

# SAE MILWAUKEE

An SAE International Section

Upcoming Events

November 2018 Newsletter

## SAE Student Night



**Michigan Tech**



THE UNIVERSITY  
of  
**WISCONSIN**  
MADISON



UNIVERSITY of WISCONSIN  
**UWMILWAUKEE**



November 1<sup>st</sup>, 2018

5:00pm

Hosted by

University of Wisconsin-Milwaukee

UWM Student Union Ballroom

2200 E Kenwood Blvd, Milwaukee

# About the Event -

## Displays:

SAE Milwaukee Section Student Chapter Collegiate 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. Come see the amazing projects the students design and build through the year!



## Presentations:

Student chapter representatives will articulate on their chapters' projects, achievements, and activities. Professional members have the opportunity to rate the presentations. This is one of the biggest nights for the student chapters, as they have the opportunity to earn significant funds for their projects, based on their ratings.

As part of the evening events, Generac, who is sponsoring the event, will also be presenting.

Milwaukee Section Student night is sponsored by:



# About the Event –

## Event Agenda

Registration .....	5:00-5:30pm
Vehicle Displays.....	5:00-6:00pm
Dinner.....	6:00-6:45pm
Presentations.....	6:45pm-8:15pm

## Registration Fees

SAE Members .....	\$25
Retirees.....	\$20
Guests/Non-members.....	\$35
Students.....	Free with pre-registration

## Registration

**Registration Deadline:** October 20<sup>th</sup> Noon.

**Maximum Attendance:** 120 attendees

**Ways to Register:**

- Online via the [SAE Milwaukee website](#)
- By phone: Randy Hoffman – (920) 397-6644
- By email: Randy Hoffman -- [rhoffman2@wctc.edu](mailto:rhoffman2@wctc.edu)

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

### **Location:**

University of Wisconsin-Milwaukee, UWM Student Union Ballroom, 2200 E Kenwood Blvd

### **Parking Instructions:**

Parking is available for guests in the Union underground parking structure, the Lubar parking structure and if required, the Northwest Quad Parking garage (longer walk to the Union). There is also street parking available around campus.

Teams bringing trailers to transport CDS vehicles will park in an auxiliary location and drivers will be shuttled to the Union. Be sure trailers are locked and secured.

## Directions:

### From the East/South:

Take I-94 West to I-43 North

Turn right to go East on Locust St.

