

# THE MIDLAND CHEMIST

A publication of the Midland Section of the American Chemical Society

November 2015, Vol. 52, No. 11

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## Chair Column

*Gina Malczewski, Chair, Midland Section ACS*



### The Circle That's Not Necessarily Silver

Our senior chemists (ACS Silver Circle) group is up and running – only it doesn't have to be just for seniors, and there are other minerals in the mix besides silver. Yes, we received a grant from the National ACS to start a group focused on the interests of “experienced” ACS members, but EVERYONE is invited to the upcoming kickoff event on Thursday, November 12 at 11:30 AM-12:45 PM at Creative 360 (1517 Bayliss Street, Midland) for a FREE LUNCH, to hear some speakers addressing ways to tap into this experience pool and utilize its members available free time, and a discussion about potential future group activities. As this volunteer group gets going, future programs will also likely be open to those of any age.

Mentoring and networking sessions (like the one being offered at CMU on November 13, see related article on p. 3 and information flyer on p. 4) are among the suggested activities for this group. Classes or field trips or neighborhood projects might also be of interest – as well as involvement in the upcoming 2019 Midland Section ACS centennial efforts. That year we will celebrate the GOLDEN anniversary of Central Regional Meetings, the DIAMOND jubilee of the first fully integrated polycrystalline silicon plant (established by Dow Corning in Hemlock), and the PLATINUM anniversary of the first introduction of Saran Wrap by Dow Chemical. We are all part of a rich history!

So join us at the kickoff event of our Silver Circle group on November 12, and help us consider new ways to celebrate each other and the ageless pursuit of chemistry. For more information or questions about the new Silver Circle group, please contact Gretchen Kohl at [gretchen.kohl@att.net](mailto:gretchen.kohl@att.net).

## Report on Midland Section ACS Strategic Planning Retreat

*Michelle Cummings, Past-Chair, and Tina Leaym, Councilor, Midland Section ACS*

Sincere thanks to all who completed the recent Midland Section survey conducted by the National ACS! The results were taken very seriously by a representative group of volunteers who donated a September weekend to develop a Strategic Plan for the Midland local section.

Professional ACS facilitators, Larry Krannich and Carol Duane, guided the group to craft a bold and audacious mission statement: ***Advancing chemical exploration, inquiry, and practice in the Great Lakes Bay Region and beyond.***

Next came the vision statement, and then three actionable goals were hammered out. These guiding principles were approved by the Midland Section's leadership at the October 5 Board meeting.

*Vision statement: Promote chemistry and improve public perception of science through innovation in research, education and career development for the benefit of our members and partners.*

- Goal 1: Double average member participation in section events *[Impact, high; Resources, Medium]*
- Goal 2: Annually provide relevant, innovative, technical programming that reaches a total number of participants equivalent to 30% of the total section membership. *[Impact, High; Resources, Medium]*
- Goal 3: Identify, create, and implement a differentiated strategy for public outreach that leverages existing resources. *[Impact, High; Resources, Medium-High]*

One might ask, "What is Strategic Planning?" In our context, it is defined as the disciplined, creative process for determining how to take the Midland Section from where it is today to where we want to go. The focused goals are designed so they can be accomplished over the next five years.

This promises to be an exciting journey for the Midland Section as we set out to accomplish our goals! Members are encouraged to get involved. Ask yourself, "Is there one area where you have interest around improving the effectiveness of our organization?" Please contact any member of the Midland Section leadership team with questions or comments.

The Strategic Planning Committee sincerely thanks Janet Smith for the time she spent coordinating the logistics of the weekend retreat event. The committee is also grateful to all members who contributed to the survey and the pre-work, and to those who participated in the Strategic Planning Retreat event itself. Participants were selected to maximize diversity of career level, career path, and ACS experience: Michelle Cummings, Diana Deese, Wendell Dilling, Steve Keinath, Anne Kelly-Rowley, Beata Kilos, Tom Lane, Tina Leaym, Dale LeCaptain, Gina Malczewski, Tamlin Matthews, Adam Warhausen, and Kevin Wier.



**Midland Section ACS Strategic Planning Retreat Participants  
September 12-13, 2015, Apple Mountain Resort, Freeland, MI**

Front row, left to right: Tamlin Matthews, Anne Kelly-Rowley, Michelle Cummings, Tina Leaym, Carol Duane, Tom Lane, and Larry Krannich. Middle row: Diana Deese, Wendell Dilling, Beata Kilos, Gina Malczewski, and Adam Warhausen. Back row: Dale LeCaptain, Steve Keinath, and Kevin Wier.

