

# THE MIDLAND CHEMIST

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## Chair Column – Please Vote

**Mark Jones, Chair, Midland Section ACS**



Please vote. All of us are aware that elections are being held in November. Signs now adorn lawns throughout the area, inescapable reminders of the looming elections. The federal, state and local elections that now occupy the news, our phone lines, and our lawns are not my motivation for mentioning voting. My motivation is ACS elections.

ACS elections don't come with yard signs. I've never gotten a robocall espousing one candidate over another. The yearly ACS elections are kinder, gentler elections.

All signs point to record turnout for our federal, state and local elections in 2020. In contrast, voter turnout for the ACS elections at the national and local level seem destined to again be low. Only a minority of ACS members exercise their right to vote.

Michelle Cummings pulled together a great slate of candidates for our local section. The electorate in Midland is changing. The number of companies active in the region continues to grow. We strive to have the composition of the leadership reflect the diversity now present in our region.

Volunteers are always welcome. Opportunities abound. Our Diversity and Inclusion Committee is seeking to expand, both the committee membership and outreach. Please contact Anne-Catherine Bedard, chair of the

D&I committee, to get involved. If D&I isn't your interest, don't be dissuaded. There are surely opportunities that fit your interest. Reach out.

Please vote in both the ACS national and local elections. Let your voice be heard. Your vote matters.

### **Continuing COVID-19 Pandemic Precautions**

***Amanda Palumbo and Gina Malczewski, Midland Section ACS***

As a precaution against the COVID-19 pandemic, and in compliance with best practices as advised by government agencies, a number of Midland Section ACS events will be hosted virtually only, postponed until further notice, or cancelled entirely.

Our committees have a selection of exciting networking and career development events coming up once the public health situation allows. Many thanks for your continued community support and partnership.

For the most up-to-date information on events and activities, please visit <http://www.midlandacs.org/>, or <https://www.facebook.com/MidlandACS.org/>.

### **Midland Section ACS Board of Directors 2021 Election**

***Michelle Cummings, Chair, Nominations and Elections Committee***

The annual election for the Midland Section ACS Board of Directors will be open starting **October 11, 2020 and will close November 1, 2020.**

The positions that are open for election are:

- Chair-Elect (1-year term)
- Treasurer (1-year term)
- Secretary (1-year term)
- Nominations and Elections Chair (1-year term)
- Director - 3 positions (3-year term)
- Director - 1 position (1-year term)
- Councilor (3-year term)
- Alternate Councilor (3-year term)

Below is a summary of the description and nominees for each of the open positions.

**Chair-Elect:** The chair-elect shall serve as Acting Chair of the Section in the absence of the Chair. Additionally, the chair-elect will succeed to the chairmanship of the Section on the following January. They serve on the Board of Directors and the Executive Committee.

***Candidate for Chair-Elect:***



**Joel P. McDonald, Ph.D.**

Joel McDonald is the R&D Strategy Leader reporting to Dow's Senior Vice President of R&D and CTO. In this role Joel is responsible for the planning and implementation of strategic initiatives, preparing technical communications on Dow's innovation delivery, and stewardship of Dow's global R&D project portfolio.

Joel was previously an R&D Manager within Silicones Product Development at the Dow Chemical Company and R&D Strategy Leader within Performance Materials and Coatings business. For his role in Product Development, he was accountable for defining technology roadmaps aligned with market trends and corporate strategies and was specifically responsible for products designed for transportation lighting and assembly applications. As the R&D Strategy Leader for the Performance Materials and Coatings business, Joel reported to the Vice President of R&D and supported the definition and execution of strategic initiatives associated with both internal and external stakeholders.

Prior to joining Dow in 2010, Joel completed a Ph.D. in Applied Physics at the University of Michigan in 2007 where his dissertation focused on the interaction of femtosecond pulsed lasers with silicon materials. He subsequently worked as a post-doctoral associate and member of the technical staff at Sandia National Laboratory in Albuquerque, NM from 2007 to 2010 where he developed and characterized energetic materials.

**Treasurer:** The treasurer shall assist in the preparation of an annual budget in cooperation with the Chair and Finance Committee. They shall also pay the bills, handle receipts, keep financial records and report to the Board of Directors. Lastly, the treasurer will make out an annual report with the content and format required by National and file the IRS returns.

### ***Candidate for Treasurer:***



### **Lauren McCullough, PhD**

#### **Education:**

B.S in Chemical Engineering, Minor in Environmental Engineering, Penn State University 2012

Ph.D. in Chemical Engineering, Northwestern University, 2017

#### **Professional Experience:**

2017 – Present: Senior Process Engineer in the TES Tech Center, reactor modeling technology expert.

#### **ACS Activities:**

January 2018 – Present: Chair of Women Chemists Committee

January 2019 – January 2020: Director

January 2020 – Present: Treasurer

#### **Personal Statement:**

For the past two years I have had the privilege of serving the local section through roles as the co-chair of the Women Chemists Committee and Director. Although I have been involved in ACS since 2011 through participation in conferences, I only became involved in local section activities after moving to Midland in 2017. My time as chair of the WCC has been extremely rewarding. Working with section members has enabled me to spend time many Midland-area chemistry lovers that I otherwise would not have had the chance to meet. The talent and drive in this section impresses me consistently. I am passionate about sharing my love of science with the broader community and WCC and local section have given me many opportunities to do so this year including organizing and running several events:

