

# SAE MILWAUKEE

An SAE International Section

## Upcoming Events

Cruise In

- August 23

Wacker-Neuson

- September 10

MacLean-Fogg,  
Whitewater Plant

- Mid-October

Student Night, Marquette  
University

- November

## August 2015 Newsletter

September Event:



**WACKER  
NEUSON**

**September 10, 2015**

**5:00PM**

N92 W15000 Anthony Avenue  
Menomonee Falls, WI

# About the Event

As one of the global market leaders the Wacker Neuson Group develops, manufactures and distributes light equipment (Concrete-, Compaction-, Construction technology) and compact equipment (Wheelloaders, Skid Steers, Excavators, Dumpers). The group is worldwide active with more than 50 affiliates, 140 sales and service stations as well as 12,000 dealer and service partners.



The Wacker Neuson Group is the partner of choice among professional users across a wide range of industries, including the construction, gardening, landscaping, agriculture, recycling, and energy sector. Innovative products of the brands Wacker Neuson, Kramer and Weidemann as well as a wide range of services are highly appreciated. Established in 1848 the group has 4,500 employees worldwide.

The presentation will feature Keith Herr, Vice President and Managing Director and Fred Paul, Sales & Applications Engineering and Training Center Manager. Keith oversees all manufacturing, engineering, purchasing, and quality operations for the Menomonee Falls facility as well as the Norton Shores, MI facility. Fred, who has over 25 years of experience at Wacker Neuson, conducts and oversees Wacker Neuson equipment and sales training. This training is conducted for Wacker Neuson employees and its customers.



The presentation will share some information about the history and organization of Wacker Neuson. It will also discuss the Menomonee Falls production plant. It will discuss the breadth of the Wacker Neuson product line, varying applications and differences of Wacker Neuson products.



# Event Agenda

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Registration .....	5:00-5:15pm
Tours.....	5:00-6:15pm
Dinner.....	6:15-7:00pm
Presentation.....	7:00pm-8:00pm

## Registration Fees

SAE Members .....	\$20.00
Retirees.....	\$15.00
Guests/Non-members .....	\$30.00
Students.....	\$5.00

