

# SAE MILWAUKEE

An SAE International Section

## Upcoming Events

Collegiate Chapters  
Student Night

- November 6
- UW-Milwaukee

Milsco

- February 11

Case New Holland

- March 11

Ford Mustang and F-150

- April

## Next Event

# Collegiate Chapters Student Night

November 6, 2014

5:00 PM



**Milwaukee, WI**

**Registration required - No walk-ins**

**Registration deadline: October 30**

# About the Next Event

## Event Agenda

**Registration/Displays:** 5:00pm to 6:30pm

**Dinner/Presentations:** 6:30pm to 9:00pm

**Meal:** Backyard Barbecue Buffet  
Mesquite Chicken and Pulled Pork  
Kansas City and Texas BBQ Sauces  
Choice of 2 Side Dishes  
Beverage

## Registration Fees

**SAE Members** ..... \$15.00

**Retirees** ..... \$15.00

**Guests/Non-members** ..... \$20.00

**Students** ..... FREE  
(Students need to preregister to receive free admission)

## Registration

**Registration Deadline:** October 30, 2014

**Maximum Attendance:** 120 attendees

**Ways to Register:**

- Online with a charge card via [www.saemilwaukee.com](http://www.saemilwaukee.com)
- By phone at (262) 424-4958 (Jim Ryan)
- By email at [ryan\\_james\\_w@cat.com](mailto:ryan_james_w@cat.com) (Jim Ryan)

**Registration required – no walk-ins allowed**

**Location:**

UW-Milwaukee Student Union Ballroom – 2200 E. Kenwood Blvd, Milwaukee, WI 53211

**Displays:**

Student Design Series competition vehicles will be on display and student representatives will be present to interact with guests. This is an opportunity for each chapter to showcase the efforts of their chapter throughout the past year.

**Presentations:**

Student chapter representatives will present on their chapters' projects, achievements, and activities. Professional members have the opportunity to rate the presentations. Ratings will be used to allocate monetary awards to the student chapters.

**Guest Speakers:**

SAE Milwaukee Section Governing Board Introductions

# Location Map



## Parking:

On the southeast side of the Union there is underground parking in the Union parking garage, and to the northwest of the Union just beyond the pedestrian bridge that runs over Maryland Ave. there is a parking ramp beneath the Lubar School of Business building (park only in spaces designated "Public Parking"), also additional street parking is available on neighborhood streets located in the area due south of the Union.

## Directions:

### From the East:

Take I-94 West to I-43 North  
Turn right to go East on Locust St.  
Turn left on Maryland Avenue the head north  
The Union will be just North of Kenwood on your right  
Parking is under the bridge on your right.

### From the West:

Take I-94 East to I-43 North  
Turn right to go East on Locust St.  
Turn left on Maryland Avenue the head north  
The Union will be just North of Kenwood on your right  
Parking is under the bridge on your right.

### From the North:

Take I-43 South  
Turn right to go East on Locust St.  
Turn left on Maryland Avenue the head north  
The Union will be just North of Kenwood on your right  
Parking is under the bridge on your right.

# SAE Milwaukee Section Board Member Spotlight

This month's featured board member:

## Matthew Anderson – SAE Baja Section Chairman

Matthew started his love for the automotive market and all things mechanical at an early age working in the garage with his grandfather and father. He enhanced his passion by competing in automotive troubleshooting contests at the national level in high school, becoming a Ford Master Service Technician through MATC's Ford ASSET program, and ultimately getting a Bachelor of Science Degree in Automotive Engineering from Minnesota State University Mankato. While at MSU, he competed in the Formula SAE competition which was his first experience with SAE and the SAE Collegiate Design Series. Upon graduation, Matthew continued his involvement with SAE by transitioning from a student member to a professional member.

Matthew currently works at Briggs & Stratton as an Application Engineer working with Commercial and Industrial OEMs. His main area of focus has been in construction, forestry, and concrete finishing equipment. He has achieved a Level 2 ANST Vibration Analyst certification and works on NVH application issues as well as Modal and ODS analysis. In addition to completing his Masters of Business Administration at Concordia University Wisconsin in 2011, he also helps serve as a Briggs & Stratton contact for SAE Baja. He is still active in SAE by serving on the Milwaukee Section Board since 2012 as the newsletter editor and now as the SAE Milwaukee Section Baja Chairman. He will be working to bring the SAE Baja competition back to Wisconsin in the future and coordinating that event with SAE International. Matthew is also shadowing the student activities committee to understand the work they do and assist them with generating additional involvement from other colleges and universities.

Along with his involvement with SAE, Matthew enjoys golfing, fishing, and tinkering in his garage just as he did when he was young.



## Milwaukee Section 2014-2015 Governing Board

**CHAIRMAN:**

Garrett Herning—Power Test Dynamometers  
[garretth@pwrtest.com](mailto:garretth@pwrtest.com)

**VICE CHAIRMAN: OPEN****SECRETARY:**

Drew Caron—Rexnord  
[andrew.caron@rexnord.com](mailto:andrew.caron@rexnord.com)

**TREASURER:**

Mitch Crawford—Modine Manufacturing Co.  
[m.s.crawford@na.modine.com](mailto:m.s.crawford@na.modine.com)

**PAST CHAIRMAN:**

James Ryan—Caterpillar  
[jim.ryan@cat.com](mailto:jim.ryan@cat.com)

**HISTORIAN:**

Wayne Richter  
[richterway@sbcglobal.net](mailto:richterway@sbcglobal.net)