- Skills Beyond the Bench (SBTB) 2018/2019: a half day panel discussion developed in partnership with the Detroit section WCC. The first SBTB (2018) was focused on career paths in industry & the most important non-technical skills. We had great participation, including many university students. The second SBTB (2019) focused on collaboration for career growth. SBTB 2020 is tentatively planned to focus on mentoring.
- Dow Rising Stars & Bourbon Tasting: an evening event where we heard technical talks from the 5 recent recipients of the ACS Rising Star award who work for Dow. The event was held at the country club and included dinner and bourbon samples.
- Connect for H<sub>2</sub>OQ: WCC has collaborated with the H<sub>2</sub>OQ team to provide volunteer led, 1-2 hr interactive STEM field trip experiences for middle school students and a teachers' workshop. The WCC submitted a winning Dow Engaging for Impact grant for \$10,000 to fund this effort. WCC will be actively engaged in helping the Columbus section prepare to continue the experiment for CERM 2020 through an organizers workshop funded by an ACS Innovative Programs Grant.

I am hoping to be elected to the position of treasurer to continue to learn from section members and give back to this supportive and collaborative chemistry community.

**Secretary:** The Secretary records the proceedings of the Section and its Executive Committee, maintains a list of members and associates, sends to members and associates such notices as the business of the Section may require, and carries out all other duties outlined in the SOCIETY and Section bylaws.

***Candidate for Secretary:***



**Maude Desroches, PhD**

**Senior Chemist  
Advanced Elastomers  
Dow Performance Silicones – Product Development**

Maude earned her PhD in chemistry from Université Laval in Québec city in May 2018 and has completed a six-months internship at the Massachusetts Institute of Technology in 2016. She is a synthetic organic chemist and has worked with carbon-rich materials. Her expertise ranges from total synthesis of phenylacetylene macrocycles to polycyclic aromatic hydrocarbons structure-property relationship. While at MIT, Maude developed an oxygen sensor for the food packaging industry. Maude holds one patent, has authored one book chapter, and twelve peer-reviewed publications. Maude has joined the sealant RTV group in July 2018. She is currently working on the replacement of weatherseal sealants towards a more sustainable formulation for the high performance building market.

**Nominations and Elections Chair:** The Nominations and Elections Committee is charged with identifying qualified candidates for leadership positions in the Section.

### ***Candidate for Nominations and Elections Chair:***



#### **Shuting Feng, PhD**

**Education:**

B.S. in Chemical Engineering with Distinction, Minor in Chemistry, University of Delaware, 2014

M.S. in Chemical Engineering Practice, MIT, 2016

Ph.D. in Chemical Engineering, MIT, 2019

**Professional Experience:**

Senior TS&D Specialist, R&D Research Assignments Program (RAP), Dow, July 2019 – present

Elastomers TS&D, DPS, July 2019 – 2020

FAMS Mat. Sci., Core R&D, July 2020 – present

**ACS and SWE Activities**

Member of the Diversity and Inclusion Committee, Midland ACS, 2019 – present

Member of the Nominations Committee, Mid-Michigan SWE, 2019

**Biography:** Shuting Feng was born and raised in Guangxi, China, and she came to the U.S. in 2010 for undergraduate studies at the University of Delaware and earned a B.S. in Chemical Engineering with Distinction and a minor in Chemistry in 2014. In 2014, she began her graduate studies at Massachusetts Institute of Technology where she worked on the design and characterizations of new electrolyte materials for rechargeable lithium-oxygen batteries. In 2015, Shuting conducted research internships at the U.S. Food and Drug Administration and Corning, Inc. working on various technologies such as virus removal, carbon capture, and continuous soot processing. Shuting received her M.S. in Chemical Engineering Practice in 2016 and her Ph.D. in Chemical Engineering in 2019.

Shuting started at Dow in July 2019 on the Research Assignments Program. Her first RAP assignment was hosted by the DPS Elastomers TS&D team where she worked on the formulation and characterizations of lighting-grade silicone elastomers. She is currently doing her second RAP assignment in Mat. Sci., FAMS in Core R&D investigating rheology modifiers in cementitious mortars and coextruded layer with high aspect ratio platelets for barrier films. Since joining Dow, Shuting has enjoyed serving in the Diversity and Inclusion Committee in the Midland Section of ACS and the Nominations Committee in the Mid-Michigan Society of Women Engineers (SWE).

**Director:** Directors are expected to attend Board meetings and to participate in the Board’s deliberations. Directors should maintain an interest in local and national ACS affairs so that they can give informed consideration to the Section’s issues. They should be alert to the needs and opinions of the Section membership. Three Directors must be elected the Executive Committee, which may require attendance at additional meetings.

### ***Candidates for Director:***



#### **Hyder Aliyar, PhD**

Hyder works as a Research Investigator in the Medical Silicones group at DuPont in Midland. At work, his focus is to investigate and evaluate polymer technologies towards product development for drug delivery and skin care. He has a PhD in Polymer Science from University of Madras, India. He has gained research and product development experience via working in research institutes, universities and industries both in Japan and US over the past 20 years, all almost on polymeric materials for medical or pharmaceutical applications. Beyond research,

he likes teaching and mentoring, especially communicating technical material to non-technical audience which he improved with the experience received from his association with Toastmaster International for about 10 years. Prior to DuPont, he was at Dow Corning and subsequently at Dow. He has been a member of ACS since 2003.



