

THE MIDLAND CHEMIST

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March 7 ACS Board Meeting Moved to Grand Traverse Pie Company

Jaime Curtis-Fisk, Chair, Midland Section ACS

The Midland Section ACS Board meeting scheduled for Monday, March 7 will be held at the Grand Traverse Pie Company, 2600 North Saginaw Road, in Midland, beginning at 6:30 PM. If you would like to order food, please arrive well in advance so that everyone may be seated and ready for the meeting to begin promptly at 6:30 PM. This meeting will replace the regularly scheduled board meeting that would normally take place at the Midland Center for the Arts.

2016 Midland Section ACS Leadership

Jamie Curtis-Fisk, Chair, Midland Section ACS

Board of Directors: The Board of Directors consists of the officers of the Section (Chair, Chair-Elect, Secretary, and Treasurer), the immediate Past Chair, the Councilors, the Alternate Councilors, the Chair of the Nominations and Elections Committee, and nine Directors, all of whom are voting members. The Councilors, Alternate Councilors, and Directors are elected to three-year terms. All others are elected to one-year terms.

The number in parentheses in the list below indicates the final year in office. The asterisks indicate members of the Executive Committee.

Committee Chairs: There are four standing committees: nominations and elections, membership, program, and publicity. All other committees are established by the Board of Directors with Committee Chairs appointed by the Chair of the Midland local section. Below is also a list of the current committee chairs.

Elected (Voting) Board Members		
Chair*	Jamie Curtis-Fisk	chair@midlandacs.org
Chair-Elect*	Anne Kelly-Rowley	amkelly-rowley@dow.com
Secretary*	Kshitish Patankar	secretary@midlandacs.org
Treasurer*	Wendy Flory	treasurer@midlandacs.org
Past Chair*	Gina Malczewski	reginamalczewski@gmail.com
Councilor (16)	Tina Leaym	tina.leaym@dowcorning.com
Councilor (17)	Dale LeCaptain	dale.lecaptain@cmich.edu
Alternate Councilor (16)	Shawn Chen	xchen@dow.com
Alternate Councilor (17)	Tami Sivy	tsivy@svsu.edu
Chair, Nominations & Elections Committee	Wenyi Huang	elections@midlandacs.org
Director (16)	Wendell Dilling	dilli1wl@cmich.edu
Director (16)	Steve Keinath	skeinath54@charter.net
Director (16)*	Janet Smith	janet.smith@dowcorning.com
Director (17)	Bob Howell	bob.a.howell@cmich.edu
Director (17)	Beata Kilos	BAKilos@dow.com
Director (17)	Dave Stickles	dstick44@chartermi.net
Director (18)*	Michelle Cummings	michelle.cummings@dowcorning.com
Director (18)*	Pat Smith	smithp62@msu.edu
Director (18)	Kevin Wier	kevin.wier@dowcorning.com
Committee Chairs (Non-Voting Board Members)		
2019 Central Regional Meeting	Dimi Katsoulis	dimi.katsoulis@dowcorning.com
Awards	Diana Deese	awards@midlandacs.org
Chemistry Olympiad	Michael Tulchinsky	tulchimi@dow.com
Ex Officio Director	Tom Lane	maingee1@gmail.com
Fall Scientific Meeting	Michael Vagnini	MTVagnini@dow.com
Finance	Janet Smith	finance@midlandacs.org
Historian	Wendell Dilling	history@midlandacs.org
Long Range Planning Committee	Gina Malczewski	reginamalczewski@gmail.com
Membership	Tamlin Matthews	membership@midlandacs.org
Midland Chemist Newsletter	Vickie Langer	newseditor@midlandacs.org
	Steve Keinath	newseditor@midlandacs.org

MMTG	Jeff Seifferly	jeff.seifferly@dowcorning.com
	Jason Suhr	j.d.suhr@dowcorning.com
Multicultural & Diversity Committee	Dominique Downing	DODowning@dow.com
Outreach/Kids and Chemistry	Gina Malczewski	outreach@midlandacs.org
Program	Anne Kelly-Rowley	amkelly-rowley@dow.com
Project SEED	Bernadette Harkness	bernadetteharkness@delta.edu
Public Affairs	Open	
Publicity	Open	
Safety	Kevin Wier	safety@midlandacs.org
Sci-Fest/NCW	Dave Stickles	dstick44@chartermi.net
Silver Circle/Senior Chemists	Joan Sabourin	jmsabour2@gmail.com
	Gretchen Kohl	gretchen.kohl@att.net
Teacher Support	Gina Malczewski	reginamalczewski@gmail.com
Webmaster	Greg Cushing	web@midlandacs.org
Women Chemists Committee	Beata Kilos	BAKilos@dow.com
Younger Chemists Committee	Kayla Mikek	kayla.mikek@dowcorning.com

Call for Volunteers: ACS Demos at NOBCChE Great Lakes Bay Region Science Bowl, March 12
Domonique Downing, Chair, Diversity & Multicultural Committee



The Midland Section ACS Diversity & Multicultural Committee will be displaying hands-on science and engineering demonstrations for students participating in the annual NOBCChE Great Lakes Bay Region Science Bowl on Saturday, March 12, 2016, from noon to 3:00 PM. The NOBCChE Science Bowl has run in the Great Lakes Bay Region for over ten years and has become an important tradition for students in the community. This year's event will be held in Gilbertson Hall on the campus of Saginaw Valley State University.

The Science Bowl event is an academic quiz bowl competition that gives middle and high school students an opportunity to demonstrate their stellar understanding of science and math and their knowledge of transformative black inventors and scientists. Winners of the local academic competition will earn an opportunity to attend the national NOBCChE Conference and compete with young scholars from all areas of the country.

Please contact Domonique Downing (dodowning@dow.com) to express your interest in helping with the hands-on demonstrations, or for any questions.

Editor's note: For those who may not know, NOBCChE is the acronym for the National Organization for the Professional Advancement of Black Chemists and Chemical Engineers. For more information about the Midland Chapter of NOBCChE, please see <http://www.midlandnobbche.org/>.

April 4 ACS Board Meeting to be Held at CMU
Dale LeCaptain, Councilor, Midland Section ACS

April 4 ACS Board Meeting at CMU



Fellow Board, Committee, and All ACS Members:

CMU's Chemistry/Biochemistry Department invites you to a special edition of the monthly Midland Section ACS Board meeting on Monday, April 4.

Meeting time is 7 pm on the campus of CMU, Room 135 Dow Science Bldg.
(for GPS – 203 Ottawa Court, Mount Pleasant)
Free parking after 4 pm.

In appreciation of your travels, the CMU student members invite you to a free DINNER before the meeting!

Starting at 5:30 pm the students will be serving the best of the best of college food fare. Mac 'n' cheese, Raman noodles, hot dogs, and many more of your favorites will be served in the Dow Science Building main corridor so you can enjoy dinner while taking advantage of pre-meeting networking.