**AWIM/EDUCATION:**

Sid Jain - Modine Manufacturing Co.  
[S.Jain@na.modine.com](mailto:S.Jain@na.modine.com)

**WEBMASTER:**

Cara Kazda—Kuss Filtration  
[cara.kazda@kussfiltration.com](mailto:cara.kazda@kussfiltration.com)

**MEMBERSHIP VICE CHAIR:**

Dale Wiza—Professional Engineering Placements  
[dale@engineeringplacements.com](mailto:dale@engineeringplacements.com)

**COMPANY AMBASSADORS:**

Tony Grant  
[tony.grant@earthlink.net](mailto:tony.grant@earthlink.net)

**COLLEGIATE RELATIONS:**

Mike Krauski—UW-Milwaukee  
[krauski@uwm.edu](mailto:krauski@uwm.edu)

**STUDENT ACTIVITIES:**

Randy Hoffman—WCTC  
[rhoffman2@wctc.edu](mailto:rhoffman2@wctc.edu)

**CAREER DEVELOPMENT:**

Dale Wiza—Professional Engineering Placements  
[dale@engineeringplacements.com](mailto:dale@engineeringplacements.com)

**SENIOR ADVISOR:**

Kurt Person—HB Performance Systems

**SOCIAL MEDIA MANAGER:**

Drew Boyer—Modine Manufacturing Co.  
[a.m.boyer@na.modine.com](mailto:a.m.boyer@na.modine.com)

**NEWSLETTER EDITOR:**

Mike Fricke—HUSCO Automotive  
[michael.fricke@huscoauto.com](mailto:michael.fricke@huscoauto.com)

**STUDENT PROFESSIONAL TRANSITION MANAGER:**

Nerissa Hanson—Mercury Marine  
[nerissa.hanson@mercmarine.com](mailto:nerissa.hanson@mercmarine.com)

**MINI BAJA CHAIRMAN:**

Matt Anderson—Briggs & Stratton  
[anderson.matthew@basco.com](mailto:anderson.matthew@basco.com)

**STUDENT REPRESENTATIVES:**

Marquette: Jace Birschbach—[jace.birschbach@marquette.edu](mailto:jace.birschbach@marquette.edu)

MSOE: Karl Hundt—[hundtk@msoe.edu](mailto:hundtk@msoe.edu)

UW-Milwaukee: Nate Sievers—[nsievers@uwm.edu](mailto:nsievers@uwm.edu)

Michigan Tech: TBD

UW-Madison: TBD

Northern Michigan University: TBD

## A Letter from the Chairman

Hello SAE Milwaukee Section and Friends,

With the days getting shorter and the leaves turning colors, it can only mean one thing. It's almost time for our annual Student Night. If you have never attended a student night, take the opportunity this year to see how the Milwaukee SAE Section supports the six Student Chapters in our area. In addition to seeing all the schools display their project vehicles, each chapter will be giving a presentation and we need people from industry to help judge these presentations. It's a great experience interacting with the students, sharing stories, and being able to give advice and mentorship as they begin looking out to the world that exists after college.

After Student Night the Milwaukee SAE Section will take a break for the Holidays. The Holidays can be hectic, but I hope everyone gets a chance to spend some quality time with loved ones and enjoy the season. Take some time to reflect on 2014 and get ready for an exciting 2015. We have a great lineup of events for 2015. Keep an eye on your mailbox in the new year as I hope to see all of you at an upcoming meeting.

Thank you.

Garrett Herning  
SAE Milwaukee Section – Chairman

## Thank you

We would like to thank Manitowoc Cranes for donating the expenses related to the October SAE Milwaukee event which they hosted. Generosity like this allows the SAE Milwaukee Section to direct more funds to support student projects, which are integral in the development of their knowledge and the future of engineering industries.



**NEW!!**



## SAE Board Member Shadow Program

Members, your board of directors has created a new way for you to get involved in the activities of the SAE Milwaukee Section!

Do you like the service and support that your SAE Milwaukee Section provides to you? Do you have some fresh ideas to make your section better? **Or.....would you like to just get involved?**

If you would like to participate but do not know how to get started, we have the program for you. This new program allows you to shadow a board member to learn the details of what they do for this section. With this opportunity you can investigate/help a position that interests you without jumping in with both feet. This will allow you to participate to the level you are comfortable with or find the position that suits your talents and/or interests.

***We would like to invite you to Shadow a Board Member.***

If you are interested in this opportunity please contact any of your SAE Milwaukee Section Board Members.

## SAE Milwaukee STEM/AWIM program

Your Milwaukee Chapter needs your help with expanding the AWIM program within the local schools. AWIM (A World In Motion) is a teacher-administered, volunteer-assisted program that brings Science, Technology, Engineering and Math (STEM) education to life for K-12 grade students. Program focuses on various age-appropriate challenges that are taught through the use of “kits” – students build different models using these kits while learning about basic principles of physics, motion and flight.

We have paired up with Messmer Prep and St. Rose/St. Leo schools in Milwaukee and will be introducing the AWIM program there



- Both schools are part of the Messmer Catholic Schools and serve the inner city students through a Voucher/Choice program
- This is **first time** a program of this kind is being introduced at Messmer – the program was **specifically requested by teachers** there to inspire girl students and encourage them to pursue STEM subjects later in their educational career
- AWIM program to be introduced for 4<sup>th</sup> and 5<sup>th</sup> grade students at both schools, with a focus on all 3 elementary and one middle school challenge
- **We want YOUR help** in assisting students in Fall and Spring sessions in after-school program setting (~ 3:30 – 5:00 pm)

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