#### **Soham Dutta, PhD**

**Professional Experience:** Senior Research Engineer at the Dow Chemical Company, Midland MI

**Education:** Ph.D. Chemical Engineering, Carnegie Mellon University (2018)

**Personal Statement:** I have served as the Secretary of the Midland ACS Section during the Centennial year 2019 and I am looking forward to continuing my journey in the local Section. Over the past couple of years, I have enjoyed working with a dedicated group of individuals who are both passionate about Chemistry and about outreach to the local community. I want to continue to leverage my communication and team-building skills acquired through years of experience working in cross-functional teams to contribute to the sizable achievements of the Midland Section. I am passionate about STEM outreach, particularly to those who may not consider STEM as a viable career option. If I am elected, I hope to be able to leverage ACS resources in the Great Lakes Bay Region community to encourage young minds to realize their potential in STEM.



## Michael Coote, PhD

Michael Coote is originally from Flint, Michigan where he served in public safety as a police officer and paramedic for 25 years. Michael earned his Bachelor of Science degree as a biochemistry major at the University of Michigan-Flint in 2004. In 2006, Michael earned a Master of Science degree in chemistry at Oakland University in Rochester, MI under Dr. Amanda Bryant-Friedrich (“Spectroscopic and Physical Properties of the Malachite Green-Calf Thymus DNA Complex and Synthesis of a Malachite Green Analog”). In 2012 Michael retired from public safety and in 2017 earned a Doctor of Philosophy in biomedical science at Oakland University under Dr. Arthur Bull (“Activation of Peroxisome Proliferator-Activated Receptor Gamma by the Glutathione and Synthetic Glucuronide Conjugates of 13-Oxooctadecadienoic Acid”).

Michael is currently an Assistant Professor of chemistry and has been employed at Saginaw Valley State University since 2015 and has been an ACS member since 2004. Michael now lives in the Midland area with his wife, Jennifer, and their two young daughters.



## Leanna Foster, PhD

Leanna Foster is a member of the DuPont T&I Silicones Team in Midland, MI. She recently graduated from University of Michigan with a PhD in Macromolecular Science and Engineering, where she enjoyed serving in leadership roles in the ACS POLY/PMSE student chapter. She continues to have a passion for science communication and education, as well as mentoring emerging scientists.



## Regina Malczewski, PhD

**Personal Statement:** I have held many positions within the Midland Section, including Chair, Secretary, Director and Outreach co-chair. I am dedicated to the success of the section and its mission to communicate the benefits of chemistry and to encourage its practice. I am an active Science Coach, an ACS Fellow, and am active on the National Committee for Community Activities. I have a lot of experience in soliciting and establishing partnerships and getting grants; I was active in CERM 2019 and also led the centennial exhibit effort.



## Elena Montoto, PhD

Elena is currently a Senior Research Specialist at Dow, Inc. since early 2019. She earned her B.S. in chemistry from Saint Joseph's University in Philadelphia, PA and then earned her Ph.D. in Chemistry from the University of Illinois at Urbana-Champaign. She is an electrochemist by Ph.D. training and currently her research focuses on high throughput research and material characterization. During her time in UIUC she was involved with the East Central Illinois ACS Local Section fulfilling board roles in both the Women Chemists Committee and Younger Chemists Committee. She served in secretary and treasurer roles for the local subcommittees and helped organize several outreach and professional development activities alongside the boards.



## Amanda Palumbo, PhD

**Professional Experience:** Eleven years of R&D roles at Dow Corning (2009-2016) and Dow (2016-present), all in Midland. I am currently a Senior R&D Leader in Core R&D.

**Education:**

2005-2009: Ph.D. Analytical Chemistry, Michigan State University  
2001-2005: B.A. Chemistry, Kalamazoo College.

**Personal Statement:** Throughout my educational and professional career I have thoroughly enjoyed being an active member in a variety of volunteer organizations. I believe that volunteer organizations, such as the Midland ACS Local Section, bring together a diverse group of people who have the common goal of making a positive impact on our surrounding community. If elected Director, I will champion ACS's mission of improving people's lives through the transformational power of chemistry.

**ACS Activities:** I was most recently the 2019 Chair of the Midland local section and am serving currently as the Past Chair and Publicity Chair. During my time as chair, Midland local section celebrated both the 100th anniversary and hosted the 50th Central Regional Meeting, hosted over 100 events & activities, submitted for >30 ACS National ChemLuminary awards, and two section members were nominated and achieved ACS Fellow status. It was a busy and rewarding year. I'm eager to continue my service as a director in the award-winning Midland section.

**Related Outreach Activities:** In 2008-2009, I served on the Gratiot County Habitat for Humanity board of directors. As the secretary, I was responsible for recording the meeting minutes and was a voting member of the board. I also marketed fundraising events to increase donation support for the foundation.

While at Dow Corning, I served five years on the board of the Dow Corning Technical Exchange Society (DCTES), culminating as president in 2013-2014. DCTES promoted awareness of emerging technologies from industrial and academic researchers through a series of six dinner lectures per year. As president, I selected topics and speakers that appealed to the 300-paying attendees and I ensured that all six events were delivered within the \$15,000 annual budget.

In 2011-2013, I was a member of the steering committee for the Dow Corning Early Career Network, which organized a program of career development and social gathering events for early career individuals.



## Michelle Rivard

**Professional Experience:** Started at Dow Corning May 1997. 2004-current Analytical Technologist (hDCC), 2000-2004 Wash/Etch Technician (HSC), 1997-2000 Slimrod Technician (HSC)

**Education:** B.S Biochemistry, Central Michigan University

**ACS Activities:** Since joining the Midland Section in 2005, I have had several roles- MMTG director 2011-2012, chair-elect 2013, Chair 2014, Past Chair 2015. Section's Program Committee from 2013-2015, assisting in the acquisition of technical speakers, and have been the primary organizer of ACS Day at the Midland County Fair from 2010-current. My Outreach activities include leading and developing student programs and helping with teacher workshops. My involvement as an ACS Science Coach began with the inception of the program in 2010. Within this program, I have partnered with 5 different teachers and schools. I serve as a member of the National Project SEED committee, serving both on the ChemLuminary and Scholarship Committee 2013-current. In 2020 I will be taking over as the Project SEED coordinator for our local section.