## Registration

**Registration Deadline:** September 4th

**Maximum Attendance:** 90 attendees

### **Ways to Register:**

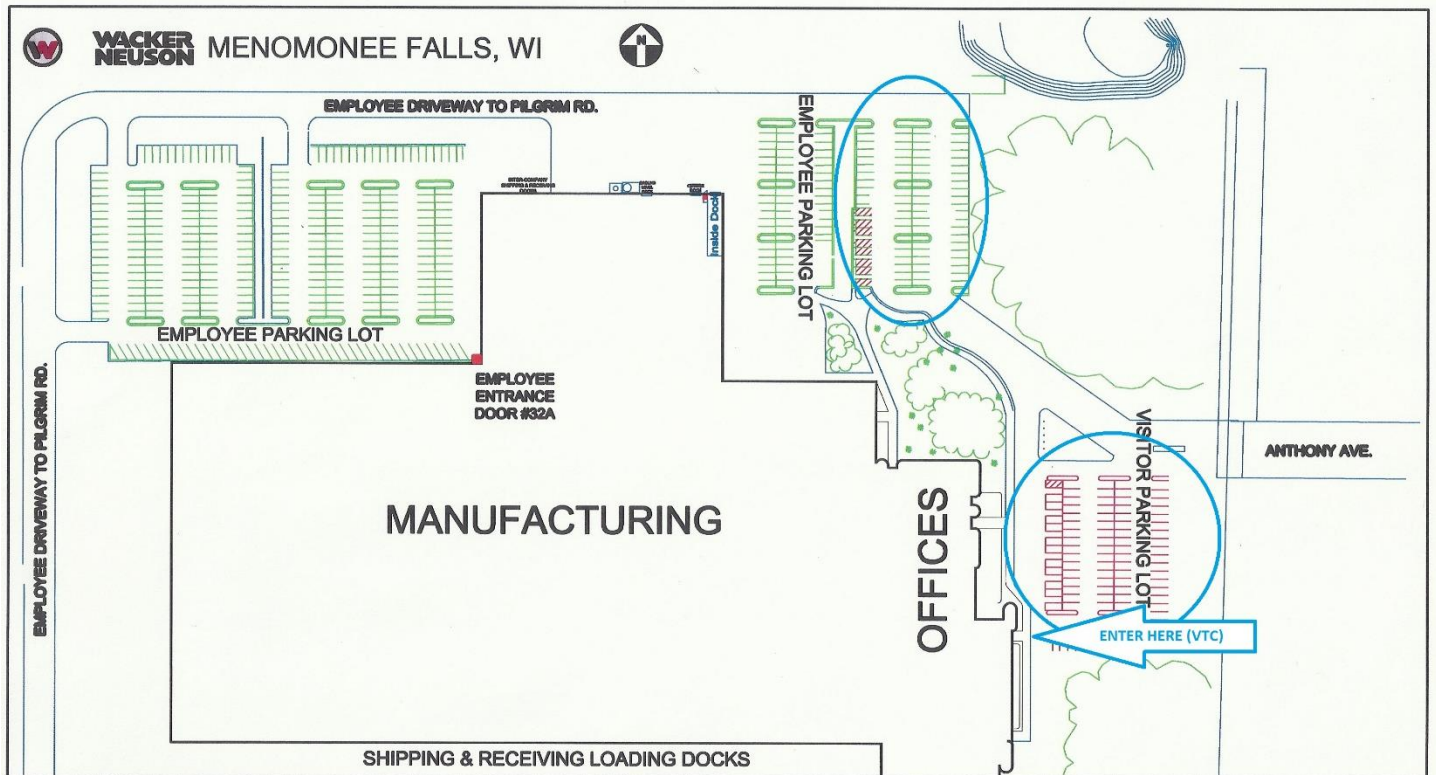
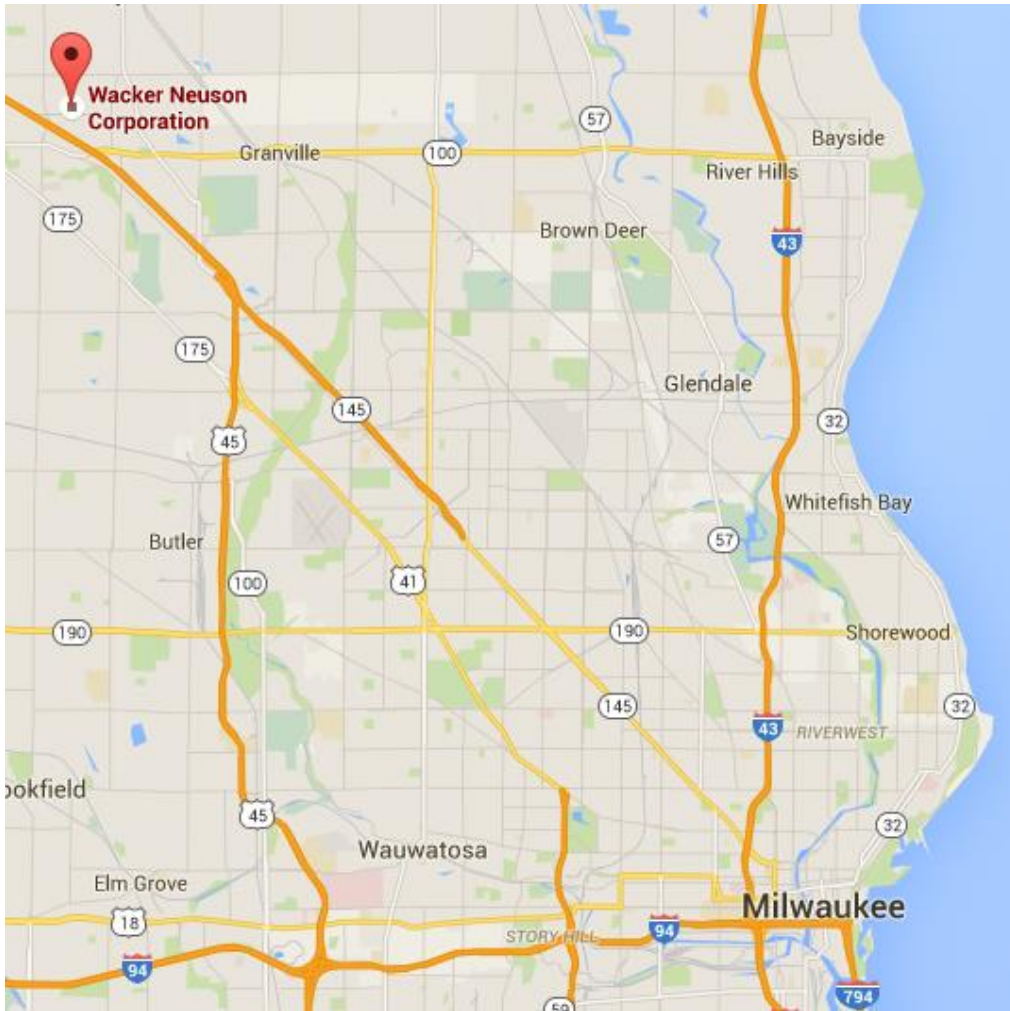
- Online with a charge card via [www.milwaukeeesae.com](http://www.milwaukeeesae.com)
- By phone: (414) 807-9663 (Dale Wiza)
- By email: [Dale@EngineeringPlacements.com](mailto:Dale@EngineeringPlacements.com) (Dale Wiza)

