

THE MIDLAND CHEMIST

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Announcing Venue Changes for November and December ACS Board Meetings

Jaime Curtis-Fisk, Chair, Midland Section ACS



We are going to mix things up a bit and plan to hold the next couple of Midland Section ACS Board meeting at locations other than the Board Room of the Midland Center for the Arts.

Our next Board meeting, on Monday, November 7, will be held at QuadSil, Inc. (210 Arrow Cove Court, Midland). John Blizzard has graciously agreed to host us that evening, and our Board meeting will begin at 7:00 PM. Drinks and light snacks will be provided, but feel free to bring your own as well if you have any special preferences.

The agenda for the November Board meeting will primarily focus on a group discussion of the progress we have made toward implementing the new local section strategic plan, if there are aspects of the plan that we may need to adjust, and how to keep the momentum going toward working more strategically in the future. We have already heard many great updates this year on specific goals, so the intent of this month's discussion will not be on specific updates but instead a review of our overall direction. This will then lead into a discussion on planning events and initiatives for 2017.

Next month, on Monday, December 5, our Board meeting will be held in downtown Midland in the Meeting Room at Pizza Sam's (102 West Main Street, Midland), beginning at 7:00 PM. As always, the Board meeting will be open to anyone who would like to attend.

To celebrate a great year and to recognize the commitment and dedication of our local section leaders, we also will be hosting a dinner for all Midland Section ACS board members and committee chairs at Pizza Sam's, preceding the December Board meeting, and beginning at 6:00 PM. Pizza, breadsticks, and salad will be provided. Please RSVP to me at jcurtisfisk@dow.com if you plan to attend, so that we can plan the meal order accordingly. Thank you.

Glow Night Event at MCFTA, November 14

Gina Malczewski, Past Chair and Outreach Committee, Midland Section ACS

Join us as the **Midland Section of the American Chemical Society** presents:



The poster for the Glow Night event features a black background with vibrant, glowing circular patterns in green, yellow, and purple at the top corners. The title "GLOW NIGHT" is written in large, bold, glowing green letters. Below it, the tagline "Celebrating all things that luminesce!" is in a smaller, glowing yellow font. The event details are listed in glowing yellow text: "WHERE: Midland Center for the Arts, 1801 W. St. Andrews Rd., Midland, MI 48640" and "WHEN: 7:00-8:30 pm, Monday, November 14, 2016". A pink banner with white text reads "Wear something that glows in the dark and get a prize!!". On the left, an orange box contains the text "FEATURED SPEAKER Dr. Greg Colores, Associate Professor of Biology Central Michigan University" and "LIT UP LIFE: Organisms and Luminescence" next to a small photo of Dr. Colores. To the right, a yellow starburst graphic says "FREE and open to the public!". Below this, there are images of glowing organisms like jellyfish and a glowing fish, with the text "Learn about fluorescence and phosphorescence! Activities with things that glow- in-the-dark". At the bottom, a green banner with black text states "Space is limited. Reservations required. Call MCFTA at 989-631-8250".

GLOW NIGHT
Celebrating all things that luminesce!

WHERE: Midland Center for the Arts
1801 W. St. Andrews Rd., Midland, MI 48640

WHEN: 7:00-8:30 pm, Monday, November 14, 2016

Wear something that glows in the dark and get a prize!!

FEATURED SPEAKER
Dr. Greg Colores,
Associate Professor of Biology
Central Michigan University
"LIT UP LIFE:
Organisms and
Luminescence"

**FREE and open
to the public!**

Learn about fluorescence
and phosphorescence!
Activities with things
that glow- in-the-dark

Space is limited. Reservations required. Call MCFTA at 989-631-8250

Election of the 2017 Board of the Midland Section ACS

Wenyi Huang, Chair, Nominations & Elections, Midland Section ACS

Electronic voting to elect the 2017 Board of the Midland Section of the ACS is now open. Here is a list of candidates for the open Board positions:

Open Positions	Candidates
Chair-elect (1-year term)	Wenyi Huang
Secretary (1-year term)	Kshitish Patankar
Treasurer (1-year term)	Michelle Rivard
Chair, Nominations & Elections (1-year term)	Wendy Flory, Amit Chaudhary
Councilor (3-year term)	Tina Leaym
Alternate Councilor (3-year term)	Steven Keinath
Directors (3 open positions, 3-year terms)	Wendell Dilling, Regina Malczewski, Aswini Dash

