
THE ACTION & REACTION

Newsletter of the Mid-Michigan Section of the American Institute of Chemical Engineers

Volume 22 Issue 1 🐛 March 2019

Apply Now! Undergraduate ChemE Scholarship

BY SHEILA GOMBAR-FETNER, SCHOLARSHIPS CHAIR

Chemical Engineering Education Scholarship

Mid-Michigan AIChE strives to promote the vision of the American Institute of Chemical Engineers (AIChE) by offering financial support to high school seniors who wish to study and ultimately become professionals in the field of chemical engineering. The scholarship will reward past academic performance as well as school and community involvement. It is not strictly based on financial need. It is intended for a student who has demonstrated a high proficiency in core academic courses and who has a high probability of success at obtaining a chemical engineering degree.

Who: High school seniors in the Great Lakes Bay Region.

What: A \$2000 scholarship over 4 years to study chemical engineering. Past winners of the scholarship must re-apply prior to each upcoming academic year.

Where: Any ABET-accredited chemical engineering program.

When: Begins Fall 2019.

Application Period: Applications are accepted until March 29, 2019.

Submit applications and obtain more information online at:



<https://www.aiche.org/community/sites/local-sections/mid-michigan/undergraduate-chemical-engineering-education-scholarship>

Questions? Contact Sheila Gombar-Fetner at SA Gombar-Fetner@dow.com

Call for Nominations: MMAIChE Section Awards

BY MIKE MOLNAR, AWARDS COMMITTEE CHAIR

Each year the Mid-Michigan AIChE Section recognizes distinguished members by presenting awards at the Annual Spring Banquet. We would like to recognize deserving members and affiliates so we request our membership to consider nominations for our four award categories. The award categories are:

Chemical Engineer of the Year - This award generally is given to a distinguished chemical engineer in the Mid-Michigan Section with about 20-30 years of professional experience following graduation. Publications, patents, company recognition of achievement, and other accomplishments in the field of chemical engineering are key criteria for consideration. The individual must be an active participant in AIChE at either the local or national level to be considered. This is normally an annual award.

Young Chemical Engineer of the Year - This award recognizes technical and professional expertise, and leadership that is superior for an early-career engineer. Service to AIChE is also a consideration for the award, but not an explicit requirement. It is

generally given to a person with approximately 4-12 years of service following graduation. This is normally an annual award.

Service to Society Award - This award recognizes long-time service to the profession through role modeling for other engineers and leadership of community activities that benefit area students and residents. Recipients usually have about 25-30 years of service following graduation.

Noland Poffenberger Award - This award is given to a high-level manager who has shown great support of the Mid-Michigan Section by encouraging employees within the recipient's organization to participate in professional organizations such as AIChE.

Anyone interested in nominating someone can do so by sending an e-mail letter to Michael Molnar, Awards Committee Chair, at michael.molnar@dow.com. Please copy Bruce Holden, Section Secretary, at bsh0@hotmail.com. The following information should be included:

- Identify the specific award category that you feel is most appropriate for the individual you are nominating.

- Include several paragraphs explaining why this individual is deserving of special recognition.
- Include background information in support of the nomination, such as a listing of professional accomplishments and service to AIChE.
- Also include a phone number where you as the person making the submission can be contacted for more information.

The deadline for submitting nominations is Monday, April 22, 2019. The awardees will be announced at the Annual Spring Banquet on May 14, 2019.

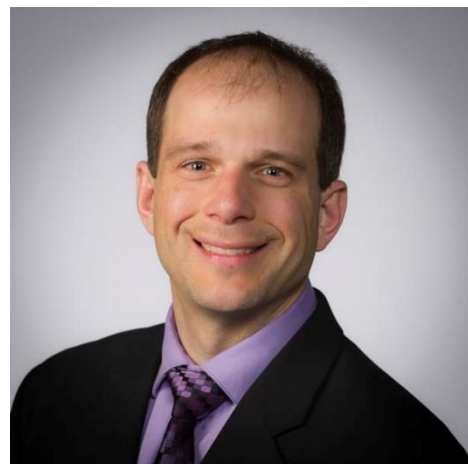
We certainly expect that there are many individuals in the area deserving of special recognition, so please consider nominating someone you know. The Awards Committee may decide not to give an award in a particular category if too few nominations are received. More information about the Mid-Michigan Section of AIChE is available at <http://www.mmaiche.org> and <http://www.aiche.org/community/sites/local-sections/mid-michigan>.