Special Features for the April Meeting:

Arrive early, at 4 pm, to hear Dow Chemical's Jaime Curtis-Fisk give the Chemistry/Biochemistry Department seminar on STEM.
(Room 175, Dow Science Bldg.)



College Dinner served starting at 5:30 pm
(main hallway of Dow Science Bldg.)



View and experience the latest in classroom technology as the Board meeting is being held in the CMU College of Science and Engineering Active Learning Classroom
(Room 135, Dow Science Bldg.)



Monthly board meeting starts at 7 pm!
(All members are always welcome.)



Post Meeting Social:

Come check out the CMU Fermentation Science inaugural brews.
(Hunter's Ale House, 4855 E. Blue Grass Road, Mt Pleasant)

ACS Dinner Meeting with Jacqueline K. Barton, April 12

Beata Kilos, Director and Women Chemists Committee Chair, and Tamlin Matthews, Membership Committee Chair, Midland Section ACS

The Midland Section of the American Chemical Society Women Chemists Committee will be hosting a dinner meeting featuring 2015 National ACS Priestley Medalist Jacqueline K. Barton on Tuesday, April 12, 2016. The event will be held at the Great Hall Banquet & Convention Center in Midland, beginning at 5:30 PM with cocktails and a time for networking. This will be followed by a plated dinner at 6:00 PM. Dr. Barton will give an after-dinner presentation on the *Chemistry of DNA* beginning at 7:00 PM.



Dr. Barton is the Arthur and Marian Hanisch Memorial Professor of Chemistry at the California Institute of Technology. She is also a member of the Board of Directors of The Dow Chemical Company, serving in that role since 1993. Jackie is the recipient of a number of distinguished awards and recognitions. Among her more notable honors are the 2010 National Medal of Science, the highest honor bestowed by the US government on scientists, and the 2015 Priestley Medal, the highest honor bestowed by the American Chemical Society.

(Photo: Jacqueline K. Barton. Photo courtesy of J.K. Barton.)

Tickets are \$5 each, and to RSVP please send an e-mail note to midlandwcc@gmail.com. For more information or for questions, please contact Beata Kilos (BAKilos@dow.com) or Tamlin Matthews (TDMatthews@dow.com).

Science Café: Michigan Morel Mushrooms, April 14

AB Dow Museum of Science & Art, Midland Center for the Arts

Thursday, April 14, 2016, 7:00 PM. Held in the Saints & Sinners Lounge at the Midland Center for the Arts. Appropriate for ages 14 and up.

Join Dr. Vic Eichler, author of *Morel Mushrooms in Michigan and Other Great Lakes States* to learn tips and tricks (exact locations will not be shared) on where, when, and how to find areas to forage for morels.

This special event has been carefully planned in preparation for the big “seasonal pop” of these mushrooms in our climate. Seeking the “elusive” delicacy is great fun and exercise for the whole family, but don’t worry if you can’t find them on every excursion. These funky fungi can easily be home dried and brought back to plump and nutty treasures for you to enjoy with your copy of the book’s recipes at any time!

Admission to the event will include a sample of a morel mushroom recipe from Dr. Eichler’s book. Following the talk the author will gladly sign books. Reserve a copy of your book today by purchasing in advance to receive a \$3 discount.

Tickets: \$8.00 event only, \$17.00 event plus pre-purchased book. *Limited space available! For a guaranteed spot, please register early.* See [Michigan Morel Science Cafe](#) for more information and to purchase tickets.

Earth Day Expo at Midland Center for the Arts, April 16

Gina Malczewski, Past Chair, Midland Section ACS

Saturday, April 16, 2016, from 10:00 AM to 2:00 PM. FREE ADMISSION!

Join area organizations to celebrate Earth Day with demonstrations and hands-on activities for all ages. The 11th Annual FREE Earth Day Expo at the Midland Center for the Arts is co-sponsored by the Alden B. Dow Museum of Science and Art, American Chemical Society–Midland Section, and Midland Recyclers. For more information, see [Earth Day Expo](#).



The Midland Section of the American Chemical Society
Women Chemists Committee Presents:



Women in Science Series

Chemistry of DNA

Jacqueline K. Barton



Tuesday, April 12, 2016

Cocktails at 5:30 pm

Dinner at 6:00 pm

Seminar at 7:00 pm

**Great Hall Banquet & Convention Center
5121 Bay City Rd, Midland, MI**

RSVP – midlandwcc@gmail.com

Tickets are \$5 each

Dr. Jacqueline K. Barton is the Arthur and Marian Hanisch Memorial Professor of Chemistry and Chair of the Division of Chemistry and Chemical Engineering at the California Institute of Technology. In October 2011, Dr. Barton received the 2010 National Medal of Science from President Obama. In 2015, she received the ACS Priestley Medal. She was elected to the Dow Board of Directors in 1993, and currently serves as Chair of the Environment, Health, Safety and Technology Committee.

ACS Spring Awards Recognition Dinner – RSVP Deadline, April 15
Diana Deese, Awards Committee Chair, Midland Section ACS

ACS Recognition Dinner

Wednesday, April 27, 2016, 5:30 p.m. to 9:00 p.m.

Great Hall Banquet & Convention Center at Valley Plaza
5121 Bay City Road, Midland, Michigan

Program:

5:30 p.m. Cash Bar and Social Time

6:00 p.m. Dinner

7:00 p.m. Awards Presentations

Educators, students, ACS and industry colleagues, and 50- and 60-year ACS members/retirees will be recognized for their outstanding achievements at this 25th annual event. Our guest speaker this year is our very own Mr. Jeff Yoder of Midland High School. Mark your calendar and join us in support of our award recipients, to connect with colleagues, or just to mingle with a diverse group of people passionate about science!

The cost of the dinner is \$16.00 per person and includes a plated chicken dinner, dessert, and beverage. A pre-dinner cash bar will be available this year as highly requested by those in attendance last year. Your dinner reservation request must be received by April 15, 2016. Using the format below, you may register by e-mail to Diana Deese (dkdeese@dow.com) and pay at the door, or by mail using the address indicated. Dress is business casual.

This event is sponsored by the Midland Section of the American Chemical Society. For further information, contact Diana Deese at (989) 636-9915.

To reserve a place at the 2016 ACS Recognition Dinner, return this form with payment (\$16.00/person) by **April 15, 2016**, to Diana Deese, The Dow Chemical Company, 1897 Building, E-bay East: E65, Midland, MI 48667.

Name(s): _____

Affiliation: _____

Address: _____

Phone/E-mail: _____

ACS member? Yes / No (indicate by circling your member status)

Dietary Considerations: _____

Enclose payment of \$16.00 per person. Checks should be made payable to “Midland Section ACS”.