You may access the electronic ballot through one of the following links:

- Midland Section ACS website: <http://www.midlandacs.org/2017-election/>
- Survey Monkey website: <https://www.surveymonkey.com/r/YWXSXXS>

Please note that each Midland Section ACS member may vote only once. By entering a member number and submitting your ballot, you are certifying under penalty of fraud that the inputted member number is your member number, and that you are voting freely and on your own behalf. In order to vote, you must be a member or associate member in good standing with the ACS. Affiliates are ineligible to vote according to National ACS Bylaws. Vote for the candidate of your choice, selecting one for each office except Director, and three for Director. Click "Submit" on the last page of the candidate profiles to cast your vote.

Your member number is for verification of voter eligibility only, and will be removed from each ballot prior to the counting of votes in order to ensure voter anonymity. Your ACS member number is located on your membership card and on the mailing label of your copy of *Chemical & Engineering News*. Your membership number will be either the first seven or eight numbers on your mailing label, invoice, or receipt. If you have trouble finding your member number or encounter any other difficulty in voting, please contact Wenyi Huang (Chair, Nominations & Elections, 2016) at whuang1@dow.com or Jaime Curtis-Fisk (Midland Section ACS Chair, 2016) at JLCurtisFisk@dow.com.

Voting ends on November 23, 2016 (Wednesday) at 11:59 PM EST.

Beata Kilos Recognized with 2017 WCC Rising Star Award

Jaime Curtis-Fisk, Chair, Midland Section ACS

The Midland Section of the American Chemical Society is proud to announce that Beata Kilos has been selected as a recipient of 2017 Women Chemists Committee (WCC) Rising Star Award. This National ACS

award recognizes exceptional early to mid-career women chemists. We are proud that one of our members, and the chair of our local section Women Chemists Committee, has been chosen for this honor. This recognition reflects Beata's personal accomplishments and serves to strengthen the reputation and momentum of the Midland Section ACS and the Women Chemists Committee.



Beata's commitment to the community, to her profession, and to women in science are clearly evident in her many accomplishments. Beata's technical impact began with her doctoral research in Chemistry at Adam Mickiewicz University where she studied the synthesis and characterization of mesoporous molecular sieves and their function as oxidation catalysts to form olefins from paraffins via less energy intensive processes. The European Union recognized her accomplishments with the prestigious Marie Curie and Leonardo da Vinci fellowships, allowing her to train at the *Institut de Recherches sur la Catalyse et l'Environnement de Lyon* (IRCELYON), in Villeurbanne, France.

Beata continued her development and technical contributions when awarded a joint appointment as a postdoctoral fellow with the eminent catalysis experts Professors Enrique Iglesia and Alexis Bell in Chemical Engineering at the University of California at Berkeley and the Lawrence Berkeley National Laboratory. There, she led an ambitious project to develop new catalysts for selective formation of aldehydes and acids from widely-available and potentially biomass-derived alcohols in order to reduce the impact of petrochemicals on global warming and the release of greenhouse gases.

Following a successful post-doctoral experience, Beata joined the Core Research & Development organization at The Dow Chemical Company where she is currently an Associate Research Scientist focusing on the discovery of novel heterogeneous catalysts enabling the utilization of alternative feedstocks and environmentally-benign processes for the chemical industry. Beata's technical accomplishments are represented by 22 peer reviewed publications, 10 patents and patent applications, and over 50 presentations of her research.

Beata's contribution to the chemical community stretch beyond technical advancement and are also represented by her leadership roles in several professional organizations. Holding several officer positions in the Michigan Catalysis Society, including President and Director, Beata was instrumental in promoting catalysis efforts in the state, helping to organize several highly-attended symposia. Beata's contributions to the Mid-Michigan chemical community continue via her work as Director of the Midland Section of the ACS. At the national level, Beata served on the organizing committee for the 22nd NAM Meeting in Detroit, raising a record amount of funds to make this event a huge success. She also has chaired multiple symposia, including two sponsored by the ACS Division of Catalysis Science and Technology in 2015-2016. At the global level, Beata is a member of the organizing committee that recently prepared an outstanding bid to host the 2020 International Congress on Catalysis (ICC) in San Diego. If successful, this will herald the return of the ICC to North America for the first time since 1996.