Words from the Chair: Balancing

BY JAY ROSE

The MMAICChE program year is already making the turn to the home stretch. We have had a great start to 2019 and the lecture series continues strong. As Chemical Engineers safety is a must before anything else. Sarah Eck taught us about the 14 elements of process safety management. She talked about how the most effective programs must have a balance of all the elements, no one more important than the other. She provided an encyclopedia of reference material that can help anyone hit the ground running. In February, Greg Theunick presented how process intensification efforts continue to grow in the industry. The U.S. Department of Energy and AIChE are involved in RAPID, the Rapid Advancement in Process Intensification Deployment. Greg talked about advancing equipment capabilities that can allow doing more with less by combining unit operations. This is one way to help balance the

need for reduced capital costs with critical material requirements. We had a great turnout for his lunch seminar. This marks the second year of the lunch time seminar “experiment.” As any good chemical engineer would, we are using a data driven approach, and therefore in the 2019-2020 season expect to see more seminars in this time slot. It appears this time slot allows some of our young professionals the opportunity to attend when they cannot normally attend our evening events due to family obligations. Striking the correct work life balance in today’s fast paced demanding world can be a challenge. **Don’t forget about our upcoming event in March at the Delta College Planetarium on March 14.** It should be a great time for networking before the movie and you can bring your family along if you choose. Although the snow and ice are still flying in Mid-Michigan, spring will eventually arrive. Our annual spring



banquet in May will feature guest speaker Hank Kohlbrand. I am looking forward to seeing you at one of our upcoming events.

Sincerely,
Jay Rose

2019 MMAICChE Elections

BY BRUCE HOLDEN, SECRETARY

Each year, the Mid-Michigan AIChE Section holds officer elections according to our approved bylaws which lay out a process including a nomination period, dissemination of ballots, and announcement of election results at the Section’s spring banquet which this year is on Tuesday, May 14 at the Midland Country Club. In addition to this newsletter article, we will be communicating election-related notices, news, and ballots by email via our current Section account, mmaiche@mmaiche.org, as well as on the Section web site at <https://www.aiche.org/communitiy/sites/local-sections/mid-michigan>.

Our currently-serving 2018-2019 Section officers are:

Jay Rose, Chair
Stacie Santhany, Chair Elect/Vice Chair

Ted Calverley, Past Chair
Bruce Holden, Secretary
Eric Stangland, Treasurer
Laura Dietsche, Director
Shawn Feist, Director
Paul Kehl, Director

As current Chair Elect/Vice Chair, Stacie Santhany will automatically succeed to Section Chair for 2019-2020, and current Chair Jay Rose will automatically succeed to the position of Past Chair for 2019-2020. All other officer positions will be up for election, and nominations will be solicited from all local MMAICChE members although suggestions from non-members will certainly be considered—self-nominations are also welcome! However, please be aware that any nominated candidates must be members of both AIChE and

MMAICChE in order to be placed on the election ballot.

The calendar for MMAICChE election events is as follows:

Call for Nominations: April 8
Nominations Close: 5:00 PM, April 29
Distribute Election Ballots: April 30
Election Ballots Due: 5:00 PM May 13
Announce Election Results: May 14
Spring Banquet

All newly-elected and succeeding officers will begin serving at the close of the spring banquet, and terms will expire at the close of the 2020 spring banquet. Please seriously consider nominating someone qualified for an officer position or consider serving yourself!

Mid-Michigan AIChE Fundraiser

A great cause
and some great food



All friends, family and supporters of [Mid-Michigan AIChE](#)
are invited to participate in their fundraising event on

Monday, April 22, 2019

Everyone is invited to gather at Buffalo Wild Wings in Midland (6728 Eastman Ave.) for lunch, dinner, or a snack. On this day, 20% of purchases* accompanied by the certificate below will be donated to

Mid-Michigan AIChE.