**Speed Networking Dinner Meeting Event, November 13**  
***Dale LeCaptain, Councilor, Midland Section ACS***

The Midland Section ACS Younger Chemists and Women Chemists Committees along with the CMU ACS student member group are co-sponsoring a free dinner meeting event entitled *Increase Your Network Potential Energy*. This event will be held at Mountain Town Brewing Company (614 West Pickard Road, Mount Pleasant) on Friday evening, November 13, 5:30 – 9:00 PM. Whether you are a potential mentor (an experienced individual who can advise and guide on potential career paths, areas of study, or life in general), or a mentee (a younger, earlier career individual who is open to what a mentor may offer), please join us for a fast-paced and fun evening.

This is a free dinner meeting event, but pre-registration is required and a pre-survey must also be filled out online no later than Tuesday, November 10. Please go to <https://www.surveymonkey.com/r/C3JSVP6>, and for more information or questions, contact Dale LeCaptain at [lecap1dj@cmich.edu](mailto:lecap1dj@cmich.edu).



# NOV. 13, 2015

## INCREASE YOUR NETWORK POTENTIAL ENERGY

### Join us for an evening of speed networking

Whether you are a potential mentor (experienced individual who can advise and guide on potential career paths, areas of study, or life in general) OR a mentee (open to what a mentor may offer). Join us for a fast paced and FUN evening!



questions: lecap1dj@cmich.edu

**5:30 (GATHERING)**  
**Mountain Town**  
**Brewing Company**  
**614 W Pickard Rd.**  
**Mt. Pleasant**

**6 - 7 PM**  
**(FREE DINNER)**  
**brisket, beans,**  
**slaw, veggie**  
**option, cash bar**

**7 - 8 PM**  
**(NETWORK BUILD)**  
**5 min. "meeting"**  
**rotations**

**8 pm - (TRIVIA)**  
**prizes!**

### **REGISTER NOW:**

Fill in the pre-survey by  
Tues. Nov. 10

<https://www.surveymonkey.com/r/C3JSVP6>

Sponsored by:

ACS Midland - YCC

ACS Midland - WCC

ACS-CMU Student Mem.



## Call for Volunteers: Putting your Skills to Practice

*Michelle Cummings, Past-Chair, Midland Section ACS*

The Midland Section of the ACS is seeking out individuals to start planning three different large and exciting events coming along in 2019. Our local section is embarking on **three historic milestones in 2019** – celebrating the **100<sup>th</sup> Anniversary of the Midland Section**, facilitating the **75<sup>th</sup> Anniversary of the Fall Scientific Meeting**, and hosting the **50<sup>th</sup> Anniversary of the Central Regional Meeting (CERM)**. These will be separate events with some level of coordination required between and among them. 2019 will be a momentous year that you will want to be a part of!

We are seeking individuals that would have some interest in one or more of the following general areas:

- Event Chair
- PR / Media
- Historical Writers
- National Historic Chemical Landmarks
- Fundraising / Grant Writing
- Meeting Logistics
- Awards / Recognition
- Finance / Treasurer
- Program
- Expositions
- Symposia

Why get involved? There is a vast range of benefits to helping organize large events such as these. This includes a great way and an opportunity to **collaborate and network** with other individuals in the local section and in the community at large. It allows you to demonstrate your **organizational leadership capabilities** outside of your immediate workplace. You will **develop or learn new skills** or **leverage existing skills**, and **boost your career options**.

We have a great group of people that want to work with you! So, plan to be a part of this exciting experience by contacting Michelle Cummings at [michelle.cummings@dowcorning.com](mailto:michelle.cummings@dowcorning.com).

## Central Michigan University Chemistry Department Seminars, Fall 2015

*Wendell Dilling, Director and Historian, Midland Section ACS*

Date	Speaker	Title	Host
November 16	Mary Ann Evans USGS Great Lakes Science Center, Ann Arbor, MI	The Physics, Chemistry, and Biology of Harmful Algal Blooms	LeCaptain
November 23	Zhiquiang Cao	TBA	Caruntu

All seminars will be held on Mondays at 4:00 PM in Dow 175 unless otherwise noted.