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

### ***Please note:***

- Guests must state employer when arriving. Wacker Neuson withholds the right to not allow competitors. Guests should plan to present and leave a business card (if available) before the tour.
- No open-toed or high-heel shoes.
- Please use the Anthony Ave entrance. Park in either of the 2 circled areas on the map on the following page. For the red spaces closest to the door, please give priority parking to our more senior members.





# Summer Highlights



Touring the Falk facility in May



SAE Milwaukee collegiate vehicles at Road America



A gorgeous day at IndyFest!



The SAE display drawing a crowd at IndyFest!



Old racecars on display at IndyFest



This summer, SAE Milwaukee had several great events! The most recent formal event was hosted by Falk. After touring the facility, a presentation was given regarding their gear drive systems.

In June, SAE Milwaukee had a special weekend at Road America for the SCCA June Sprints. The section set up a display that showed-off the student project vehicles. This event was well-attended and a good time was had by all!

During the annual IndyCar race at the Milwaukee Mile this past July, the SAE Milwaukee Section displayed a booth and multiple student collegiate design vehicles. It was great exposure for the section, and the student vehicles garnered a lot of interest from race fans. We also had nearby access to the IndyCar pits being set-up in the track's infield. Throughout the weekend, 2 engineers from within the IndyCar stopped by our booth to give a Tech Talk. They each spoke about their job as an engineer working within IndyCar and answered questions from the audience. It was a great event that the SAE Milwaukee Section hopes to continue in the future. The SAE Milwaukee Section would like to thank Andretti Sports Marketing for their sponsorship and support in our section during the Milwaukee IndyFest event. Special thanks to Verizon for providing special access tickets to our volunteers!



# MACC Fund Car Show

You're invited to join us at the MACC Fund's Car Show on Sept. 13th. Please consider volunteering there, as we need help with parking, traffic flow, etc.

# HILLER FORD

expect more

presents the 2015 6<sup>th</sup> Annual

## MACC FUND CAR SHOW

### Turbo-charged Sponsors:

- American Foundation Specialists
- Glen Richlen and Sons
- Ray's Butcher Shoppe
- IMS Group 11 Communications
- Rallye Productions
- DuPont Registry



Show will be held at Hiller Ford  
6455 S. 108th Street, Franklin, WI  
Sunday, September 13, 2015  
9:00 AM – 4:00 PM – Rain or Shine



**Car Registration 9:00 AM – 1:00 PM**  
**Awards at 3:00 PM Must be present to win.**

**\$9.00 Pre-registration / \$11.00 Registration Day of Show**

Self-classification Judging Done. Point System by Participants.

Dash Plaques to First 500 Vehicles.

1<sup>ST</sup> Place and Outstanding in Class Awards.

\*Erie Insurance and Forest Home Auto Body-Carstar will present a Recycled Ride to a Veteran.

## Great Food by Ray's Butcher Shoppe

### Music by The Rock and Roll Express



100% OF ALL EVENT PROCEEDS BENEFIT



**MACC FUND**  
Hope for Kids



For more info, contact Dale at 414-807-9663 or [dale@engineeringplacements.com](mailto:dale@engineeringplacements.com).