Announcing the 2016 Spring Awards Banquet and Call for Nominations

Diana Deese, Awards Committee Chair, Midland Section ACS

It is that time of year again when we have the opportunity to recognize outstanding educators, volunteers, and colleagues. I am asking that you take the time and nominate that outstanding person and have them recognized at the American Chemical Society-Midland Section Spring Awards Banquet at the Great Hall and Convention Center in Midland on Wednesday, April 27, 2016. The awards banquet is a great way to connect with others in the industry, those who have gone before us, those who teach the next generation, and those who will be following in our footsteps.

The process of nominating can be fun and easy. Consider getting your colleagues together for lunch and putting together a packet. If you are in a managerial role and are worried about favoritism, consider nominating 2-3 qualified persons (you will remain anonymous). If you feel you deserve an award but everyone is just too busy to notice, consider leaving suggestions or have an outright discussion with your manager. If you are a parent: Does your child have a great science teacher? If so, consider nominating him/her.

From personal experience, if you know the deserving person, it only takes 1 hour to put together an award-winning letter and an additional 15 minutes soliciting supporting letters. Think of what it will mean to that person and how good you will feel about your good deed. I have listed previous award recipients and would like to remedy that frequent “No Recipient” comment, as there is surely someone deserving in every category!

When you realize how exciting it is to nominate someone at the local level and you want to do more, I invite you to peruse the veritable cornucopia of awards the American Chemical Society offers at the national level. I have listed them as the last page of the call for nominations along with a web address where you can find out more information. Now is the time to begin nominations for National ACS awards for 2016-2017 as most annual reviews have a deadline of November 1.

Nomination packets for all awards (except outstanding high school and collegiate awards) must, at a minimum, consist of a current resume or equivalent, and at least one supporting letter in addition to your letter of nomination, all stating why the nominee is deserving of the award with specific examples of professional involvement/growth, contributions to industry, and outside affiliations.

It is highly recommended that the nomination include a publications and patent list where applicable and additional letters of support which can come from students, parents, community members, and/or administrators. An example nomination letter can be requested from the awards chair via e-mail. Nominees must not have received the same award that they are being nominated for within the past 10 years. Nominations not meeting the minimum requirements, and submissions received after the April 1, 2016 deadline, will not be considered.

For those of you sequestered in labs who feel you might not be able to attend unless you nominate someone, I say save the date and come on out for a night of food, fun, and fraternization! Watch for more detailed information and the Spring Awards Banquet RSVP form in the March issue of *The Midland Chemist*!

As always, contact me if you have any questions: Diana Deese, Midland Section ACS Awards Committee Chair (dkdeese@dow.com).

Call for Nominations: 2016 Teaching, Volunteer, Education, Chemical Sciences Awards
Diana Deese, Awards Committee Chair, Midland Section ACS

Each year, the Midland Section of the American Chemical Society presents awards to recognize outstanding achievement in the chemical sciences. Nominations for the 2016 awards are invited for the following areas:

- Outstanding Elementary Level Science Teaching
- Outstanding Middle Level Science Teaching
- Outstanding High School Chemistry Teaching
- Outstanding College Chemistry Teaching
- Science Education Volunteer of the Year
- Outstanding Achievement and Promotion of the Chemical Sciences
- Outstanding Service to the American Chemical Society
- Promotion of Diversity in Chemistry, Related Sciences, and Engineering
- Outstanding Chemical Technician
- Outstanding High School / College Chemistry Students

Outstanding Science / Chemistry Teaching Awards

Candidates for the teaching awards must be educators at schools in the five-county geographical area of the Midland Section: Bay, Gratiot, Isabella, Midland and Saginaw Counties. One candidate will be recognized for their teaching contributions in each of the following categories: Elementary, Middle Level, High School, and College.

Science Education Volunteer of the Year

The Science Education Volunteer of the Year award is presented to an individual who makes a substantial contribution to science learning in the Midland Section through voluntary efforts.

Outstanding Achievement and Promotion of the Chemical Sciences

Each year the Midland Section honors an individual residing within the Section's geographical area who has demonstrated outstanding achievement and promotion of the chemical sciences. This award recognizes dedication and service to the chemical profession, but the recipient need not be an ACS member.

Outstanding Service to the American Chemical Society

The Section sponsors an annual award to recognize outstanding service to the Midland Section of the ACS. This award recognizes achievement in the promotion of the goals and objectives of the Society. Nominees shall be members of the Midland Section. Nominations should include a history of service to the Midland Section, and supporting letters from fellow ACS members.

Promotion of Diversity in Chemistry, Related Sciences, and Engineering

This award recognizes a person or group residing in Midland, Bay, Saginaw, Isabella or Gratiot County for outstanding achievement in enhancing the participation of under-represented groups in the study of chemistry, related sciences, and engineering. The nomination must come from a Midland Section ACS member. The criteria for this award include teaching, mentoring, serving as a role model, and active and sustained participation in organizations that support diversity which have had a demonstrable impact on the promotion of diversity in chemistry, related sciences, and engineering. Members of the Midland Section Minority Affairs Committee are ineligible to receive this award.

Outstanding Chemical Technician

The Section presents an annual Outstanding Chemical Technician Award to an individual who has demonstrated an extremely high degree of professionalism as a chemical technician. Nominees must have worked for five years as a chemical technician, or in a related field, and whose primary job includes conducting experimentation or correlating information to help solve chemical problems or discover new chemical knowledge. The nominee must have successfully completed a two-year post-high school level chemistry curriculum leading to an associate degree, the equivalent course in a baccalaureate program, or equivalent experience. Chemical technicians do not need to be an ACS member to be eligible for this award. Nominations should include outside affiliations. *Request the National ACS nomination form from the awards chair to nominate in this category.*

Recipients of all awards will be selected by the Awards Committee with the exception of the Outstanding Achievement and Promotion of the Chemical Sciences award which is submitted for approval by the Midland Section ACS Executive Committee. Nominators should write a letter indicating the award and describing the attributes of the candidate.

Nomination packets for all awards (except outstanding high school and collegiate awards) must, at a minimum, consist of a current resume or equivalent, and at least one additional supporting letter included with your nomination all stating why the nominee is deserving of the award. Specific examples should be given in areas such as professional involvement/growth, contributions to industry, and outside affiliations. It is highly recommended that the nomination include a publications and patent list where applicable. Additional letters of support can come from students, parents, community members, and/or administrators.

The deadline for nominations is Friday, April 1, 2016. Nominations not meeting the minimum requirements, and submissions received after the April 1 deadline, will not be considered. Mail or fax submissions are acceptable; *electronic (e-mail) submissions are preferred*. All submissions must be accompanied by the name, position, address and phone number of the nominator.

