount Pleasant. For more information, please contact Gina Malczewski at [reginamalczewski@gmail.com](mailto:reginamalczewski@gmail.com).
- July 22 (5:00 PM – ??) – *Trivia Night in the Park* event, co-sponsored by the Midland Section ACS and Mid-Michigan Section AIChE Diversity & Inclusion Committees, Emerson Park, Shelter D, in Midland. Food, prizes, and networking opportunities (5:00 PM, networking begins; 7:00 PM, Teams Trivia begins). No reservations are needed, and the event will happen rain or shine. For more information or any questions, please contact Anne-Catherine Bedard at [ABedard@dow.com](mailto:ABedard@dow.com).
- August 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - August 2021](#), phone number: 989-633-1166.
- August 22-26, 2021 (**Save the Date**) – Fall 2021 National ACS Meeting & Exposition (**Atlanta, GA and Online**). Meeting theme – *Resilience of Chemistry*. For more information, please see [ACS Meetings & Expositions - American Chemical Society](#).

- September 3 – **Deadline for abstract submissions for virtual poster presentations for the October 22 *Equity in STEM Symposium*, and for oral and poster presentations for the October 23 Virtual Fall Scientific Meeting.** For more information, please see [ACS 2021 FSM \(google.com\)](https://acs2021fsm.google.com).
- September 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - September 2021](#), phone number: 989-633-1166. **Please note: This Board meeting is being held on Tuesday evening, not the usual Monday evening.**
- October 4 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - October 2021](#), phone number: 989-633-1166.
- October 22 (12:30 – 5:00 PM) – *Equity in STEM Symposium*, a Midland Section ACS sponsored virtual symposium poster session event held the afternoon before and in conjunction with the 2021 Fall Scientific Meeting. **The deadline for abstract submissions for poster presentations is Friday, September 3.** For more information, please see [ACS 2021 FSM \(google.com\)](https://acs2021fsm.google.com). For any questions, please contact the STEM symposium co-organizers, Bingbing Li at [li3b@cmich.edu](mailto:li3b@cmich.edu) or Gina Malczewski at [reginamalczewski@gmail.com](mailto:reginamalczewski@gmail.com).
- October 23 (8:00 AM – 5:00 PM) – 2021 Midland Section ACS Virtual Fall Scientific Meeting. Meeting theme: *Fast or Slow ... Chemistry Makes it Go!* See the meeting flyer in this newsletter for more information. Register at <https://sites.google.com/view/acs-2021-fsm/home>. **The deadline for abstract submissions for oral and poster presentations is Friday, September 3.** Please submit your abstracts to [acsfallsubmits@gmail.com](mailto:acsfallsubmits@gmail.com). For more information, see [ACS 2021 FSM \(google.com\)](https://acs2021fsm.google.com).
- November 1 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - November 2021](#), phone number: 989-633-1166.
- December 6 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (anticipated location, in person), or via a WebEx conference call connection at [Cisco Webex Meeting - December 2021](#), phone number: 989-633-1166.

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