Learn more at <http://www.maccfundcarshow.com/>

## Summer Cruise In

When: August 23<sup>rd</sup> 9:00 am

Where: From HB Performance to KMCC Custom Car Show  
(Sheboygan Chevrolet Buick GMC Cadillac)

Summer is finally here! Mark your calendars and start your engines for a day of cars, hot rods and bikes on Sunday August 23<sup>rd</sup> for our 2<sup>nd</sup> annual SAE Milwaukee Section Cruise In. Break out the car wax and chrome polish, and then bring your favorite classic ride, hot rod, motorcycle, or performance car to HB Performance South Lot at 9:00 am. We will gather, compare a few notes and stories, and then make the trek up to Sheboygan for the 30<sup>th</sup> Annual Kettle Moraine Corvette Club Custom Car Show.



Members: Goto: [www.milwaukeesae.com/](http://www.milwaukeesae.com/)  
to register your attendance.

Friends: E-mail [garreth@pwrst.com](mailto:garreth@pwrst.com) or call Garrett at 262-309-3622 to register your attendance.

Contact: Garrett Herning ([garreth@pwrst.com](mailto:garreth@pwrst.com)) with any questions.

If you would like to enter your car or bike in the KMCC Custom Car Show, the pre-registration form can be downloaded through [this link](#). (Note: It is normal if a security message is shown when you click on the link. Click "Allow" or "OK" to download the flyer from KMCC's website.)

All vehicles must have current registration, license plates and insurance. Vehicles must be driven to HB Performance. No race vehicles, trailers, or vehicles on trailers permitted.

# MSOE SAE Competition Report

The MSOE Supermileage Vehicle team attended the SAE Supermileage competition at the EATON proving grounds on June 4<sup>th</sup> and 5<sup>th</sup> in Marshall, Michigan. After a long first day in the hot sun working out a number of electrical bugs and prepping the car for competition, the team was able to pass through technical inspection by noon on the second day. The first run of the day was a success and after a quick turnaround, the car was back on the track for a second run in which the team achieved its highest fuel economy at 591 mpg. With this improvement of over 70 mpg from an earlier competition, the MSOE team placed 5<sup>th</sup> out of 24 entries in the on-track portion of the event. This accomplishment was made possible due to the great camaraderie the team has developed. Aside from the excellent results achieved with a new engine, the team had a successful year and gained knowledge that will help improve the new vehicle that is currently being built.



The MSOE Formula Hybrid team took 4<sup>th</sup> place out of 13 teams at the 2015 competition held at the New Hampshire Motor Speedway. Competition points were awarded based upon a project management presentation, a design presentation, and vehicle performance in three dynamic racing events, namely autocross, acceleration, and endurance. MSOE took 2nd place in the project management presentation, which was delivered to representatives from Ford, GM, and Fiat-Chrysler. We took 6th place in the design event, where we presented our car and its unique design aspects to a panel of judges. Due to some small but irreparable electrical issues, we were not able to compete for points in the dynamic events. However, because of the vehicle's sound construction and attention to detail, we were able to pass our mechanical technical inspection on the first try, a rare accomplishment at the Formula Hybrid competition. Although we could not earn any points in the dynamic events, we were cleared to race for testing purposes. We ran in the acceleration event and the endurance event, and we were able to identify things that worked well and things to improve upon next year. Overall, we are extremely proud of our results this season, and we are very excited to see what next season will bring.



# SAE Milwaukee Section Board Member Election Results

At the last board meeting, the SAE Milwaukee Section board members for the 2015-2016 year were chosen. Results of the election are below:

Section Chair: Garrett Herning  
Vice Chair: Van Phifer  
Secretary: Drew Caron  
Treasurer: Mitch Crawford  
Historian: Wayne Richter  
AWIM/Education: Sid Jain  
Webmaster: Cara Kazda  
Membership Vice Chairman: Nerissa Hanson  
Company Ambassador: Wayne Richter  
Collegiate Relations: Mike Krauski  
Student Activities: Randy Hoffman  
Career Development: Dale Wiza  
Senior Advisor: Kurt Person  
Social Media Manager: Drew Boyer  
Newsletter Editor: Mike Fricke  
Baja Chairman: Drew Caron

Congratulations to all new and returning board members!

# In Memory

Our SAE Milwaukee Section is saddened to hear of the death of Jeremy Monnett, CEO of Sonex Aircraft, Oshkosh, Wisconsin on June 2 in a crash of one of their aircraft. Also killed was Mike Clark, a mechanic for Sonex. Many SAE Milwaukee section members will recall our most interesting tour and technical presentation by Jeremy Monnett at our May, 2013 member meeting. We express our sympathy to the Monnett and Clark families and to Sonex Aircraft.