Beata's accomplishments are extended through the laboratory, where she promotes chemical education and development of the next generation of scientists. For example, Beata hosts mentoring meetings with children from grade-school age upward to promote the benefits of STEM education and to highlight the potential of careers in science. As part of her efforts managing a large joint research program with Northwestern

University, Beata has taken considerable time to mentoring the five students that are a part of her program. This mentorship has shown through in the accomplishments of the students. For example, two of her students have received best-paper awards, and three have received best-poster awards.

A key aspect of Beata's service to the scientific community is her passionate commitment to promoting diversity and inclusion. She has devoted countless hours to these efforts, and the fruits of this investment are already showing through on multiple successful initiatives. For example, Beata was one of the key leaders in initiating the Women Chemists Committee of the Midland Section ACS and currently serves as the chair of that organization. This committee has hosted several events to promote scientific careers for women, most recently hosting an inspirational seminar and dinner with Professor Jacqueline Barton from the California Institute of Technology. She also promotes similar initiatives within Dow Chemical. For example, Beata was a founding member of and currently chairs GROW (Growing R&D Opportunities for Women).

On behalf of the Midland Section of the ACS, I'd like to extend my warmest congratulations to Beata Kilos, the Chair of our local section Women Chemists Committee, on her accomplishment and for serving as a strong representative of our organization.

Announcing a Joint AIChE–ACS Seminar, November 15

Pat Smith, Director, Midland Section ACS

Two-Dimensional Correlation Spectroscopy and Development of Novel Bioplastics, Nodax™



Speaker: Dr. Isao Noda

Affiliated Professor, Department of Materials Science and Engineering, University of Delaware, Newark, DE 19716, and Chief Science Officer and Senior Vice President, Innovation, MHG, Inc., 140 Industrial Blvd., P.O. Box 7965, Bainbridge, GA 39818

- Date: Tuesday, November 15, 2016
- Time: 6:00 pm - Social (light refreshments), 7:00 pm - Seminar
- Location: MSU STEM Center (formerly MMI), 1910 West St. Andrews Rd., Midland

Two-dimensional (2D) correlation spectroscopy is a versatile spectral data analysis technique which has gained wide popularity over the last 25 years in both academic and industrial laboratories. It is used in many different fields, including inorganic and organic chemistry, life science and medicine, as well as polymer and materials science applications. In 2D correlation spectroscopy, spectral maps defined by two independent variables, e.g., IR wavenumbers, are generated by applying a complex cross correlation analysis to the variations in spectral intensities induced by an external perturbation, such as temperature, pressure, concentration, or electromagnetic field.

Notable features of 2D correlation spectra are: simplification of complex spectra consisting of many overlapped peaks, enhancement of spectral resolution by spreading peaks over the second dimension, and

establishment of unambiguous assignment through correlation of bands selectively coupled by various interaction mechanisms. Some of the interesting applications of 2D correlation spectroscopy will be briefly presented to show its utility.

2D correlation spectroscopy has played a key role in the materials development effort in my laboratory, especially in the molecular design and characterization of a novel class of bio-based and fully biodegradable plastics, which is now being commercialized by MHG, Inc. in Bainbridge, GA under the trade name of *Nodax*[™]. MHG's *Nodax*[™] belongs to a very interesting class of aliphatic polyesters called poly(hydroxyalkanoates) or PHAs, which are found as intracellular inclusion bodies in various microorganisms. Certain microbes accumulate PHAs as an energy storing medium, and many types of PHAs are known.

Because they are made by bacteria, PHAs are fully biodegradable under the right conditions. However, most PHAs known in the past unfortunately had serious shortcomings in their physical properties, thus limiting their becoming a useful material. 2D correlation spectroscopy provided critical insight into a way to modify the molecular structure of PHA to make this class of biomaterials much more useful and inexpensive to become a viable replacement for conventional petroleum-based plastics. My talk will cover the earlier development of this exciting new bioplastic and subsequent fundamental scientific research carried out for PHAs using 2D correlation spectroscopy.

Scholarship Committee Update

Gina Malczewski, Scholarship Committee, Midland Section ACS

Each spring in March/April ACS scholarship applications administered through the Midland Area Community Foundation are reviewed. This past year, Ray Leenhouts, Gina Malczewski, and Paul Schroll worked on the selection process for scholarships awarded under the auspices of the Midland Section of the ACS. Six students applied in 2016, and the top three applicants were awarded scholarships of \$2,000 each.

