

September 2014

## UPCOMING EVENTS

- **Manitowoc Cranes**
  - October 14
- **COMVEC (Commercial Vehicle Engineering Congress)**
  - October 7-9—Rosemont, IL
- **Collegiate Chapters Student Night**
  - November 6
  - UW-Milwaukee

## Manitowoc Cranes

October 14, 2014  
3:45 pm



## Manitowoc, WI

NO WALK-INS : REGISTRATION REQUIRED

DEADLINE: October 7

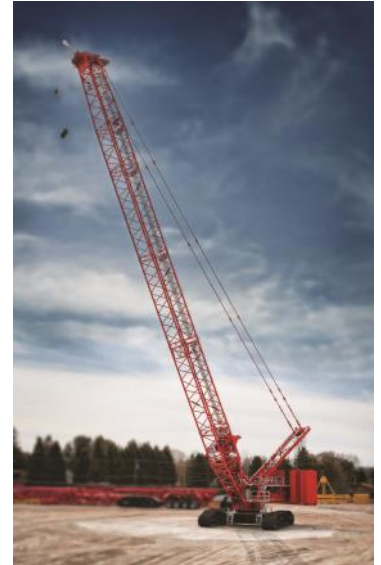
Check us out on the Web: [www.milwaukeeesae.com](http://www.milwaukeeesae.com)

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## A little background about Manitowoc...

The heritage of Manitowoc Cranes dates to 1925, when the company built its first lattice boom crawler cranes at its facility in Manitowoc, Wisconsin. Since that time, the very name 'Manitowoc' has come to symbolize crawler cranes, and the company's trademark red machines can be found in every corner of the globe. Manitowoc has become the industry leader in innovation, sales, performance, and support.

Today's company offers 16 units, ranging in capacity from 73t (80 USt) to 2,300t (2,535 USt). In addition to Manitowoc, WI, the cranes are also built at the company's facility in Wilhelmshaven, Germany, in keeping with the philosophy of producing cranes tailored for specific markets.

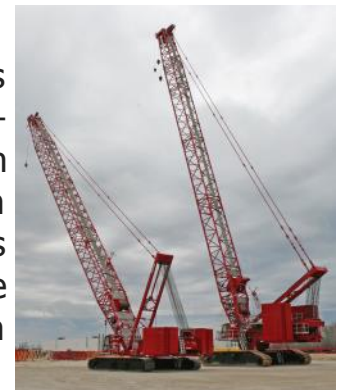


In response to customer demand, the company manufactures not only a range of lift cranes but also duty-cycle crawler cranes and wheeled cranes for special industrial and marine applications. Industry-leading technology including the CAN-BUS with EPIC control system and the FACT quick assembly system ensures that Manitowoc Cranes stays ahead of the competition.



Outstanding build quality and excellent reliability means that Manitowoc Cranes units boast some of the strongest residual values in the international construction equipment market. Cranes with 30, or even 40, years of service can still be found at work, and the company's powerful reputation, innovative modular design systems, and exceptional support make them extremely popular with fleet owners. It would require a long, hard search to find a 'lone' Manitowoc in a fleet. In fact, the largest single number of crawler cranes and attachments from one manufacturer found in a single fleet are all Manitowoc's. That fact speaks volumes.

Located regionally throughout the world, Manitowoc is uniquely positioned to meet the wide-ranging, ever-expanding needs of highly diverse customer groups. With more than 4,200 manufacturing, sales, and service experts in three strategically located regions. Manitowoc has two of its largest manufacturing facilities in the U.S., including the Manitowoc manufacturing facility in Wisconsin, where both crawler crane and tower crane parts are produced.