I was elected as a Section Director in 2015, but served as chair-elect for the Section, after volunteering to fill the empty seat and receiving Board approval. In 2016, I served as the chair for MMTG 25 Year Anniversary committee. In this role, I organized a symposium that ran alongside the Fall Scientific Meeting (FSM) symposium and secured the Key Note speaker for FSM. I was Co-chair for the education/outreach program for the 50th Central Regional Meeting held in Midland earlier this year. I am also currently the Treasurer for our local section (2017-2019).

Other Information: 2015 Midland Section Outreach Volunteer of the Year. Invited guest speaker for CTA 50th Anniversary Symposium at the 248th National Meeting in San Francisco, CA in 2014. MMTG outreach volunteer of the year 2010-2012. Successfully wrote and secured 4 grants for MMTG activities 2015, 2016, 2018, and 2019. 2018 Outstanding National Chemical Technician Award. 2019 E. Ann Nalley Central Region Award for service to the Midland local section, ACS National and the Central Region.

**Personal Statement:** I hope to continue my service to the Section as Director; I live locally and attend a majority of ACS related activities which allows me to be well-versed with our local section's activities. My experience allows me to work well across committees and activities. In this era of designated funds, I have successfully been able to organize and complete programs within budget. I have secured grants and organized fundraising in order to continue to fund the programs that have helped win numerous awards for our local section. If elected as Director, I will continue to support and maintain the efforts for which we have been recognized nationally.

**Councilor:** Councilors are expected to attend the Section's board meetings of which they are a voting member. They should have a good grasp of the history of the Section and the developments which have framed it. The councilor should assure that the Section adopts a rational budget and operates in a fiscally sound manner. They are responsible for approving the annual report that is submitted to National as well as serve as a member of the National Council and represent the Section.

### ***Candidates for Councilor:***



#### **Dale LeCaptain, PhD**

**Professional Experience:** Central Michigan University 2001 – present; Colorado State University 2000-2001; Michigan State University 1999-2000

**Education:** 1999 – PhD Analytical Chemistry Michigan State University; B.S. 1994 – University Wisconsin LaCrosse

#### **ACS Activities:**

Meetings and Expositions Committee (ACS National) 2015-present; Regional Meetings Subcommittee (ACS National) 2015- present; Councilor (Midland Section) 2014-present; Alternate Councilor (Midland Section) 2005 – 2011; Regional Experiment, H2O Q Co-creator and full time director 2018- present; Member of the 2019 CERM Regional Meeting Committee; Co-Chair Midland Section Fall Scientific Meeting 58th, 59th, 60th, and 66th ('02, '03, '04, & '11); Executive Director Committee and Social Chair of the 44th Central Regional Meeting (2013); Founding member of the local section Younger Chemists Committee, co-chair for several years, and now leader as the student member liaison to the local section YCC/Student Member Committee; Faculty Advisor ACS Central Michigan University Student Members (2003 - present).

#### **Personal Statement:**

Just under 6 years ago, you (Midland Section) gave me the opportunity to represent our section at the national level. I've positioned myself onto the councilor only committee of Meetings and Expositions (Regional subcommittee) as the ACS transitions from large in-person meetings to virtual, semi-virtual, hybrid. Clearly, this is a vibrant discussion at the National and Regional levels of ACS as we work through the challenges of today. Working at both the local level and the national level is providing insight, connections, and access to key ACS systems. As I continue to build a network at the national level, I seek out opportunities for Midland Local and the student members of the Midland Local Section. H2O Q, the middle school outreach program that I led the building for the regional meeting where we engaged several hundred kids in water quality chemistry is now expanding once more through my work with CMU and the Environmental Protection Agency. It's programs like this that engage school age kids with ACS volunteers both the professionals and student members that keep demonstrating the transforming power of chemistry.

**Other:** My 18+ years of active involvement with the local section, hundreds of former student members now in the ACS network, and my other volunteer offices in both the Midland and Mt. Pleasant community has really brought to light the strength that is Midland Section ACS (A national leader in the ACS!).



## ***Samuel Moffat***

**Professional Experience:** ExxonMobil 2016-2018;  
Dow/DuPont 2018-Present

**Education:** 2016 BYU-Chemical Engineer

My wife and I both graduated from BYU in Utah as chemical engineers in 2016. After a trip to the Philippines where I had lived for 2 years prior to starting at BYU, we moved to Texas where we both started work at ExxonMobil Chemical Company. Two years later we moved to Midland where I began work as a Methocel run plant engineer. We love the town up here and I've been on the lookout for a good way to be more involved with the community. Getting involved with ACS is a great chance to help out, give back, and strengthen the community. I'm young and new, but happy to contribute!

**Alternate Councilor:** Alternate Councilors are expected to attend the Section's board meetings of which they are a voting member. In the event that the Councilor cannot serve as a member of the National Council and represent the Section, the Alternate Councilor shall.