We are hoping to increase our pool of applicants for the next cycle. To qualify, a student must major in a chemistry-related field, have graduated from high school in one of our five ACS member counties (Saginaw, Bay, Midland, Gratiot, or Isabella), and be successfully studying at a college or university in Michigan. The number of scholarships and the amounts awarded are based on the fund's financial status each year. Application opportunities for 2017 scholarships will open on December 1, 2016, and the details can be found at the Midland Area Community Foundation website at <http://www.midlandfoundation.org/>.

Paul Schroll is ending his tenure on the scholarship committee and we sincerely appreciate his excellent leadership over the past three years. Julie Villano, Assistant Principal at H.H. Dow High School, will assume the Scholarship Committee Chair duties beginning with the 2017 scholarship review process.

Increase Your Networking Potential Energy 2.0, November 18
Janice Tomasik, Women Chemists Committee, Midland Section ACS



Nov. 18, 2016

Increase Your Networking Potential Energy 2.0

Join us for speed networking

Whether you are a potential *mentor* (experienced individual who can advise & guide on potential career paths, areas of study, or life in general) **OR** a *mentee* (looking for said information), join us for a fast paced FUN evening of speed networking.

Questions: Janice Tomasik
tomasijh@cmich.edu



5:30 pm

Gathering for Mentees

Pre-game pointers by
(CMU Career Services)

6:00 pm

Reception

Mountain Town Brewing
Company

614 W. Pickard Road

Mount Pleasant

cash bar

6:15-7 pm

(Free Dinner)

Brew kettle buffet

7-8 pm

(Network Build)

5 min. "meeting" rotations

8 pm-?

(Team Trivia)

Prizes!

Register Now Do pre-survey by Nov. 15

<https://www.surveymonkey.com/r/VBBBKJ6>

Sponsored by: ACS Midland-WCC and
CMU Dept. of Chemistry & Biochemistry
Hosted by: ACS CMU student Members

ACS Team Trivia Event, November 18
Dale LeCaptain, Councilor, Midland Section ACS



Nov. 18, 2016

TEAM TRIVIA event

(more than science)

FREE to ACS members!

**Not a member?? Come check us out,
learn about ACS (Midland Section), and it's
FREE!**

8:00–10:00 pm

Mountain Town Brewing
Company

614 W. Pickard Road

Mount Pleasant

cash bar

Prizes!

*Hosted by: CMU ACS
Student Members*



ACS
Chemistry for Life®

Questions: dale.lecaptain@cmich.edu

Planning for 2019 Midland Section Centennial Exhibit, Opportunities for ACS Member Involvement *Wendell L. Dilling, Chair, Midland Section ACS Historical Exhibit Committee*

The Midland Section ACS Centennial Exhibit at the Herbert D. Doan Midland County History Center planned for 2019 is a very special occasion. It only happens once in a hundred years. Several Midland Section members have developed topics or have agreed to develop topics for this upcoming seven-month exhibit. Several other topics suggested by the planning committee need the help of additional members to develop them for the exhibit.

ACS members (present and past) who have or will develop topics and their topics are as follows:

- Bob Kohrman – Formation of the Midland Section and the early years, 1919-1922. Herbert H. Dow and the Midland Section, 1898-1930. William J. Hale, the founding of the Midland Section, and Edgar C. Britton, 1876-1952. Lists of Section Chairs, Chair-Elects, Secretaries, Treasurers, Councilors, and Alternate Councilors, 1919-2019.

- Lee Smith, V.A. Stenger, F.K. Voci, and E.L. Warrick – Some aspects of the history of the Midland Section, 1917-1994.
- Stan Klesney – Some aspects of the history of the Midland Section, 1919-1976.
- Wendell Dilling – History of the Fall Scientific Meeting, 1945-2019. Outstanding local section award plaques and trophies, 1973-2019.
- Thomas Lane – Copy of January 7, 1952, issue of *Chem. Eng. News* (Edgar Britton on cover as ACS President).
- Steve Keinath and Vickie Langer – History of *The Midland Chemist*, 1964-2019.
- Gina Malczewski – History of Midland Section Outreach, Students, and Kids and Chemistry programs.