Outstanding High School / College Chemistry Students

The Awards Committee also recognizes outstanding chemistry students at the high school and collegiate levels. Those students should be selected by their respective departments, and their names forwarded to the Awards Committee using the form attached to this call for nominations. One selection per school; no supporting letters needed.

Award recipients as well as Chemistry Olympiad winners and Fifty/Sixty/Seventy Year ACS Members will be honored at the 2016 ACS Spring Recognition Dinner at the Great Hall and Convention Center, in Midland, on Wednesday, April 27, 2016.

The Awards Committee greatly appreciates the efforts involved in nominating someone, and wishes to thank you for helping to recognize deserving students, colleagues, and educators in our local section. Please pass this information along to anyone involved in our local science programs!

For example nominations or more detail on any award, please contact Diana Deese. *Electronic submissions are acceptable and preferred*, or via U.S. mail to:

Diana K. Deese, Chair, Midland Section ACS Awards Committee
Phone: (989) 636-9915, E-mail: awards@midlandacs.org or dkdeese@dow.com



American Chemical Society – Midland Section

**Nomination Form for 2016 Outstanding High School / Collegiate Chemistry Student
ACS Midland Section**

Dept. Chair or other Nominator: _____

Telephone number: _____

E-mail address (required): _____

School: _____

Student's name: (Mr./Ms.) _____
(Indicate) (Please print legibly)

Home address: _____

Telephone number: _____

E-mail address (required): _____

Student's career/postgraduate plans (if known):

Please return this form to the following address no later than **April 1, 2016**:

Diana K. Deese
ACS Awards Committee Chair, Midland Section
Phone: (989) 636-9915
E-mail: dkdeese@dow.com

Previous Recipients of Midland Section ACS Awards

Diana Deese, Awards Committee Chair, Midland Section ACS

Elementary Level Science Education

1992	Karen Ziemelis
1993	Lela Wade
1994	Constance A. Dullock
1995	Joan Klopac
1996	Mark Hackbarth
1997	Denise Koppleberger, Cheryl Ruthig
1998	Barbara McGivern
1999	John Clark
2000	Sue Burtch, Robin Harshman-Rogers, Vicki Richard, Clare Jorgensen
2001	Cathy Egerer, Amy Hindbaugh-Marr
2002	Maureen Becker
2003	Leon Katzinger
2004	Joan Roels
2005	Curt Moses
2006	Robin Allen
2007	Diane Huckins
2008	Rachel Pappas
2009	No Recipient
2010	No Recipient
2011	Beth Quimby
2012	No Recipient
2013	No Recipient
2014	No Recipient
2015	Molly Kelsey

Middle Level Science Education

1992	Derrell Steffen
1993	Laurie Hepinstall
1994	JoAnn Kraut
1995	No Recipient
1996	Barbara J. Bibbee
1997	Gary J. Johnson
1998	No Recipient
1999	No Recipient
2000	No Recipient
2001	No Recipient
2002	Joel Mikusko
2003	No Recipient
2004	Christine Brillhart
2005	No Recipient
2006	Matthew Miller
2007	John Hoving
2008	Mark Koschmann
2009	Carla Piazza
2010	Melinda Coyle
2011	Jennifer Lenon
2012	Jayne Swanson
2013	John Barnes
2014	No Recipient
2015	Mark Hackbarth

High School Chemistry Teaching

1989	Robert Wallace
1990	Gary Ronk
1991	No Recipient
1992	John Clark, Edna Konwinski
1993	Mary Irons
1994	Jo Ann Pelkki
1995	No Recipient
1996	Sandra Schafer
1997	Mary Fredell
1998	Dale Ressler
1999	Robert Enszer
2000	Steven Kelly
2001	William Stokes
2002	Robert Hansen
2003	No Recipient
2004	Doug Grezeszak
2005	Pamela Thompson
2006	Daniel Sealy
2007	No Recipient
2008	No Recipient
2009	Nancy Vossen
2010	Sandra Schafer
2011	David Allan
2012	David Bruessow
2013	Tom Short, Sarah Beery
2014	No Recipient
2015	Jeff Yoder

College Chemistry Teaching

1989	Joan Sabourin
1990	Bob Howell
1991	Robert Kohrman
1992	Scott Hill
1993	Ajit Sharma
1994	Laura Vosejpka
1995	George Eastland
1996	Martin Spartz
1997	Philip Squattrito
1998	Thomas Delia
1999	Steven E. Keinath
2000	James Hutchison
2001	Sandra Smith
2002	Margaret Hill
2003	Dale Meier
2004	Katherine Blystone
2005	Ronald Sharp
2006	Arthur G. Smith
2007	Cynthia N. Peck
2008	No Recipient
2009	No Recipient
2010	Anton Jenson
2011	No Recipient
2012	David S. Karpovich

Science Education Volunteer

1992	Gregg Young	2007	Teri Bickmore
1993	Peter Bonk		Cal Goeders
1994	Peter Moehs	2008	Tim Drier
1995	Gretchen Kohl	2009	Dave Stickles

1996	John Blizzard	2003	John Blizzard	2010	Lisa Thackery
	Richard Van Effen	2004	Jan Zanyk	2011	Charles & Barbara Roth
1997	Marvin Tegen	2005	Eldon Graham	2012	Estelle Lebeau
1998	Carlton Beyer	2006	Tom Chamberlin	2013	No Recipient
				2014	Charles Nielsen
				2015	Gina Malczewski

Outstanding Achievement in the Promotion of Diversity in Chemistry, Related Sciences, and Engineering

(Awarded every other year)

2002	George Gant, Richard Stringfield	2008	Sandra Parker	2014	Victor Atiemo-Obeng
2004	Smallwood Holoman, Jr.	2010	Theophilus Leapheart		
2006	Joan Sabourin	2012	Linneaus Dorman		

Outstanding Chemical Technician

1997	Connie J. Murphy	2004	Sherry Allen	2011	Amy Tesolin-Gee
1998	David Stickles	2005	Bill Rievert	2012	Amber Wallace
1999	Ronald L. Good	2006	Margo McIvor	2013	No Recipient
2000	Kurt A. Bell	2007	Debbie Bailey	2014	Jeff Seifferly
2001	Gordon R. Roof	2008	Sue Perz	2015	Brian Scherzer
2002	Cynthia J. Gould	2009	Diana Deese		
2003	Robert Krystosek	2010	No Recipient		