### ***Candidate for Alternate Councilor:***



#### **Wendy Flory, PhD**

**Professional Experience:** Dow, Inc. 2001 – present, State Chemical Co., Cleveland, OH 1993-1994

**Education:** 2000 - post graduate Colorado State University; 2000 - PhD Analytical Chemistry Michigan State University; B.S. 1993 - Ohio State University

**ACS Activities:** Finance Committee 2014-current chair; Nominations and Elections Chair 2016-2017; Treasurer – 2014-2016; Councilor – 2010-2013; WCC committee 2013 – current; YCC Chair 2002-2006; Co-Chair Fall Scientific Meeting 2003-2004

Local ACS sections offer many opportunities to chemists, in particular to expanding one's network both locally and nationally. Starting in graduate school and continuing with my 19+ years at Dow I have been involved with ACS serving on the national WCC for 2 years, as a Midland Section Councilor, as the local treasurer, and most recently with the Nominations and Elections. While on N&E, it was my goal to recruit a diversity of candidates from our area with varying years of experience. Having a board with a variety of experiences can only make our section stronger and can increase new ideas in all areas. Locally, I was the key person involved with starting the local younger chemist committee and the younger research chemists (YRC) at Dow Chemical. I was instrumental in several Fall Scientific Meetings from '02 – '04, chairing it in '03 and '04. These meetings involved many presentations and was attended by 300+ area scientists. Numerous times I've been a volunteer for outreach programs in the community, events such as the Dow Family Reunion, Professionals Day, Take Your Child to Work Day, etc.

**Personal Statement:** My passion for ACS has been to improve the impact that the local section has on its members. I believe that most members join or renew because of how our local section can really make a difference, through local outreach, professional programming, or volunteer opportunities. I'd like to continue to partner and leverage ideas that other sections may have to strengthen the ACS.

**MSU St. Andrews Family Astronomy Nights via Zoom**  
*Clare Light, Project/Event Coordinator, MSU St. Andrews*



**Family Astronomy Night**  
with MSU St. Andrews - Virtual events via Zoom

***Join us!***

Tuesday, October 20 at 7 PM  
Tuesday, November 17 at 7 PM  
Tuesday, December 8 at 7 PM

Monthly presentations bring to light current events in the night sky, tell the history of an astronomical subject, and keep you updated on what is happening in space and technology!

For links and event details visit:

MSU St. Andrews Family Astronomy Night  
<https://standrews.msu.edu>

MSU St. Andrews Family Astronomy Nights via Zoom.

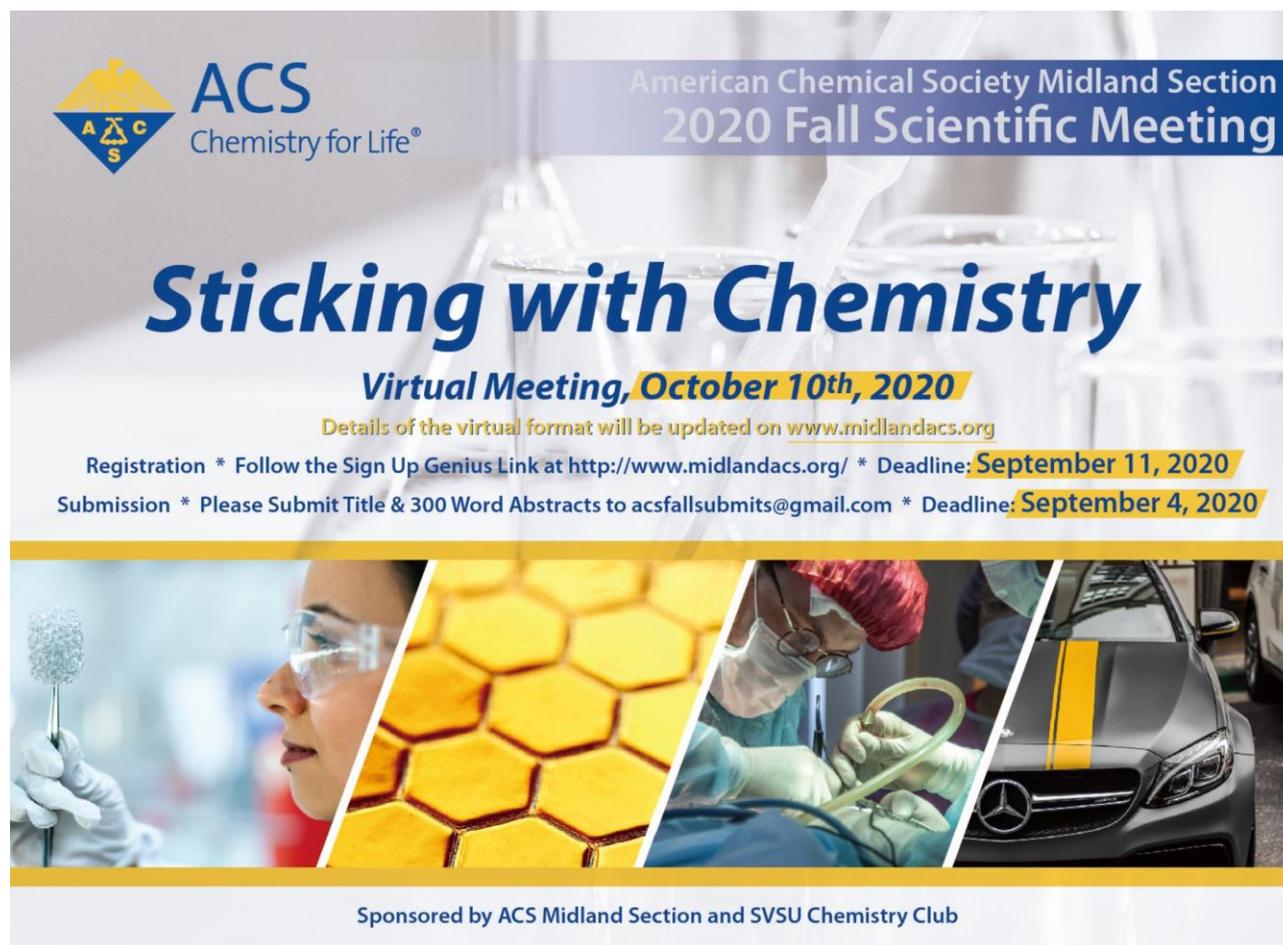
Join us: <https://standrews.msu.edu/2020/09/11/family-astronomy-night-3/>