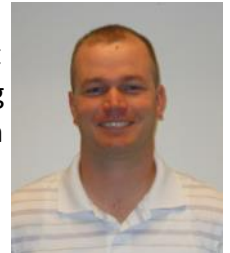


## About the Presentation

Manitowoc's new models MLC300 and MLC650, which are the focus of the presentation, utilize Variable Position Counterweight (VPC) proprietary technology to "actively" engage all counterweight and eliminate the need for "passive" carbody weights. The VPC allows the crane's counterweight to be positioned automatically while offering an unmatched level of versatility and capability. The design results in reduced transport configurations and better center of gravity for improved ground bearing pressures. In addition to the VPC, the optional VPC-MAX attachments increase the capacity and boom and jib combination lengths while utilizing all of the standard VPC components.

## About the Speaker

Dustin Soerens is currently the Marketing Manager of lattice boom crawler cranes at Manitowoc Cranes. He has worked at Manitowoc for nearly 8 years in various roles including customer service, design engineering, product specialist and marketing management. Dustin has a Bachelor's degree in Mechanical Engineering and has been with the Manitowoc Company since graduating in 2006.



## Important Event Notes

This event will begin and end at Knox's Silver Valley Banquet Hall in Manitowoc. See the following page for details on the location. Buses will be provided to shuttle between the banquet hall and Manitowoc Cranes' facility. *Closed-toed shoes (no high heels), and long pants are required to go on the tour of the facilities.*

*If interested in carpooling with others to Manitowoc, as a driver or as a passenger contact, Dale Wiza at 414-807-9663 or [dale@engineeringplacements.com](mailto:dale@engineeringplacements.com).*

### EVENT AGENDA

Registration: 3:45 pm – 4:30 pm  
Tour: Buses leave at 4:15 pm and 4:30 pm  
Dinner: 6:30 pm – 7:30 pm, cash bar before dinner  
Presentation: 7:00 pm -8:00 pm  
Menu: Chicken, beef tips, potatoes, corn, rolls served family style

### REGISTRATION FEES

<b>SAE Members</b>	\$20.00
<b>Retirees</b>	\$15.00
<b>Guests/Non-members</b>	\$30.00
<b>Students</b>	\$10.00