Mid-Michigan AIChE Fundraiser
Monday, April 22, 2019

Present this certificate to your server at the time of your order and 20% of your purchases* will go to support

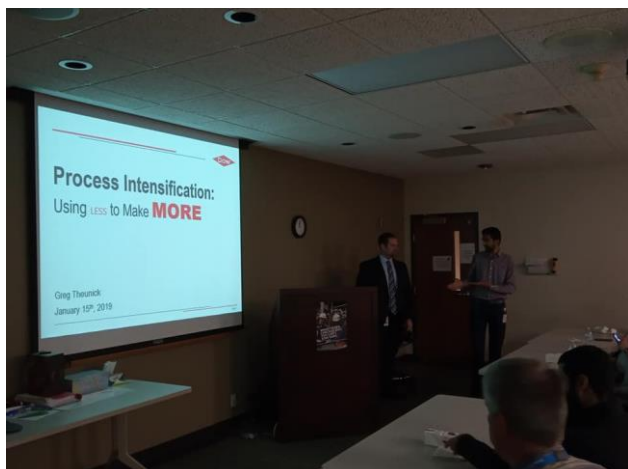
Mid-Michigan AIChE.



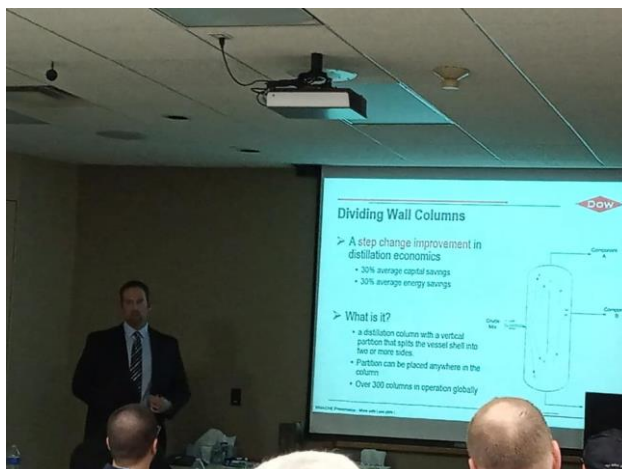
*Valid towards Dine-In and Carry-Out. Not valid towards gift card purchases. Flyers are not permitted to be distributed inside or outside the restaurant

Only valid at 6728 Eastman Avenue, Midland, MI (989) 633-9464

2019 MMAIChE Seminar Series



Greg Theunick, Process Intensification



Sarah Eck, Process Safety



Thursday, March 14: “From Earth to The Universe”

The Mid-Michigan AIChE Section would like to invite everyone to our upcoming March event, a show at the Delta College Planetarium – “From Earth To The Universe” on March 14th, 2019. The showtime is from 7-8 PM and tickets go on sale 1 hour before. Please note that the Planetarium does not take reservations. Therefore we encourage everyone to arrive at 6:30 PM so that you have some time to mingle with others and get your tickets. Family members are welcome. Cost of the tickets: \$7/adult; \$5/seniors, kids, Delta students, and active military. ***MMAIChE will be paying for the tickets of all local section (MMAIChE) members of record who attend (sorry, not including any family members or guests). So if you're a local member and wish to attend, please send an RSVP to mmaiche@mmaiche.org so we can buy the correct number of tickets.***

The Mid-Michigan Section of AIChE gratefully acknowledges the support provided by the following sponsors.



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2018–2019 Seminar Schedule

Event	Date, Time, and Venue	Speaker and Topic
October	October 09, 2018, 6–7:30 pm Grand Traverse Pie Co., Midland	France Guertin The Dow Chemical Company “Biomimicry – Inviting Nature @ Our Innovation & Design Table”
November	November 15, 2018, 6–7:30 pm Grand Traverse Pie Co., Midland	Becky Ladewski Ber-Nell Farm “Hitting Pay Dirt: How Sustainable Farming Can Help Mitigate Climate Change”
December	December 4, 2018, 6-7:30 pm Creative 360, Midland	Bill Liechty, Scott Tipler, and David Couling The Dow Chemical Company, Dow AgroSciences “A Winning Recipe: Chemical Engineers and Homebrew”
January	January 16, 2019, 12 – 1 pm Michigan Operations	Greg Theunick The Dow Chemical Company “Process Intensification: Using LESS to Make MORE”
February	February 6 2019, 6 – 7:30 pm Grand Traverse Pie Co., Midland	Sarah Eck Corteva “Process Safety”
March	March 14, 2019, 6:30 – 8 pm Delta College Planetarium	Movie: “From Earth to the Universe”
April	April 17, 2019, 6–7:30 pm Grand Traverse Pie Co., Midland	Ron Leng Corteva “Defining Moments – things I didn’t learn in school that shaped my career”
May Spring Banquet	May 14, 2019 Midland Country Club	Hank Kohlbrand HT Consulting “Food-Energy-Water Nexus”