Outstanding Achievement and Promotion of the Chemical Sciences

1976	Dr. Turner Alfrey, Jr.	1990	Dr. Joseph E. Dunbar	2004	Herbert D. (Ted) Doan
1977	Dr. Etcyl H. Blair	1991	Dr. Thomas H. Lane	2005	Dr. Michael J. Owen
1978	Dr. David C. Young	1992	Dr. Donald A. Tomalia	2006	Dr. Robert E. Kohrman
1979	Dr. Vernon A. Stenger	1993	Dr. Dale J. Meier	2007	Dr. Petar R. Dvornic
1980	Dr. Daniel R. Stull	1994	Dr. Philip T. Delassus	2008	Dr. Jack Kruper
1981	Dr. Bob A. Howell	1995	Dr. Duane B. Priddy	2009	No Recipient
1982	Dr. Wendell L. Dilling	1996	Dr. Hans G. Elias	2010	No Recipient
1983	Dr. Donald R. Weyenberg	1997	Dr. Ludo K. Frevel	2011	Dr. James Falender
1984	Dr. Edwin P. Plueddemann	1998	Dr. Patrick B. Smith	2012	No Recipient
1985	Dr. Raymond P. Boyer	1999	Dr. David E. Henton	2013	No Recipient
1986	Stanley P. Klesney	2000	Dr. Steven J. Martin	2014	No Recipient
1987	Dr. Warren B. Crummett	2001	Dr. Edwin C. Steiner	2015	Dr. James Tonge
1988	Dr. A. Lee Smith	2002	Dr. Thomas J. Delia		
1989	Dr. Do Ik Lee	2003	Dr. Robert M. Nowak		

Outstanding Service to the American Chemical Society

1989	Dr. David C. Young	2000	Dr. Peter & Dr. Patricia Dreyfuss	2011	No Recipient
1990	Dr. Linneaus C. Dorman	2001	Dr. George W. Eastland, Jr.	2012	No Recipient
1991	Dr. Donald R. Petersen	2002	Joan Sabourin	2013	No Recipient
1992	Dr. Wendell L. Dilling	2003	John Blizzard	2014	No Recipient
1993	Dr. Bob A. Howell	2004	Dr. Steven E. Keinath	2015	Amy Tesolin-Gee
1994	Eldon L. Graham	2005	Ann Birch		
1995	Gretchen S. Kohl	2006	Dr. Philip Squattrito		
1996	Fran K. Voci	2007	David L. Stickles		
1997	Dr. Thomas H. Lane	2008	Connie Murphy		
1998	Vicky S. Cobb	2009	No Recipient		
1999	Dr. Theodore E. Tabor	2010	No Recipient		

ACS National Awards for 2016–2017 Nomination
Diana Deese, Awards Committee Chair, Midland Section ACS

Editor's note: Several Midland Section ACS members have received various National ACS awards over the years. Please see their names, as noted, below.

[ACS Award for Achievement in Research for the Teaching and Learning of Chemistry](#)

[ACS Award for Affordable Green Chemistry](#)

2012 William J. Kruper

[ACS Award for Computers in Chemical and Pharmaceutical Research](#)

[ACS Award for Creative Advances in Environmental Science and Technology](#)

1986 Eugene E. Kenaga

[ACS Award for Creative Invention](#)

1984 Edwin P. Plueddemann

[ACS Award for Creative Research and Applications of Iodine Chemistry](#)

[ACS Award for Creative Work in Fluorine Chemistry](#)

[ACS Award for Creative Work in Synthetic Organic Chemistry](#)

[ACS Award for Distinguished Service in the Advancement of Inorganic Chemistry](#)

[ACS Award for Encouraging Disadvantaged Students into Careers in the Chemical Sciences](#)

[ACS Award for Encouraging Women into Careers in the Chemical Sciences](#)

[ACS Award for Research at an Undergraduate Institution](#)

[ACS Award for Team Innovation](#)

[ACS Award in Analytical Chemistry](#)

[ACS Award in Applied Polymer Science](#)

1970 Raymond F. Boyer

[ACS Award in Chromatography](#)

1991 Hamish Small

[ACS Award in Colloid Chemistry](#)

[ACS Award in Industrial Chemistry](#)

[ACS Award in Inorganic Chemistry](#)

[ACS Award in Organometallic Chemistry](#)

[ACS Award in Polymer Chemistry](#)

1973 Turner Alfrey, Jr.

[ACS Award in Pure Chemistry](#)

[ACS Award in Separations Science and Technology](#)

[ACS Award in Surface Chemistry](#)

[ACS Award in the Chemistry of Materials](#)

[ACS Award in Theoretical Chemistry](#)

[Award for Volunteer Service to the American Chemical Society](#)

[Roger Adams Award in Organic Chemistry](#)

[Alfred Bader Award in Bioinorganic or Bioorganic Chemistry](#)

[Earle B. Barnes Award for Leadership in Chemical Research Management](#)

1987 Malcolm E. Pruitt

2009 Gregg A. Zank

2014 William F. Banholzer

[Ronald Breslow Award for Achievement in Biomimetic Chemistry](#)

[Herbert C. Brown Award for Creative Research in Synthetic Methods](#)
[James Bryant Conant Award in High School Chemistry Teaching](#)
[Arthur C. Cope Award](#)
[Arthur C. Cope Scholar Awards](#)
[Elias J. Corey Award for Outstanding Original Contribution in Organic Synthesis by a Young Investigator](#)
[F. Albert Cotton Award in Synthetic Inorganic Chemistry](#)
[Peter Debye Award in Physical Chemistry](#)
[Frank H. Field and Joe L. Franklin Award for Outstanding Achievement in Mass Spectrometry](#)
[Francis P. Garvan - John M. Olin Medal](#)
[James T. Grady - James H. Stack Award for Interpreting Chemistry for the Public](#)
[Harry Gray Award for Creative Work in Inorganic Chemistry by a Young Investigator](#)
[Ernest Guenther Award in the Chemistry of Natural Products](#)
[Kathryn C. Hach Award for Entrepreneurial Success](#)
[E. B. Hershberg Award for Important Discoveries in Medicinally Active Substances](#)
[Joel Henry Hildebrand Award in the Theoretical and Experimental Chemistry of Liquids](#)
[Frederic Stanley Kipping Award in Silicon Chemistry](#)
 1990 John L. Speier, Jr.
[E. V. Murphree Award in Industrial and Engineering Chemistry](#)
[Nakanishi Prize](#)
[Nobel Laureate Signature Award for Graduate Education in Chemistry](#)
[James Flack Norris Award in Physical Organic Chemistry](#)
[George A. Olah Award in Hydrocarbon or Petroleum Chemistry](#)
[Charles Lathrop Parsons Award](#)
[George C. Pimentel Award in Chemical Education](#)
[Priestley Medal](#)
[Glenn T. Seaborg Award for Nuclear Chemistry](#)
[Gabor A. Somorjai Award for Creative Research in Catalysis](#)
[George and Christine Sosnovsky Award for Cancer Research](#)
[E. Bright Wilson Award in Spectroscopy](#)
[Ahmed Zewail Award in Ultrafast Science and Technology](#)
[Heroes of Chemistry](#)

1999 Etcyl Blair, Ray Rigterink, Art Sexton
 2000 L.C. Rubens
 2015 David Devore, David Neithamer, Peter Nickias, Jasson Patton, James Stevens, David Wilson

Criteria and deadlines for the National ACS awards, and other grants and considerations, can be found at
<http://www.acs.org/content/acs/en/funding-and-awards/awards/national/nominations.html>

National ACS Fellows from the Midland Section

2010 Wendell L. Dilling, Michael J. Owen
 2011 Bob A. Howell, Thomas H. Lane, Connie J. Murphy
 2013 Patrick B. Smith
 2014 Janet M. Smith
 2015 Gretchen S. Kohl

13th Annual ChEMS Research Forum, May 12

MSU ChEMS Department

The Department of Chemical Engineering and Materials Science (ChEMS) at Michigan State University would like to invite you to join us at the 13th annual ChEMS Research Forum on Thursday, May 12, 2016. The forum is a full-day event, running from 8:00 AM to 5:00 PM, and will be held at the Huntington Club at Spartan Stadium on the campus of MSU.