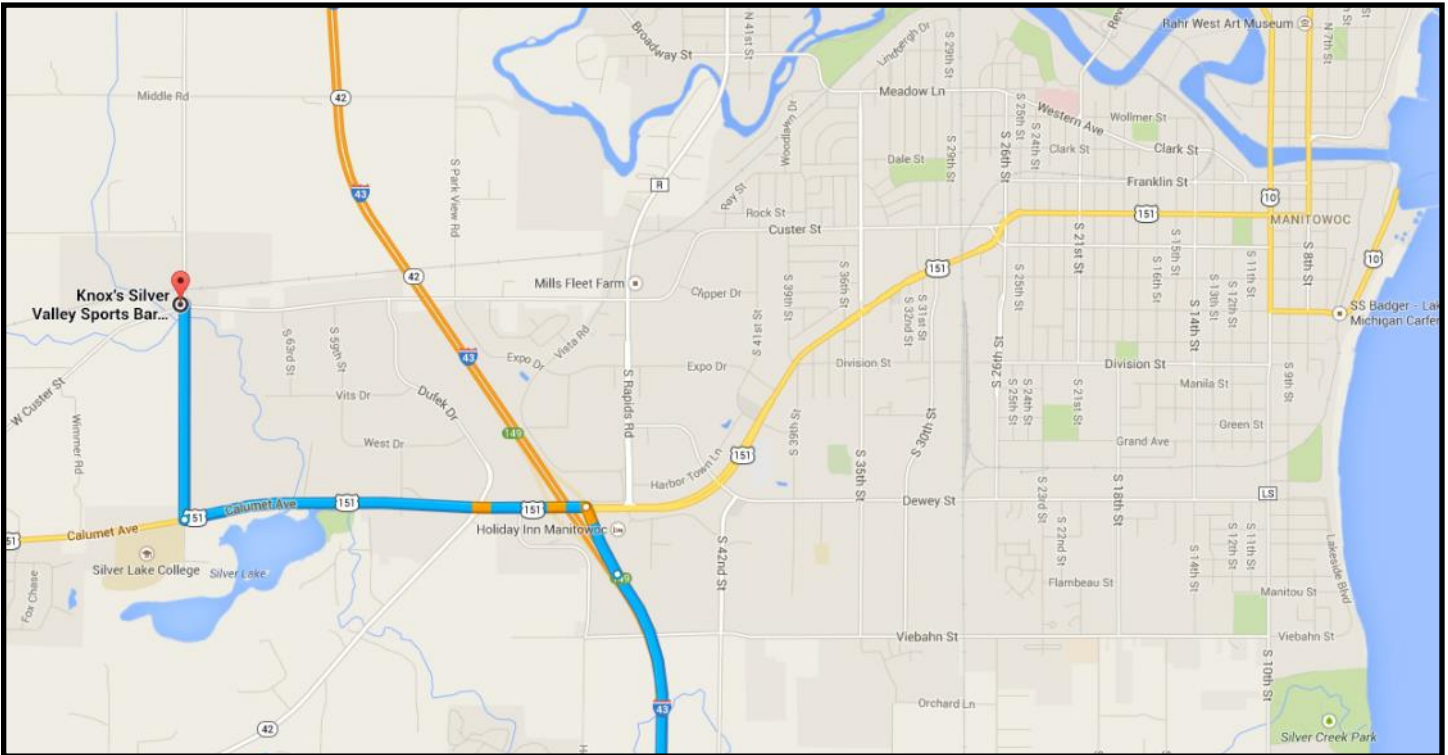
### REGISTRATION

- Registration Deadline: October 7
- Maximum Attendance for this event is 120
- Registration can be completed three ways:
  - [Online](#) with a charge card
  - By Phone at 920-602-5882 (Nerissa Hanson)
  - By Email [nerissa.hanson@mercmarine.com](mailto:nerissa.hanson@mercmarine.com) (Nerissa Hanson)

### **REGISTRATION REQUIRED / NO WALK-INS**



## Meeting Location:



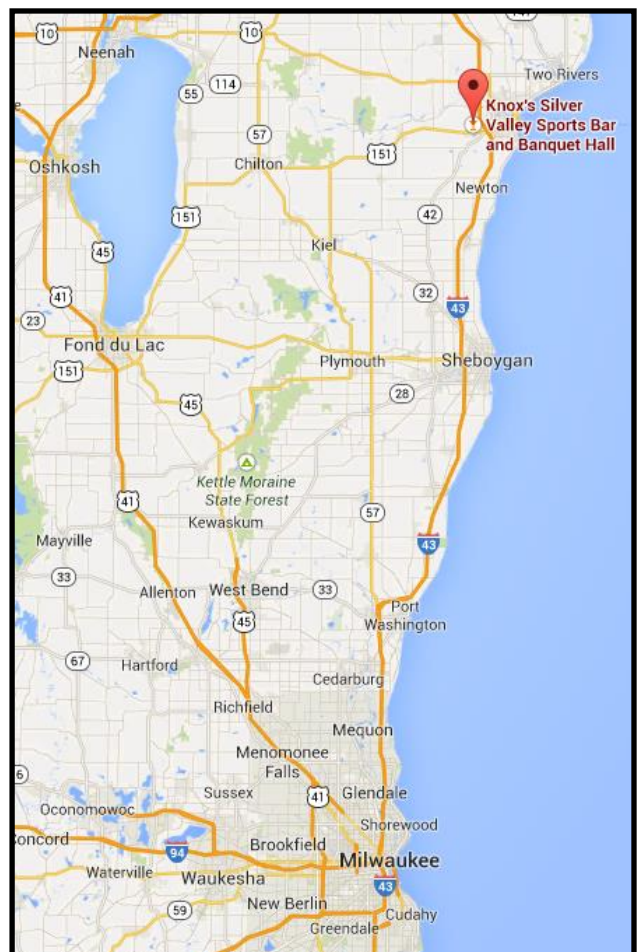
### **Knox's Silver Valley Banquet Hall**