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OSHKOSH (WKOW) -- A Wisconsin company that designs and makes airplanes says its chief executive and a mechanic were the two people killed in a plane crash Tuesday at an Oshkosh airport.

Sonex Aircraft says CEO Jeremy Monnett and assembly mechanic Mike Clark were in the single-engine plane that crashed at Wittman Regional Airport. Oshkosh Corp. says the two-seater hit some of its vehicles it stores near the east end of the runway. No one on the ground was hurt.

Monnett is the son of Sonex founder, John Monnett. The company is based in Oshkosh. Its web site says it makes sport planes and the Xenos Motorglider.

The Federal Aviation Administration and the National Transportation Safety Board are investigating the cause of the crash.

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OSHKOSH (AP) -- Federal aviation investigators are in Oshkosh to find out why a single-engine plane crashed near Wittman Regional Airport, killing two people.

Federal Aviation Administration and National Transportation Safety Board members have removed the Sonex fixed-wing aircraft from the crash scene at Oshkosh Corp.'s north plant.

The two-passenger plane went down Tuesday afternoon, killing the two people inside. No one on the ground was hurt, but one of the company's plants was evacuated. The plane crashed into some of the truck manufacturer's vehicles.

FAA records show the plane is registered to an executive of Sonex, a company based in Oshkosh that sells the plane as a kit.

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George Henry Wolter, a long-time SAE Milwaukee member passed on Saturday, Aug 8<sup>th</sup> at the age of 87. Funeral arrangements have been made with Hartson Funeral Home in Hales Corners on Friday, Aug 14<sup>th</sup>. George was a WWII veteran, engineer, woodworker, and bicyclist. SAE Milwaukee sends its deepest condolences to the Wolter family.



# Milwaukee Section 2015-2016 Governing Board

**CHAIRMAN:**

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

**VICE CHAIRMAN:**

Van Phifer

**SECRETARY AND BAJA CHAIRMAN:**

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

**TREASURER:**

Mitch Crawford—Modine Manufacturing Co.  
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**HISTORIAN & COMPANY****AMBASSADOR:**

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**AWIM/EDUCATION:**

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

**WEBMASTER:**

Cara Kazda—Cummins Filtration  
[cara.kazda@cummins.com](mailto:cara.kazda@cummins.com)

**MEMBERSHIP VICE CHAIR:**

Nerissa Hanson—Harley-Davidson  
[nerissa.hanson@harley-davidson.com](mailto:nerissa.hanson@harley-davidson.com)

**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—Hayes Performance Systems  
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**SOCIAL MEDIA MANAGER:**

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**NEWSLETTER EDITOR:**

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

## A Letter from the Chairman

Greetings SAE Milwaukee Section and Friends!

I hope everyone is having an enjoyable summer and enjoying the beautiful days we have had the last few weeks. With fall just around the corner, we are getting ready to kick off a new SAE year of events. We have a dynamite schedule of events in the works for this year.

Wacker-Neuson is hosting our first event for this year and has a program planned that you do not want to miss. A worldwide manufacturer of lightweight and compact equipment with engineering and manufacturing in Menomonee Falls. Come hear about the company history, their facilities, and what innovation separates them from others in their industry.

On August 23<sup>rd</sup> we will be holding our second annual Cruise In, so get out your favorite ride and meet us at HB Performance where we will then “cruise” up to Sheboygan for the Kettle Moraine Corvette Club’s 30<sup>th</sup> annual Custom Car Show. There will be plenty of food, music, cars, trucks, bikes, and fun.

We are still actively looking for members interested in helping on the Governing Board. Our Shadow program lets you “shadow” a board member and contribute to the section. Help us continue to build and grow the Milwaukee SAE Section. We have plenty of opportunities to help you get involved and grow your leadership skills.

Lastly we are working to develop our AWIM program. AWIM stands for A World In Motion and is a way to help expose middle school and high school students to the engineering field. Somewhere along the way someone pointed you on the path to Engineering, do that same thing for another youth by contacting our AWIM chair to see the opportunities we have available.

Garrett R. Herning  
SAE Milwaukee Section - Chairman

## 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 Randy Hoffman at (920) 397-6644.





## SAE Milwaukee STEM/AWIM program

Your Milwaukee Section 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)
- **For more information on volunteering, please contact Sid Jain, [S.Jain@na.modine.com](mailto:S.Jain@na.modine.com)**

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