This year's ChEMS Research Forum will showcase departmental research advances in the areas of:

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

The one-day program will feature plenary speakers, posters, and oral presentations describing the latest department research. This year's featured speakers and their lecture topics include:

- **Matthew Neurock**, Shell Professor, Chemical Engineering and Materials Science, University of Minnesota, *Computational Catalyst Design*
- **Deborah (D.F.) Mielewski**, Senior Technical Leader, Materials Sustainability, Ford Research and Innovation Center, *Greening the Blue Oval: Research and Development of Sustainable Materials at Ford*
- **Scott Calabrese Barton**, Associate Professor, Chemical Engineering and Materials Science, Michigan State University, *Enhancing Intermediate Transport in Multistep Reactions*
- **Andre Y. Lee**, Associate Professor, Chemical Engineering and Materials Science, Michigan State University, *Novel Chemical Modifier for Aluminum-Silicon Casting Alloys*

Registration, lunch, and refreshments are complimentary, but pre-registration for the forum is requested. To register for the event, go to <http://www.chems.msu.edu/forum2016/Registration>.

For more information, see <http://www.chems.msu.edu/forum2016>, or call the MSU ChEMS Department at 517-355-5135, or send an inquiry by e-mail to chems@egr.msu.edu.

Tom Lane Named 2016 Henry Hill Award Winner

Janet Smith, Director, Midland Section ACS



This year's winner of the ACS Division of Professional Relations' Henry Hill Award is Dr. Thomas H. Lane.

Tom retired in May of 2009 from Dow Corning Corporation, Midland, MI where he had been employed in various positions since 1974. Some of these included Senior Research Scientist; Vice President, Dow Corning Foundation; and Director, Global Science and Technology Outreach. He was a ranking scientist responsible for leading the Corporation into new technology areas to help ensure the Corporation's continued success and growth. He managed large R&D groups

and multinational teams and global sponsored research programs, which included over sixty universities. He also served as the Corporation's chief chemist during the breast implants controversy. He achieved the highest scientific rank within the Corporation for technical contributions in the areas of interfacial science, scientific computing, and in the biology and biotechnology of silicon. These accomplishments have been internationally recognized and documented.

Tom served in the National ACS Presidential Succession (2008-2010) and as ACS President during 2009. As ACS President, Tom commented that one of the most significant challenges he experienced was the necessity to communicate seamlessly with the members of the society and global colleagues who represented approximately five generations in the chemical community. Specifically, Tom recognized the importance of communicating in the medium of choice of each individual versus his preferred style. In response, he learned to 'tweet' on Twitter with the Millennials while corresponding with the Greatest Generation with a fountain pen and stationary. He is an active listener who applies an open mind and critical thinking skills to make thoughtful decisions.

One of his award seconders noted: "The opportunity to work with Tom was simply outstanding (not to mention challenging). As a manager, Tom engaged in research activities to create new opportunities with value and significant growth potential for Dow Corning. In particular, I observed that Tom is quite insightful. He has a tremendous awareness of internal and external scientific activities in interdisciplinary fields. For example, Tom represented Dow Corning as the scientific leader in our strategic alliance with Genencor International, Inc. in the emerging field of Silicon Biotechnology™ from 2001 to 2005. The mission of this business-to-business alliance was to explore and develop nature's biological pathways for the creation, production, and sale of novel silicon-based products. This research alliance was a joint corporate initiative to leverage this new field, incubate new business opportunities, and respond to the changing requirements of our customers and industries for bio-based solutions. He understood and managed the risks necessary to evaluate these sustainable technologies, as well as numerous sponsored research projects with academic institutions and national laboratories located in the US, UK, and Europe to pursue valued business opportunities for Dow Corning."

As a teacher, Tom has demonstrated a life-long commitment and passion for education. In the January 5, 2009 issue of *Chemical & Engineering News*, Tom stated that one should "keep education and science literacy at the forefront of our thinking and pivotal in our actions." Furthermore, he commented that "Our children cannot be expected to compete in our global society on just burgers and fries. We must find new ways to serve up our discipline in ways that encourage our children and our communities to experiment, to try just one bite. Who knows, some might even go back for seconds!" In response, Tom has been heavily involved in educational initiatives on local, regional, national, and international levels. He prefers to lead by example and create opportunities for all ages through his actions. In July 2010 he accepted the position as Chief Academic Officer and Vice President of Instruction and Learning Services at Delta College, University Center, MI. He retired from that position in 2013. Tom's educational leadership in organizations such as the ACS, Delta College, Big Brothers Big Sisters, and Dow Corning further illustrate these behaviors. As a manager, Tom mentored and coached numerous global employees at Dow Corning who were inspired to care, engage in educational outreach, and make a difference. Tom is a catalyst that drives constructive change in the chemical community. In his ACS Presidential *C&EN* article in 2009, he stated that "We, as a society, are all in this together! Plainly put, we are the stewards of chemistry, past, present, and future." His service and professional relationships exemplify this statement.

Tom will be recognized and receive the 2016 Henry Hill Award at a reception sponsored by the ACS Division of Professional Relations at the upcoming Spring National ACS Meeting in San Diego. The reception will be held on Tuesday, March 15, 4:30-6:30 PM, at the Bayside Pavilion, Marriott Marquis, San Diego Marina.

Part-time Teaching Position at Midland Academy of Advanced and Creative Studies

Susi Sadek, HR and Systems Professional, Midland Charter Initiative

I am trying to fill a part-time chemistry teaching position for grades 9-12 at the Midland Academy of Advanced and Creative Studies. As such, I am reaching out to the members of the Midland Section of the ACS to see if anyone would be interested in a long-term substitute teaching position for the remainder of the 2015-16 school year.

The candidate does not need to be a certified teacher, as there are other options available that will allow an otherwise qualified subject matter expert to teach. Ideally, I would like to find someone who is interested in a long-term position, but there are other options available depending on the candidate's background and education.