**2020 Midland Section ACS Virtual Fall Scientific Meeting, October 10**  
*Anirudha Banerjee, 2020 Fall Scientific Meeting Chair, Midland Section ACS*

## **76th Midland Section ACS Virtual Fall Scientific Meeting: “Sticking with Chemistry”**

**Date:** Saturday, October 10, 2020

Details of the virtual format meeting will be updated on [www.midlandacs.org](http://www.midlandacs.org). Please watch for updates, and please also see the Virtual Fall Scientific Meeting flyer below. We hope to see you at the meeting virtually!



The flyer features a background image of laboratory glassware. At the top left is the ACS logo with the tagline "Chemistry for Life®". To the right, the text reads "American Chemical Society Midland Section 2020 Fall Scientific Meeting". The main title "Sticking with Chemistry" is in a large, bold, blue font. Below it, "Virtual Meeting, October 10th, 2020" is highlighted in yellow. A line of text states "Details of the virtual format will be updated on [www.midlandacs.org](http://www.midlandacs.org)". Two registration and submission deadlines are listed in yellow boxes: "Registration \* Follow the Sign Up Genius Link at <http://www.midlandacs.org/> \* Deadline: September 11, 2020" and "Submission \* Please Submit Title & 300 Word Abstracts to [acsfallsubmits@gmail.com](mailto:acsfallsubmits@gmail.com) \* Deadline: September 4, 2020". The bottom section contains four images: a person in a lab coat holding a catalyst, a honeycomb pattern, a person in a lab coat working with a tube, and a Mercedes-Benz car. At the bottom, it says "Sponsored by ACS Midland Section and SVSU Chemistry Club".

**ACS**  
Chemistry for Life®

American Chemical Society Midland Section  
**2020 Fall Scientific Meeting**

# **Sticking with Chemistry**

**Virtual Meeting, October 10th, 2020**

Details of the virtual format will be updated on [www.midlandacs.org](http://www.midlandacs.org)

Registration \* Follow the Sign Up Genius Link at <http://www.midlandacs.org/> \* Deadline: **September 11, 2020**

Submission \* Please Submit Title & 300 Word Abstracts to [acsfallsubmits@gmail.com](mailto:acsfallsubmits@gmail.com) \* Deadline: **September 4, 2020**

Sponsored by ACS Midland Section and SVSU Chemistry Club

Story Quest Children's Science Event, October 17 & 18  
Gina Malczewski, Outreach Committee, Midland Section ACS



PRESENTED BY  
Creative 360  
MIDLAND CENTER FOR THE ARTS

Join us at Creative 360  
1517 Bayliss St,  
Midland, MI  
for

# Story Quest

OCT 17 & 18 *Let the Adventure Begin!*

IN PARTNERSHIP WITH:  
ACS Local Section Midland  
Children's Grief Center  
The Arc  
ELITE  
LEARN TO PRINT

*A journey involving six interactive stops celebrating children's literature, with activities from art to science.*

Call **989-837-1885** or register online to get your starting time slot. \$40 per group (up to 6).  
After you register, you'll get a specific appointment time within the hour you chose.

**MASKS REQUIRED; social distancing will be enforced.**

<https://becreative360.org/2020/09/21/storyquest-let-the-adventure-begin/>

<https://becreative360.org/2020/09/21/storyquest-let-the-adventure-begin/>

## Central Regional Meeting Update

*CERM 2020 Organizing Committee, American Chemical Society*

CERM 2020 has been postponed beyond November and will potentially take place in May or June 2021. The dates are still to be determined.

The health and well-being of our members, attendees, and staff is paramount. As a result of the rapidly changing situation related to the spread of and recovery from the Coronavirus pandemic (COVID-19), we are rescheduling the [2020 Central Regional Meeting](#) (CERM).



We will continue to monitor and follow the state and national government safety guidelines to keep everyone safe. Thank you for your patience as we continue to "Plan with Optimism and Decide with Science" in approaching the rescheduled event.

Please visit the [Central Regional Meeting website](#) for additional information, or reach out to us directly by e-mail at [reglmtgs@acs.org](mailto:reglmtgs@acs.org) for any questions.

### Halloween Bash at MCFTA, October 31

*Gina Malczewski, Outreach Committee, Midland Section ACS*

**CELEBRATE FALL at the Midland Center for the Arts**



Come in costume and do some trick-or-treating!

Enjoy ghoulish science demonstrations and stations, too!

**Tickets are available for purchase every half hour (\$7/person) to allow for social distancing, so choose a time that works for you. Spots are limited. Order early to get your preferred time slot**

**All ages are welcome! MASKS ARE REQUIRED.**

<https://facebook.com/events/s/halloween-bash/4511393342236479/?ti=icl>

<https://facebook.com/events/s/halloween-bash/4511393342236479/?ti=icl>

## **Chemistry Books Available, Free to a Good Home**

***John Roy, Retired Midland Area Chemist***

Upon my retirement, I have three banker storage boxes of chemistry books in good condition that I would like to donate to someone who can use them, or to a university chemistry department. Two boxes are of organic chemistry books, and one box is of physical chemistry books (see the list of authors and titles below). I have 11 volumes of Fieser and Fieser in the organic chemistry collection.