- 1) Turn left on Maryland Avenue the head North

The Union will be just North of Kenwood Blvd on your right

Lubar Parking us under the bridge on Maryland Avenue on the right

Union Parking is on north side of Kenwood Blvd on east side of the Union

### From the West:

Take I-94 East to I-43 North

Turn right to go East on Locust St

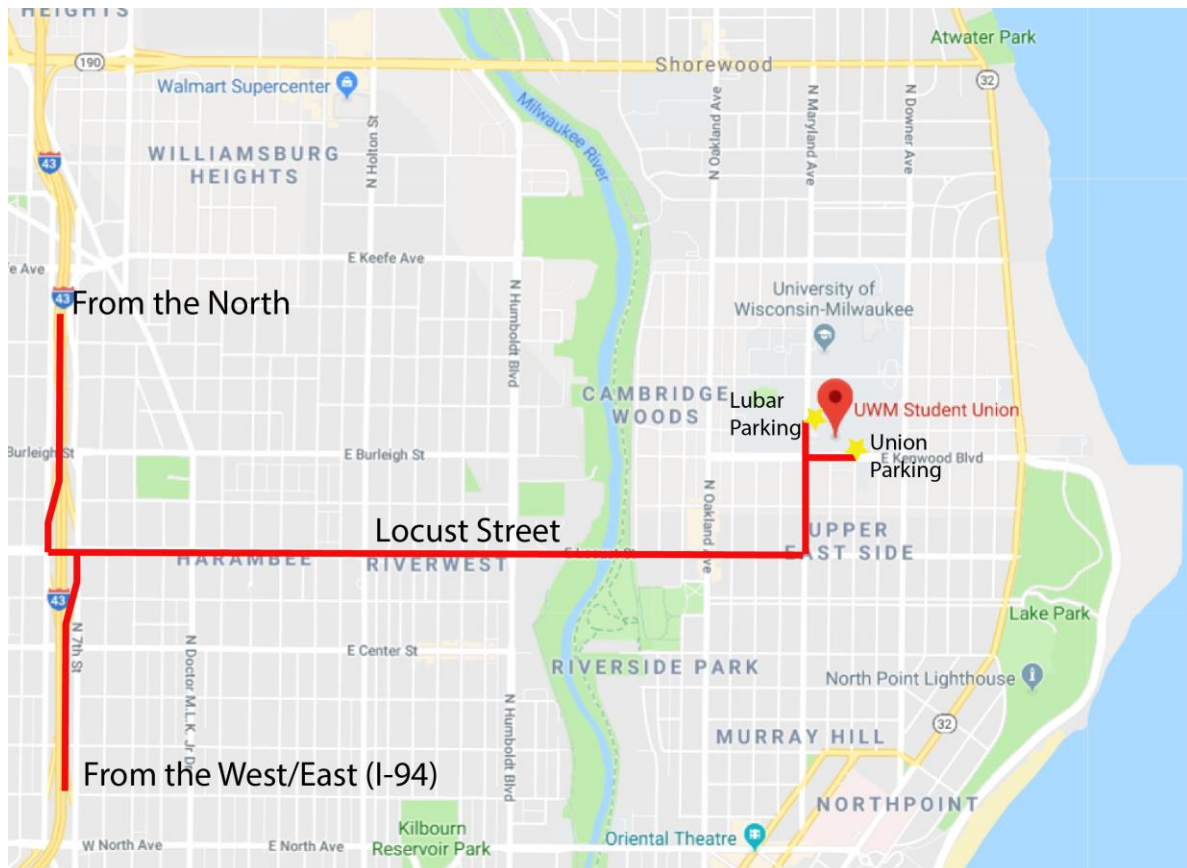
Follow directions starting at 1) above

### From North:

Take I-43 South

Turn left to go East on Locust St

Follow directions starting at 1) above

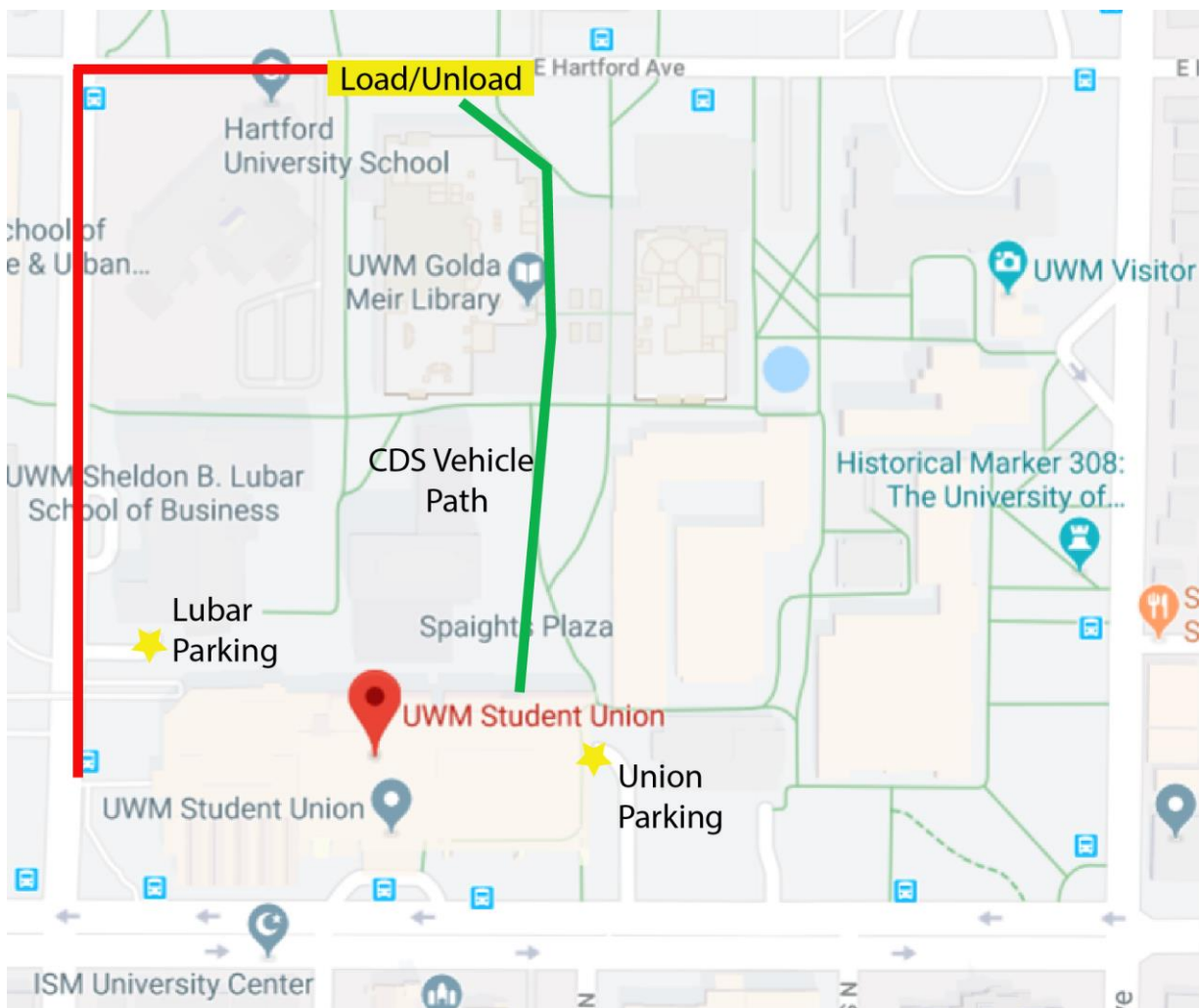




## Loading/Unloading Instructions for Student Teams:

All teams unloading a CDS vehicle should continue straight on Maryland Ave to Hartford Ave and turn right. You will end up in front of the Golda Meir Library. You will be met by UWM personnel to quickly and efficiently unload vehicles from trailers. You will then be directed to the auxiliary parking location and shuttled back to the Union.

At the end of the event, Drivers will be shuttled to their trailers and loading will work in a similar but opposite fashion as unloading.





David Pollock, Principal Engineer and James McFarland Ph.D., Sr. Electrical Engineer, will be discussing how alternators are designed from initial concept to production ready material. I hope you'll be able to join us and bring a colleague or two with you!

Additional details are below along with a link to RSVP:

**Topic:** "[Challenges in Alternator Design: Theory to Reality](#)"

**Date:** Wednesday, October 17, 2018

*There is no charge for the event. Food and refreshments will be provided.*

**Schedule:**

5:30 pm – 6:15 pm: Arrival and Social

6:15 pm – 6:30 pm: Welcome and Introduction to Generac

6:30 pm - 7:30 pm: Presentation: Challenges in Alternator Design: Theory to Reality

7:30 pm: Question and Answer session, Prize Raffle and Conclusion

We hope you can join us! Please RSVP here by October 7: <http://www.cvent.com/d/1gqhx>

If you have any questions, please contact Kelly Davis

**Kelly Davis**

Community Relations Program Manager

Generac Power Systems, Inc.

[Kelly.Davis@generac.com](mailto:Kelly.Davis@generac.com)

262.544.4811 X2446