Please note that the speaker biographical information and presentation topic and abstract information is sometimes unavailable until just a few days prior to each of the scheduled seminars. For the very latest, most up-to-date information, please see <https://www.cmich.edu/colleges/cst/chemistry/Pages/seminars.aspx>.

If you have a disability and desire any assistive devices or services to participate in these research seminars, please contact Dr. Gabriel Caruntu (Phone: 989-774-3863 or Email: [carun1g@cmich.edu](mailto:carun1g@cmich.edu)) during normal business hours to discuss accommodations ten days prior to each event.

## Upcoming Events Sponsored by the Mid-Michigan Section of AIChE

*Defne Kayrak-Talay, Program Chair, Mid-Michigan AIChE*

All Midland Section ACS members are cordially invited to attend any of several invited-speaker events hosted by the Mid-Michigan Section of the AIChE. These meetings are held at the Grand Traverse Pie Company, 2600 North Saginaw Road, in Midland. Admission is free and may be accompanied by a limited supply of free sandwiches or pizza with other food available for purchase on site. Meeting times and locations are subject to change, so be sure to check out the [Mid-Michigan AIChE](#) website for any updates to the schedule.

Some of the following events may be of interest to Midland Section ACS members. More information on each of these events, including presentation abstracts and short bio sketches of the presenters, is available or will be updated periodically in upcoming issues of the [MMAIChE Newsletter](#). You may also contact Bruce Holden (Secretary, Mid-Michigan AIChE) at [bsholden@dow.com](mailto:bsholden@dow.com) or 989-636-5225 for more information.

- **Mark Barteau**, Director of University of Michigan Energy Institute, Professor of Chemical Engineering, University of Michigan  
*Perspectives on Energy*  
Tuesday, November 17, 2015, 6:00 PM dinner (optional), 7:00 PM presentation
- **Kevin Shaughnessy**, Associate Process Safety Director, The Dow Chemical Company  
*Inherent Safety Design in Risk Management*  
Wednesday, December 9, 2015, 6:00 PM dinner (optional), 7:00 PM presentation
- **Rich Helling**, Director of Sustainable Chemistry, The Dow Chemical Company (recipient of 2015 Chemical Engineer of the Year award)  
*Food: Footprints and Handprints*  
Wednesday, January 20, 2016, 6:00 PM dinner (optional), 7:00 PM presentation
- **Adam Peterson**, Project Leader, Dow Corning Corporation  
*The Pervasive and Surprising Uses of Silicones*  
Tuesday, February 23, 2016, 6:00 PM dinner (optional), 7:00 PM presentation
- **John Bissell**, Co-founder, Micromidas, Inc.  
*Evolution of a Start-up*  
March TBD, 2016, 6:00 PM dinner (optional), 7:00 PM presentation
- **Jeff Zawisza**, Fellow, The Dow Chemical Company  
*Advanced Manufacturing*  
April TBD, 2016, 6:00 PM dinner (optional), 7:00 PM presentation