The books are in excellent condition, and all of the books were published in the late 1970s or early 1980s when I was doing organic/physical chemistry in graduate school. Once in Midland, my attention turned to analytical chemistry.

Let me know if you are interested, and I will make the arrangements to get these books delivered to you. Feel free to contact me on my cell phone (989-708-7267) or by e-mail ([johnroy@chartermi.net](mailto:johnroy@chartermi.net)). Thank you.

### **Organic Chemistry Books**

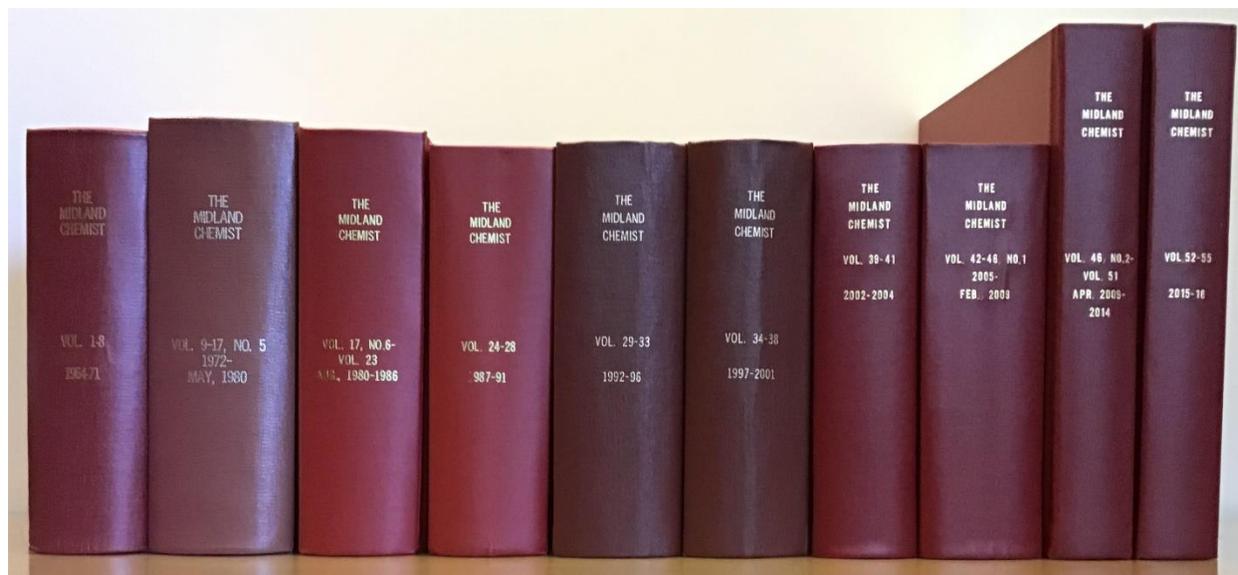
- Fieser and Fieser, "Reagents for Organic Synthesis," Volumes 1 through 11
- "Organic Syntheses," Collective Volumes 1 through 5, with Cumulative Indices
- Carey and Sundberg, "Advanced Organic Chemistry," Part A and Part B
- House, "Modern Synthetic Reactions"
- George Odian, "Principles of Polymerization, Second Edition
- W. Carruthers, "Some Modern Methods of Organic Synthesis"
- Theodora Greene, "Protective Groups in Organic Synthesis"
- Stuart Warren, "Organic Synthesis, The Disconnection Approach," plus Workbook
- Alan Bassindale, "The Third Dimension in Organic Chemistry"
- Kurt B.G. Torsell, "Natural Product Chemistry, A Mechanistic and Biosynthetic Approach to Secondary Metabolism"

### **Physical Chemistry Books**

- Messiah, "Quantum Mechanics," Volumes I and II
- Karplus and Porter, "Atoms and Molecules"
- Cotton, "Chemical Applications of Group Theory"
- Atkins, "Molecular Quantum Mechanics"
- Richard Liboff, "Introductory Quantum Mechanics"
- Melvin Hanna, "Quantum Mechanics in Chemistry"
- Harris and Bertolucci, "Symmetry and Spectroscopy, An Introduction to Vibrational and Electronic Spectroscopy"
- Jeffrey Steinfeld, "Molecules and Radiation: An Introduction to Modern Molecular Spectroscopy"
- Orchin and Jaffe, "Symmetry, Orbitals, and Spectra"

## In Past Issues of *The Midland Chemist*

Wendell L. Dilling, Director and Historian, Midland Section ACS



From these volumes . . .

**50 Years Ago**, *The Midland Chemist* **1970**, 7, No. 7, 10.

In *Nixon for ACS President, Campaign Underway*: “The California ACS section has a grass roots movement going to seat Dr. Alan C. Nixon as Pres.-elect in 1971. Dr. Nixon has served that section in many capacities, and has chaired the Cal. Employment Committee for seven years. He will campaign on the basis that the Society’s first responsibility is to its membership. Copies of his views are available from the M. C. editors or Jack Mills, Larkin Lab., Dow.”