## 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, find the position that suits your talents and/or interests, or to serve in a committee with others.

***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

## Inspiring Today's Students to Become Tomorrow's Engineers and Scientists

OUR K-8 STEM EDUCATION SOLUTION, A World in Motion (AWIM), is a teacher-administered, industry volunteer-assisted program that brings science, technology, engineering and math (STEM) education to life in the classroom for students in Kindergarten through Grade 8. Benchmarked to the national standards, the AWIM program incorporates integrated STEM learning experiences through hands-on activities that reinforce classroom STEM learning.

### Program Highlights & Benefits

- It's interdisciplinary in nature, which helps students learn to make meaningful connections among disciplines
- All activities correlate with the Next Generation Science standards and the Common Core standards
- It builds bridges between corporations and classrooms by giving teachers, volunteers, and students the opportunity to work together and learn from each other
- More than 72,000 curriculum/challenge kits have been provided; over 4.5 million students participate; more than 30,000 volunteers.



### Industry Support & Volunteers

- Industry support is essential to this program. Corporations and their employees can influence the ways in which youth are prepared to meet the future by sponsoring schools in their communities. By doing so, schools can qualify to receive free or low cost AWIM program Challenge kits.
- Industry volunteers provide students with first-hand impressions and information about careers in their chosen profession and serve as an in-classroom resource for teachers.

Accordingly, Johnson Controls has been supporting certain Milwaukee county schools by providing the kits and volunteering hours over the past 8 years. This year, the “Jet Toy” challenge will be held for three Elementary schools – Atwater, Lake Bluff, and Kluge – proudly in collaboration with SAE - Milwaukee Section and broader SAE members as of the volunteers to enrich the students’ hands-on experience.

The program will be started in early February. **For more information on volunteering, please contact Negin Salami:** [negin.salami@jci.com](mailto:negin.salami@jci.com)



# Milwaukee Section 2018-2019 Governing Board

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