Several other topics are yet to be developed. The Exhibit Committee has identified the following topics that should be included in the exhibit and need the help of additional members to develop them:

- Midland Section members who have served as ACS President or National Directors or been candidates for those offices (partially developed, 1937-2009).
- Central Regional ACS Meetings hosted by the Midland Section (partially developed, 1982-1994).
- Midland Section National Chemistry Week Celebrations (partially developed, 1987-1991).
- Impact of early Midland Section leaders on Midland and the world.
- How Midland Section members made the world better by their inventions and discoveries as documented by their awards and patents.
- Selected Midland Section leader's stories and related artifacts.
- Other selected significant Midland Section events.
- Photos of Midland Section officers, other members, and events.
- Original significant patents by Midland Section members.
- Other personal and Midland Section ACS awards or mementos.
- Notebook or personal journal excerpts about the Midland Section or technologies developed by Midland Section members.
- Other items related to Midland Section history in which you have a special interest.

Extensive archives of the Midland Section ACS are available in the Clarke Historical Library at Central Michigan University and are available for research.

Please contact the author (dilli1wl@cmich.edu or 989-631-1621) with questions, or to volunteer for one or more of these topics.

Wine, Cheese, and Chocolate Networking with WCC and GLAD, December 8

Vennesa Williams, Women Chemists Committee, Midland Section ACS



Come enjoy some wine, cheese, and chocolate hosted by the ACS Midland Section's Women Chemists Committee (WCC) and the GLAD Network, at The Gourmet Cupcake Shoppe and Green Gourmet Café.

All friends and family are invited to share in this evening of networking and fun.

- Date: Thursday, December 8, 2016
- Time: 6:30 – 8:00 PM
- Location: The Gourmet Cupcake Shoppe and Green Gourmet Café, 1908 South Saginaw Road, Midland



Feel free to bring your own favorite wine, cheese, or even chocolate, and we will show you what to pair it with. Contact Vennesa Williams at vowilliams@dow.com for more information or for any questions.

Call for Nominations for 2017 ACS Fellows Program

Diana Deese, Chair, Midland Section ACS Awards Committee

"... a fellow is a member of a group of learned people who work together as peers in the pursuit of mutual knowledge or practice ..." Wikipedia

As Chair of the Midland Section ACS Awards Committee, I would like to make everyone aware of the ACS Fellows Program.

Although the "Fellow" designation has been adopted by many professional societies, the criteria for awarding this designation vary significantly from society to society. The ACS Fellows Program uniquely recognizes a different standard of achievement and service. Specifically, the Fellow of the American Chemical Society (ACSF) designation is awarded to a member who, in some capacity, has made exceptional contributions to the science or profession **and** has provided excellent volunteer service to the ACS community.

The purpose of the ACS Fellows Program, one component of the broader ACS Awards Program, is to recognize and honor members of the American Chemical Society for their outstanding achievements in and contributions to the science and the profession **and** for their equally exemplary service to the Society.

A. Nominees

1. Nominees for ACS Fellows must be current members (including retired and emeritus members) in good standing of the American Chemical Society.
2. Current members of the Fellows Selection Committee, Fellows Oversight Committee, ACS Board of Directors, and current ACS staff are not eligible to be nominees.
3. Former members or deceased members will not be considered as nominees for ACS Fellows. However, if a member dies after his/her name is submitted as a nominee and if that candidate is selected, he/she will be granted the Fellow designation posthumously.
4. Nominees, in past and present circumstances, are expected to employ and require good safety protocols and practices in their laboratories and/or work environments; uphold the highest ethical standards in their laboratories and/or work environments; and otherwise adhere to the Chemical Professional's Code of Conduct. Nominators must address this in the online nomination form.
5. Nomination for other awards, including national, regional, or local ACS awards, does not disqualify a member from being nominated for ACS Fellow.

B. Nominators

1. Primary and secondary nominators must be current members (including retired and emeritus members) in good standing of the American Chemical Society.
2. Current members of the Fellows Selection Committee, Fellows Oversight Committee, ACS Board of Directors, and current ACS staff are not eligible to be primary or secondary nominators.
3. The primary nominator must be eligible to submit as an individual member or on behalf of a Committee, Local Section, or Technical Division. Refer to the Nomination Types section for specific eligibility requirements for primary nominators.
4. No more than one of the nominators (primary or secondary) may be from the same work group at the nominee's primary place of employment. If the nominee is retired, only one nominator (primary or secondary) may be from the nominee's last place of employment prior to retirement.
5. Refer to the Nomination Types section for guidelines about serving as a nominator for more than one nomination.