Please e-mail Susi Sadek at sadeks@midlandcharter.org or call me at 989-496-2404 if you have any interest in this position, or for any questions.

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 or 989-636-5225 for more information.

- **John Bissell**, Co-founder, Micromidas, Inc.
Evolution of a Start-up
March 15 or 17, 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

Editor's note: A final, firm date for John Bissell's presentation, *Evolution of a Start-up*, had not been locked down as of the publication deadline for the March issue of *The Midland Chemist*. It will occur on either

Tuesday, March 15, or Thursday, March 17. Please contact Tom Gregory (tdgregory@sbcglobal.net), Defne Kayrak-Talay (dkayraktalay@dow.com), or Bruce Holden (bsholden@dow.com) for final confirmation of the John Bissell meeting date.

Preparing our Future Chemical Technicians

Kara Allen, Chair, National ACS Committee on Technician Affairs

Editor's note: The following article was published in the February 8, 2016 issue of *C&EN* (Vol. 94, No. 6, p. 31) and is being reprinted here. It features a Q&A discussion with 2016 Mid-Michigan Technicians Group Co-Chair, Jeff Seifferly.



As incoming chair of the Committee on Technician Affairs (CTA), I would say one of my greatest passions is helping students prepare for future careers. Getting inspiration from those successful in the field, by hearing stories about their career progression, listening to professional advice, and learning from their past experiences, can help prepare students for graduation and beyond. CTA member Aimée Tomlinson recently sat down with CTA's 2015 National Chemical Technician Award winner, Jeff Seifferly of Dow Corning, and conducted a question-and-answer session that future chemical technicians will, I hope, find both inspiring and informative.

Allen

Credit: Courtesy of Kara Allen



What led you to become a chemical technician?

Even though my college degree was in applied electronic engineering technology, I was able to find meaningful and fulfilling employment with a major chemical company, Dow Corning. I've always enjoyed electronics and working with my hands, and I knew that a research position would have a variety of opportunities and challenges. At Dow Corning, I've developed specialized skills that have exposed me to novel plasma chemical vapor deposition methods for generation of silicon quantum dots, dielectric materials used in integrated circuit manufacturing, and development of benchmark precursor gases used in the fabrication of second-generation microprocessors.

Tomlinson

Credit: Courtesy of Aimée Tomlinson

How have things changed since you started as a chemical technician at Dow Corning?

When I started at Dow Corning, you shared a large desktop computer with a 20-megabyte hard drive and dual floppy drives. The chemical technician of today is expected to be technologically savvy. I started working in electronics research thinking I would be working on a few different projects with a

couple of different managers for my entire career. I didn't anticipate that over 34 years, I'd be working on 35 different projects and reporting to 20 different managers. When I started, I had limited interaction with customers. Now, I travel, work directly with customers, interact with equipment repair personnel and vendors, and transfer technology to various companies.

Are technicians with associate's degrees still afforded the same opportunities today as they were in the past?



According to Occupational Employment Statistics from the U.S. Bureau of Labor Statistics, there is a better job outlook and average wage today for recent graduates with associate's degrees than graduates with bachelor's or master's degrees, at least in some industries. Employers are looking for experienced technicians who can act as the bridge between the lab and the consumer, between science and manufacturing. Our local community college has worked closely with local industries to develop a Chemical Process Technology program curriculum to make sure that students are prepared and job-ready. They have a 480-hour Pre-Chemical Process Operator Fast Start program, a one-year certificate program, and a two-year associate's degree program.

Seifferly

Credit: Courtesy of Jeff Seifferly

Is there a pathway/degree plan that works best for the future chemical technician?

Be aware that the profession combines skills in chemistry, mathematics, physics, biology, and engineering. Technicians with an associate's degree, on average, will end up making about \$500,000 more over their careers than people with a high school diploma, but \$500,000 less than people with a bachelor's degree. There is still a stereotype that to become a director or manager you will need a bachelor's degree, so be prepared to continue your education if you want to pursue that career path.

What advice would you give to the chemical technicians of the future?

College does not prepare you for a job, only experience can do that. Join professional societies in your field of work or areas of interest. Seek out technician-based, peer-mentoring groups such as the Mid-Michigan Technicians Group. Attend technical conferences and industry events, and gain new experiences by continuing your education and volunteering within the community, local government, chamber of commerce, and music and arts communities. Develop the ability to work in teams, solve problems, and be responsible for the accuracy and quality of your work.

With the job market being so competitive, what is the best way for new graduates to make themselves more hireable?

You should approach every job interview with basic knowledge of the job you are applying for. Research the company, understand its culture, and use your social network to connect with an employee at that company. Employers are looking for candidates with experience and trainability, a good attitude, and communication skills as well as entrepreneurial, leadership, and internship experience. You should

always follow-up a job interview with a thank-you note. Realize that hard skills will get you the interview, but you need soft skills to get—and keep—the job.

In Memoriam – Robert “Bob” D. Hansen

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

Editor’s note: Bob Hansen’s obituary as it appears here is reprinted, in part, from the February 23, 2016 issue of the *Midland Daily News*. His obituary makes mention of the fact that he was a member of the American Chemical Society.



Robert "Bob" D. Hansen passed away peacefully at King's Daughters Home, Midland, into the loving arms of his Savior, on Saturday, February 20, 2016. He was born February 25, 1929 in Quincy, IL, the son of the late Walter D. and Helene (Bruenger) Hansen. Bob graduated with a B.S. degree in chemistry from Valparaiso University with highest distinction in 1950.

On July 29, 1950 he married Eleanor "Ellie" Wild in Van Wert, OH. He earned his PhD in physical chemistry from Iowa State University in 1953. Bob served two years in the Army Chemical Corp from 1954-1956.

He was employed by The Dow Chemical Company in Research from 1956-1988. He was awarded many patents and was the author of numerous papers. He was a member of the American Chemical Society, the American Metallurgical Society, and Sigma Xi.

Bob was an active member of St. John's Lutheran Church in Midland, serving on several boards and singing in the choir for 30 years. He was active in the Tax-Aide program, a driver for Senior Services, and a member of Kiwassee Kiwanis. Bob enjoyed hunting and fishing, and spending time up north with his family.

He is survived by his wife of 65 years, Ellie; children, Peggy (Kirk) Gerstacker of Midland, Robert D. (Kathleen) Hansen, Jr., of Midland, Jane (Rev. Jeffrey) Draeger of Romeo, MI; grandchildren, Christine (Kyle) Suhan of Waxhaw, NC, Sara (Shane) Bennett of Midland, Matthew Hansen and his fiancée, Courtney First of Midland, Amy Gerstacker-Parsons (Jimmy) of Midland, Amber Gerstacker of Midland, Rachel Draeger of Medellin, Colombia, Katie Draeger of Romeo, MI; great grandchildren, Malekai, Rylan and Austin Suhan, Karli Bennett; and sister, Rosemary Tobias of St. Louis, MO. He was preceded in death by his sister, Charlotte Spear; and brothers-in-law, George Spear and James Tobias.