**1222 S Alverno Rd.**

**Manitowoc, WI 54220**

#### *From Milwaukee:*

Take Interstate 43 North to Manitowoc.  
Take Exit 149 for US-151S/Calumet Ave  
Continue 1.5 miles on US-151 South,  
then turn right on S. Alverno.  
Continue for 0.8 miles to the Banquet Hall





We would like to thank Harley-Davidson for the event this past month. With their generous donations, we raised over \$2000 to be used to fund student projects and activities within our chapter!



Harley-Davidson discussed their recently-revealed Street 500 and 750, a line of motorcycles with smaller engines and greater maneuverability than other bikes made by Harley, marketed toward a younger, more urban crowd than their typical market. They also discussed their lineup of prototypes from project LiveWire—Harley-Davidson’s attempt to develop a marketable electric motorcycle. Project LiveWire has been touring the country, gaining feedback from the market on electric motorcycles. The bikes were on hand for attendees to see and feel, and they looked amazing!





## SAE Milwaukee Section Board Member Spotlight

*Get to know the SAE Milwaukee Board—we are introducing a new segment of the newsletter, which will help to introduce those who serve on the SAE Milwaukee Board. Each month we will feature one board member and highlight their interests and service in the SAE Milwaukee Section.*

*This month's feature board member:*

### **Sid Jain—STEM/AWIM Coordinator**

Sid grew up in India and got his Bachelor's in Mechanical Engineering from NIT, Allahabad in 2002. He moved to the US that year and went to University of Illinois for a Master's in Mechanical Engineering. After graduating in 2004, Sid started working at Modine Manufacturing Company (based in Racine, WI) as a Research Engineer in their R&D group. Sid worked at Modine's European office (near Stuttgart, Germany) for 3 months as part of a technical exchange program in 2005. Over the years he has focused on heat transfer modeling, thermodynamic simulation and fluid dynamics analysis supporting our application engineering and product development teams. Currently, as a Technical Advisor, Sid works with global research teams on multiple activities dealing with design, simulation, and testing of heat-exchanger components and systems. Outside of work, Sid have been a volunteer for Junior Achievement for many years. Last year, Sid took up the SAE board position of the STEM/AWIM Coordinator (Science, Technology, Engineering, and Mathematics/A World In Motion) to allow him to continue working with students and spread SAE's STEM oriented programs in the Milwaukee area.



# Milwaukee Section 2014-2015 Governing Board

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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 Members and Friends,

As the temperature outside has cooled off, I think that we are all hoping for a few more weeks of warmer weather. The cool winds of fall may be blowing into Southern Wisconsin, but that has not stopped the SAE Milwaukee Section for putting together a fantastic lineup of fall events for you.

This month we will be visiting Manitowoc Cranes, which has been on our radar for few years now. The people at Manitowoc Cranes have put together an extensive tour and a great presentation on their new MLC300 and MLC650 cranes. This is an event you will not want to miss. Please be sure to register early as space is limited. As a bonus, we will have Brian Hannon from MTU to give us a brief summary of the Clean Snowmobile Challenge. If you have wondered exactly what the Clean Snow Challenge is, ways you can get involved, and what northern Michigan has to offer in March, then this is your chance to find out.

In November we will once again be having our annual Student Night. All our student sections will be at the University of Wisconsin – Milwaukee this year, to show off the project vehicles they have been working on and to compete for our annual student section awards. Please join us for an evening seeing what innovative design ideas the student sections have come up with. After the November meeting, the SAE Milwaukee Section will be on hiatus until after the New Year, but don't fret as we have a list of great events planned for 2015.

I hope to see you all at an upcoming event!

Garrett Herning  
SAE Milwaukee Section - Chairman

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