For more information, see <https://www.acs.org/content/acs/en/funding-and-awards/fellows.html>

The Midland Section of the ACS is allowed two (2) nominations for ACS Fellow per year. If you know of someone who fits the criteria, or if you would like to nominate yourself, and would like to work with me to put together a nomination package, please contact me at dkdeese@dow.com.

As the deadline for National ACS Fellow nomination submissions is around the first of April, I need to have packets completed and sent back to me by February 1, 2017. There will be one thousand and one excuses that will pop up between now and February, ... so let's get started now!

Support Needed for Science Clinics in Guatemala in 2017

Gina Malczewski, Past-Chair, Midland Section ACS

As follow-up to an ACS grant-based initiative to bring science to a school in Santa Avelina, Guatemala, last January, a small team is headed back early next year. Not only are we focusing on training HELPS-based (preK-6) school teachers to present the most curriculum-relevant experiments, but an additional local school

and a neighboring adult institute will send teachers to learn how to bring hands-on learning to the Mayan population in the Ixil Triangle. These indigenous peoples were decimated by the 36-year-long civil war that ended in 1996, and they are very receptive to educational opportunities and agronomy assistance. We are also investigating an opportunity to provide a workshop at Universidad del Valle de Guatemala on the same trip.

HELPS International is a Texas-based non-religious organization with programs that bring medical, educational, and agricultural support to this area in a way that requires commitment by the recipients. HELPS also sponsors teams that build energy-efficient stoves and install water filters in the homes of families that pay based on their abilities.

If you are interested in supporting this effort financially, please send a donation to the **HELPS Science Fund** at the **Midland Area Community Foundation** (76 Ashman Circle, Midland, MI 48640). Any and all contributions are helpful. We will be purchasing science equipment like vials and graduated cylinders, thermometers and stopwatches, while also instructing with locally-available inexpensive items. All funds will go toward supply costs.

I am happy to send pictures and a small summary after the trip to anyone who would like to know more about the results of this effort. And, I am very happy to answer any questions that you may have. Please contact me at reginamalczewski@gmail.com.



ACS Vote 2020 Task Force Seeks ACS Member Input

Tom Lane, Ex Officio Director, Midland Section ACS



COMMITTEE ON NOMINATIONS AND ELECTIONS VOTE 2020 Task Force

The ACS Vote 2020 Task Force has been charged with:

- **Communicating** with Society stakeholders to seek input on what is working well, and what needs to be improved, in the process to elect the national leadership of the Society;
- **Seeking input** on modern methods of running elections that could be incorporated in the Society's national election processes; and
- **Establishing** and presenting to the Committee on Nominations and Elections a comprehensive set of proposals by Spring, 2017.

WE INVITE COMMENTS ON:

- Aspects of the current ACS National Election process that you like the most.
- One major change that you would like to see about the ACS National Election process.
- What you like about how other organizations and groups to which you belong (or have heard about) elect their leaders.
- What you expect to be different in the ACS National Election process in the future.

SEND YOUR THOUGHTS AND IDEAS TO: Vote2020@acs.org

Upcoming Dates, Events, and Other Updates

- November 7 (7:00 – 9:00 PM) – ACS Board meeting, QuadSil, Inc., 210 Arrow Cove Court, Midland (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#. **Please note the change of venue from MCFTA to QuadSil.**
- November 14 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- November 14 (7:00 – 8:30 PM) – *Glow Night* event, sponsored by the Midland Section of the ACS, Midland Center for the Arts, Midland. Reservations are required and space is limited, so please call the MCFTA at 989-631-8250 as soon as possible to reserve your seat for this event. For more information or any questions, please contact Gina Malczewski at reginamalczewski@gmail.com.
- November 15 (6:00 – 8:00 PM) – Joint AIChE–ACS seminar, *Two-Dimensional Correlation Spectroscopy and Development of Novel Bioplastics, Nodax™*. Speaker: Dr. Isao Noda, Affiliated Professor, Department of Materials Science and Engineering, University of Delaware, and Chief Science Officer and Senior Vice President, Innovation, MHG, Inc. Time: 6:00 PM - social (light refreshments), 7:00 PM - seminar. Location: MSU Stem Center (formerly MMI), 1910 West St. Andrews Road, Midland.