Funeral services for Bob took place at 10:30 a.m., on Wednesday, February 24, 2016, at St. John's Lutheran Church, 505 E. Carpenter Street, Midland, with the Rev. Daniel Kempin officiating. Bob's family received friends at the Ware-Smith-Woolever Funeral Home, 1200 W. Wheeler Street, Midland, on Tuesday, February 23, 2016, from 4-7 p.m., and at the church on Wednesday, February 24, 2016, from 9:30 a.m. until time of services. Graveside committal rites took place at the Midland Cemetery. Those planning an expression of sympathy may wish to consider St. John's Lutheran Church or the King's Daughters Home, where Bob received excellent and loving care.

Upcoming Dates, Events, and Other Updates

- March 6–10 – Kids and Chemistry/Teacher Support will be participating in Pittcon Science Week in Atlanta with student and teacher workshops. For more information, contact Gina Malczewski at reginamalczewski@gmail.com.
- March 7 (6:30 – 9:00 PM) – ACS Board meeting, Grand Traverse Pie Company, 2600 North Saginaw Road, Midland. If you would like to order food, please arrive well in advance to do so. The board meeting will be promptly at 6:30 PM. This meeting replaces the regularly scheduled board meeting that would normally take place at the Midland Center for the Arts.
- March 12 (12:00 – 3:00 PM) – Hands-on science and engineering demonstrations for students participating in the annual NOBCChE Great Lakes Bay Region Science Bowl, Gilbertson Hall, Saginaw Valley State University. Contact Domonique Downing (dodowning@dow.com) to express your interest in helping with the hands-on demonstrations, or for any questions.
- March 13–17, 251st ACS National Meeting & Exposition, San Diego, CA. For more information, see <http://www.acs.org/content/acs/en/meetings/spring-2016.html>.
- March 15 or 17 (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. Editor's note: A final, firm date for John Bissell's presentation had not been locked down as of the publication deadline for the March issue of *The Midland Chemist*. It will occur on either Tuesday, March 15, or Thursday, March 17. Please contact Tom Gregory (tdgregory@sbcglobal.net), Defne Kayrak-Talay (dkayraktalay@dow.com), or Bruce Holden (bsholden@dow.com) for final confirmation of the meeting date.
- 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.
- April 1 – Deadline for Midland Section ACS Spring Awards nominations to honor outstanding educators, volunteers, and colleagues. For more information, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- April 4 (4:00 – 5:00 PM) – CMU Chemistry/Biochemistry Department seminar, Room 175, Dow Science Building. Dow Chemical's Jaime Curtis-Fisk will be presenting on the topic of *STEM Education*.
- April 4 (5:30-6:30 PM) – CMU students will treat Midland Section ACS members to a FREE *College Dinner*, featuring the best of the best of college food fare (Mac 'n' cheese, Raman noodles, hot dogs, and other favorites). Location: Main corridor area of the Dow Science Building.
- April 4 (7:00 – 9:00 PM) – ACS Board meeting, Room 135, 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#.
- April 4 (9:00 PM – ??) – Post-Board meeting social, featuring CMU's Fermentation Science program inaugural brews, Hunter's Ale House, 4855 East Blue Grass Road, Mount Pleasant.

- April 12, 2016 (5:30 – 8:00 PM) – Evening dinner meeting with Dr. 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. Location: Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. 5:30 PM, cocktails and networking; 6:00 PM, plated dinner; 7:00 PM, after-dinner presentation by Dr. Barton on the *Chemistry of DNA*. Tickets are \$5 each. To RSVP please send an e-mail note to midlandwcc@gmail.com. For more information or for questions, please contact Beata Kilos (BAKilos@dow.com) or Tamlin Matthews (TDMatthews@dow.com).
- April 14 (7:00 PM) – *Science Café: Michigan Morel Mushrooms*, Saints & Sinners Lounge, Midland Center for the Arts, Midland. Appropriate for ages 14 and up. Tickets: \$8.00 event only, \$17.00 event plus pre-purchased book by author/presenter Dr. Vic Eichler, *Morel Mushrooms in Michigan and Other Great Lakes States*. Limited space available. For a guaranteed spot, please register early. See [Michigan Morel Science Café](#) for more information and to purchase tickets.
- April 15 – Deadline to RSVP for the Midland Section ACS Spring Awards Recognition Dinner, to be held on Wednesday, April 27, at the Great Hall Banquet & Convention Center, Midland. The cost of the dinner is \$16.00 per person and includes a plated chicken dinner, dessert, and beverage. You may RSVP by e-mail to Diana Deese at dkdeese@dow.com and pay at the door the evening of the event. For more information, or for any questions, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- April 16 (10:00 AM – 2:00 PM) – Earth Day Expo at Midland Center for the Arts. Demonstrations and hands-on activities for all ages. FREE admission. For more information, see [Earth Day Expo](#).
- April 27 (5:30 – 9:00 PM) – Midland Section ACS Spring Awards Recognition Dinner, Great Hall Banquet & Convention Center, 5121 Bay City Road, Midland. 5:30 PM, cash bar and social time; 6:00 PM, dinner; 7:00 PM, awards presentations. The cost of the dinner is \$16.00 per person and includes a plated chicken dinner, dessert, and beverage. To reserve a place, your RSVP must be received by Diana Deese, Awards Committee Chair, no later than Friday, April 15, 2016. You may RSVP by e-mail to Diana at dkdeese@dow.com and pay at the door the evening of the event. For more information, or for any questions, contact Diana Deese, Midland Section ACS Awards Committee Chair, at dkdeese@dow.com or 989-636-9915.
- May 2 (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#.
- May 12 (8:00 AM – 5:00 PM) – 13th Annual ChEMS Research Forum, Huntington Club at Spartan Stadium, Michigan State University, East Lansing. Registration, lunch, and refreshments are complimentary, but pre-registration to attend the forum is requested. To register for the event, go to <http://www.chems.msu.edu/forum2016/Registration>. For more information, see <http://www.chems.msu.edu/forum2016>, or call the MSU ChEMS Department at 517-355-5135, or send an inquiry by e-mail to chems@egr.msu.edu.
- May 18–21 – 47th ACS Central Regional Meeting, Covington, KY. For more information, see <http://www.acscerm2016.org/main/>.
- June 6 (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#.
- August 1 (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#.

- August 21–25 – 252nd ACS National Meeting & Exposition, Philadelphia, PA. For more information, see <http://www.acs.org/content/acs/en/meetings/nationalmeetings/meetings.html>.
- September 12 (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#.

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