**40 Years Ago**, *The Midland Chemist* **1980**, 17, No. 8, 2 of insert.

In *1980 ACS Fall Scientific Meeting* by James W. Edmonds, General Chairman, 1980 ACS Fall Scientific Meeting: “The meeting will close with a special feature: Invited technical talks on important areas of chemistry that local section members might not normally get to hear. We are pleased to be able to have Dr. Michael Berry of Rice University speak on Laser Chemistry, and Dr. Gary Wilson of the University of Rochester speak on Recombinant DNA research.”

**30 Years Ago**, *The Midland Chemist* **1990**, 27, No. 6, 3 of insert.

In *1990 Fall ACS Scientific Meeting, Chemical Exposition*: “The Chemical Exposition will be located in the cafeteria. At the time of printing, the following vendors have indicated their support of this meeting: American Chemical Society, Brinkmann Instruments, Inc., Dow Chemical – CAMILE\* Products, Dow Chemical – Simusolve®, Gilson Medical Electronics, Inc., Hewlett-Packard, Inacomp Computer Center, Mettler Instruments Corp., Midland Computer Shoppe, Midland Toastmasters, S.A.M.P.E., Scott Specialty Gases, Toledo Scale, Varian Associates, Wyse Glass Specialties, Inc., \*Trademark of The Dow Chemical Company.”

**20 Years Ago**, *The Midland Chemist* **2000**, 37, No. 7, 1.

In *Fall Scientific Meeting, The Midland Section's Premier Event* by Wendell Dilling, Chair, ACS Midland Section: "Of all the events held each year by the Midland Section, the Fall Scientific Meeting (FSM) is the largest and probably the most important to our members. This year, on Saturday, October 28, the Section will hold its 56th such meeting. FSM General Chairman Fred Vance of The Dow Chemical Company and his committees have been hard at work to provide an outstanding meeting for you. The meeting will include several symposia, poster papers, keynote address, panel discussion, presentation of three Section awards, and lots of food (breakfast and lunch). The keynote speaker will be Dr. Attila Pavlath, president-elect of the ACS and a somewhat controversial figure in the area of professional relations in the national ACS for many years."

**10 Years Ago**, *The Midland Chemist* **2010**, 47, No. 5, 3.

In *Science Day Combines FSM and SciFest at CMU, Fall Scientific Meeting and SciFest, November 6, 2010, Central Michigan University* by Mary Tecklenburg, 2010 FSM Committee Chair: "The Fall Scientific meeting (FSM), the premier scientific technical meeting put on by the Midland Section, will be offered in combination with SciFest on November 6, 2010 at Central Michigan University in Mount Pleasant. Our theme this year is *Making Stuff: The Science of Materials*. The technical meeting will offer attendees exciting talks on new developments in nanomaterials and biomaterials, posters on all areas of chemistry and materials related research, and a workshop on speaking with the media at the WCMU studios. A new offering this year is a science mini-camp for kids, freeing parents to attend the technical meeting while their children are having fun with science. For information on FSM and registration go to <http://midlandacs.org/index.php?page=fsm-home>."

## Upcoming Dates, Events, and Other Updates

- October 5 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting October 2020](#), phone number: 989-633-1166.
- October 10 (Time TBD) – 2020 Midland Section ACS Virtual Fall Scientific Meeting. Meeting theme: *Sticking with Chemistry*. For any questions, please contact Anirudha Banerjee, 2020 Fall Scientific Meeting Chair, at [fallscimeeting@midlandacs.org](mailto:fallscimeeting@midlandacs.org).
- October 17-18 (by appointment) – Story Quest at Creative 360, 1517 Bayliss Street, Midland. Interactive event celebrating children's literature, with art and science activities. See flyer in this newsletter. Tickets are \$40 per group of up to six participants. Call 989-837-1885 to register, or register online at <https://becreative360.org/2020/09/21/storyquest-let-the-adventure-begin/>.
- October 20 (7:00 PM) – MSU St. Andrews Family Astronomy Night via Zoom. See flyer in this newsletter. Join us: <https://standrews.msu.edu/2020/09/11/family-astronomy-night-3/>.
- October 31 (10:00 AM – 3:00 PM) – Halloween Bash at Midland Center for the Arts, 1801 W. Saint Andrews Rd, Midland. Trick-or-treating and science demonstrations. See flyer in this newsletter. Tickets are available for every half hour, \$7 per person. Choose registration time and order tickets early at <https://facebook.com/events/s/halloween-bash/4511393342236479/?ti=icl>.
- November 1 (11:59 PM EST) – **Deadline for election of 2021 Midland Section ACS Officers and Board.** Voting will start October 11, 2020 and will close November 1, 2020. Watch your email for a ballot.

- November 2 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting November 2020](#), phone number: 989-633-1166.
- November 17 (7:00 PM) – MSU St. Andrews Family Astronomy Night via Zoom. Join us: <https://standrews.msu.edu/2020/09/11/family-astronomy-night-3/>.
- December 7 (7:00 – 8:00 PM) – Midland Section ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting December 2020](#), phone number: 989-633-1166.
- December 8 (7:00 PM) – MSU St. Andrews Family Astronomy Night via Zoom. Join us: <https://standrews.msu.edu/2020/09/11/family-astronomy-night-3/>.
- May/June 2021 (Dates TBD) – 2020 ACS Central Regional Meeting, Columbus, OH. CERM 2020 has been postponed and will potentially take place in May or June 2021. The dates are still to be determined. For more information, please see [https://cerm2020.org/?sc=200226\\_mtg\\_em\\_regional\\_CERM\\_od](https://cerm2020.org/?sc=200226_mtg_em_regional_CERM_od).

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