- November 18 (5:30 – 8:00 PM) – *Increase Your Networking Potential Energy Energy 2.0*, Mountain Town Brewing Company, 614 West Pickard Road, Mount Pleasant, 5:30 PM - mentee gathering, 6:00 PM - reception, 6:15 PM - free dinner, 7:00 PM - network building. **Pre-registration and a pre-survey must be completed by Tuesday, November 15** (see <https://www.surveymonkey.com/r/VBBBKJ6>). For more information or any questions, please contact Janice Tomasik at tomas1jh@cmich.edu.
- November 18 (8:00 – 10:00 PM) – Follow-on *ACS Team Trivia* event, Mountain Town Brewing Company, 614 West Pickard Road, Mount Pleasant. For more information or any questions, please contact Dale LeCaptain at dale.lecaptain@cmich.edu.
- November 23 (11:59 PM EST) – **Deadline for voting for 2017 Board of the Midland Section ACS**. To vote, please go to the Midland Section ACS website at <http://www.midlandacs.org/2017-election/>, or to the Survey Monkey website at <https://www.surveymonkey.com/r/YWXSXXS>. For any questions, please contact Wenyi Huang, Chair, Nominations & Elections, at whuang1@dow.com.
- November 28 – RSVP deadline to attend the Midland Section ACS year-end thank you dinner (for 2016 board members and committee chairs only please). To RSVP, please contact Jaime Curtis-Fisk at jlcurtisfisk@dow.com.
- December 1 – Application opportunities open for 2017 Midland Section ACS scholarships. Details can be found at the Midland Area Community Foundation website at <http://www.midlandfoundation.org/>.
- December 5 (6:00 – 7:00 PM) – Thank you dinner (preceding the ACS Board meeting) for Midland Section ACS board members and committee chairs, Pizza Sam's, 102 West Main Street, Midland. If you plan to attend, please RSVP by November 28 to Jaime Curtis-Fisk at jlcurtisfisk@dow.com so that we can plan the meal order accordingly.
- December 5 (7:00 – 9:00 PM) – ACS Board meeting, Pizza Sam's, 102 West Main Street, Midland (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#. **Please note the change of venue from MCFTA to Pizza Sam's.**
- December 8 (6:30 – 8:00 PM) – *Wine, Cheese, and Chocolate Networking* event with WCC and GLAD, Gourmet Cupcake Shoppe and Green Gourmet Café, 1908 South Saginaw Road, Midland. For more information or for questions, please contact Vennesa Williams at vowilliams@dow.com.
- December 12 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- January 9 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- January 9 (tentative date) (7:00 – 9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- February 1 – **Deadline for National ACS Fellow nomination packages to be sent to Diana Deese**, Chair, Midland Section ACS Awards Committee. For more information or any questions, please contact Diana Deese at dkdeese@dow.com.
- February 6 (tentative date) (7:00 – 9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.

- February 13 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- March 6 (tentative date) (7:00 – 9:00 PM) – ACS Board meeting, MCFTA Board Room (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- March 13 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- April 2-6 – 253rd ACS National Meeting & Exposition, San Francisco, CA. For more information, see <https://www.acs.org/content/acs/en/meetings/spring-2017.html>
- April 10 (5:00 – 6:30 PM) – Midland Section ACS 100th Anniversary Celebration planning team meeting, MSU STEM Center (1910 West St. Andrews Road, Midland). For more information, or to volunteer, please contact Michelle Cummings at michelle.cummings@dowcorning.com or 989-496-4672.
- April 10 (tentative date) (7:00 – 9:00 PM) – ACS Board meeting, Dow Science Building, Central Michigan University (in person), or via a WebEx conference call connection at [Midland Section WebEx Board Meeting](#), phone number: 866-299-7945, participant code: 9837036#.
- June 7-9 – 2017 Central Regional Meeting (CERM 2017), Detroit, MI. For more information, see <http://acscerm2017.sites.acs.org/>
- August 20-24 – 254th ACS National Meeting & Exposition, Washington, DC. For more information, see http://www.chemistryviews.org/details/event/2351921/254th_ACS_National_Meeting_Exposition.html.

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