## Upcoming Dates, Events, and Other Updates

- November 10 – Deadline for RSVPs for the ACS Silver Circle free luncheon kickoff event on November 12. RSVPs should be sent to Gretchen Kohl at [gretchen.kohl@att.net](mailto:gretchen.kohl@att.net).
- November 10 – Deadline for pre-registration and for filling out the online pre-survey for the free speed networking dinner meeting event on November 13, *Increase Your Network Potential Energy*. Please go to <https://www.surveymonkey.com/r/C3JSVP6>, and for more information contact Dale LeCaptain at [lecap1dj@cmich.edu](mailto:lecap1dj@cmich.edu).
- November 12 (11:30 AM – 12:45 PM) – ACS Silver Circle kickoff event, offering a free lunch, speakers, and follow-up discussion, Creative 360, 1517 Bayliss Street, Midland. For more information, and to RSVP for this event, please contact Gretchen Kohl at [gretchen.kohl@att.net](mailto:gretchen.kohl@att.net).
- November 13 (5:30 – 9:00 PM) – *Increase Your Network Potential Energy* free speed networking dinner meeting event, Mountain Town Brewing Company, 614 West Pickard Road, Mount Pleasant. Pre-registration is required and a pre-survey must also be filled out online no later than November 10 at <https://www.surveymonkey.com/r/C3JSVP6>. For more information, please contact Dale LeCaptain at [lecap1dj@cmich.edu](mailto:lecap1dj@cmich.edu).
- November 17 (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *Perspectives on Energy*, presented by Mark Barteau, Director of University of Michigan Energy Institute, Professor of Chemical Engineering, University of Michigan. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. More information, including presentation abstract and short bio sketch of the presenter, is available or will be updated periodically in upcoming issues of the [MMAICHe Newsletter](#). You may also contact Bruce Holden (Secretary, Mid-Michigan AIChE) at [bsholden@dow.com](mailto:bsholden@dow.com).
- December 7 (6:00 – 9:00 PM) – ACS Dinner/Board meeting, Creative 360, 1517 Bayliss Street, Midland. All are invited, but please RSVP to Gina Malczewski ([reginamalczewski@gmail.com](mailto:reginamalczewski@gmail.com)) ahead of time so enough food can be planned for this end-of-the-year wrap-up dinner meeting event.
- December 9 (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *Inherent Safety Design in Risk Management*, presented by Kevin Shaughnessy, Associate Process Safety Director, The Dow Chemical Company. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. More information, including presentation abstract and short bio sketch of the presenter, is available or will be updated periodically in upcoming issues of the [MMAICHe Newsletter](#). You may also contact Bruce Holden (Secretary, Mid-Michigan AIChE) at [bsholden@dow.com](mailto:bsholden@dow.com).
- January 4 (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#.
- January 20 (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *Food: Footprints and Handprints*, presented by Rich Helling, Director of Sustainable Chemistry, The Dow Chemical Company (recipient of 2015 Chemical Engineer of the Year award). Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. More information, including presentation abstract and short bio sketch of the presenter, is available or will be updated periodically in upcoming issues of the [MMAICHe Newsletter](#). You may also contact Bruce Holden (Secretary, Mid-Michigan AIChE) at [bsholden@dow.com](mailto:bsholden@dow.com).
- February 1 (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 23 (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *The Pervasive and Surprising Uses of Silicones*, presented by Adam Peterson, Project Leader, Dow Corning Corporation. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. More information, including presentation abstract and short bio sketch of the presenter, is available or will be updated periodically in upcoming issues of the [MMAICHe Newsletter](#). You may also contact Bruce Holden (Secretary, Mid-Michigan AIChE) at [bsholden@dow.com](mailto:bsholden@dow.com).
- March TBD (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *Evolution of a Start-up*, presented by John Bissell, Co-founder, Micromidas, Inc. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. More information, including presentation abstract and short bio sketch of the presenter, is available or will be updated periodically in upcoming issues of the [MMAICHe Newsletter](#). You may also contact Bruce Holden (Secretary, Mid-Michigan AIChE) at [bsholden@dow.com](mailto:bsholden@dow.com).
- March 7 (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 13–17, 251<sup>st</sup> ACS National Meeting & Exposition, San Diego, CA. For more information, see <http://www.acs.org/content/acs/en/meetings/spring-2016.html>.
- April TBD (6:00 – 8:00 PM) – MMAICHe sponsored lecture, *Advanced Manufacturing*, presented by Jeff Zawisza, Fellow, The Dow Chemical Company. Location and time: Grand Traverse Pie Company, 2600 North Saginaw Road, Midland, 6:00 PM dinner (optional), 7:00 PM presentation. More information, including presentation abstract and short bio sketch of the presenter, is available or will be updated periodically in upcoming issues of the [MMAICHe Newsletter](#). You may also contact Bruce Holden (Secretary, Mid-Michigan AIChE) at [bsholden@dow.com](mailto:bsholden@dow.com).
- April 4 (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#.
- April 12, 2016 (save the date) – Evening dinner meeting with Jacqueline K. Barton, 2015 National ACS Priestley Medal recipient; Chair, Division of Chemistry & Chemical Engineering and Arthur & Marian Hanisch Memorial Professor, California Institute of Technology; and Board member of The Dow Chemical Company. For more information, contact Michelle Cummings at [michelle.cummings@dowcorning.com](mailto:michelle.cummings@dowcorning.com).
- May 18–21 – 47<sup>th</sup> ACS Central Regional Meeting, Covington, KY. For more information, see <http://www.acscerm2016.org/main/>.
- August 21–25 – 252<sup>nd</sup> ACS National Meeting & Exposition, Philadelphia, PA. For more information, see <http://www.acs.org/content/acs/en/meetings/nationalmeetings/meetings.html>.

**The Midland Chemist** is published twelve times a year by the Midland Section of the American Chemical Society, P.O. Box 2695, Midland, MI 48641-2695, <http://www.midlandacs.org>.

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