

SAE MILWAUKEE

An SAE International Section

Upcoming Events

Ariens

- April 20th
- Leading outdoor power equipment company
- Tour & technical presentation

Future events

- May – TBD
- June 4 – SAE section golf outing
- June 18-19 – June Sprints, Road America
- July 13 – SAE Milwaukee Section members' car/motorcycle show

April 2016 SAE Newsletter

April Event:



ARIENS®

April 20th

655 W Ryan St,
Brillion, WI

About the Event

Ariens Company was started in 1933, when Henry Ariens and his three sons – Steve, Leon, and Francis – developed the first American-made rotary tiller at a time when other manufacturers were experimenting with imported tillers. Since that time, Ariens has grown into a lawn and garden equipment and snowblower manufacture with a global footprint.

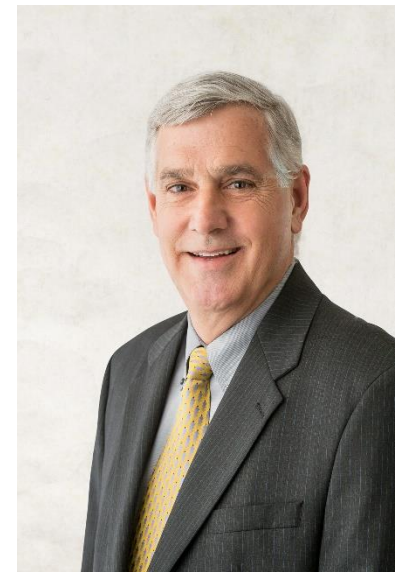
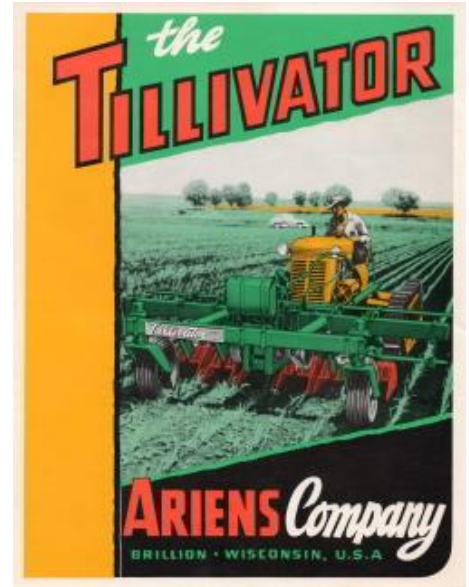


In recent years, Ariens has acquired several smaller companies within the industry to extend their reach into further

stretches of the market. Among Ariens' brands are Ariens snow products and lawn and garden equipment, Gravely commercial outdoor power equipment, Sno-Tek snowthrowers, Parker grounds maintenance and debris handling equipment, and Countax and Westwood garden tractors.

This event at Ariens in Brillion will feature a tour of the manufacturing plant and a technical presentation given by Jim Masters (pictured), Vice President of Manufacturing and Engineering.

Jim's background includes his time at Ariens, roles as President for Lear Worldwide Engineering and Lear Electronic and Electrical Division, and Senior Vice President at Exemplis. Jim has worked to implement several initiatives to improve product quality and throughput in his career and is directly responsible for Engineering, Manufacturing Engineering, Quality, Tooling, and Operations at two Ariens facilities.



Event Agenda

Registration	5:00pm-5:30pm
Tours	5:15pm-6:30pm
Presentation	6:30pm-7:15pm
Dinner	7:15pm-8:00pm

Registration Fees

SAE Members	\$20
Retirees	\$15
Guests/Non-members.....	\$30
Students	\$5

Registration

Registration Deadline: April 15th

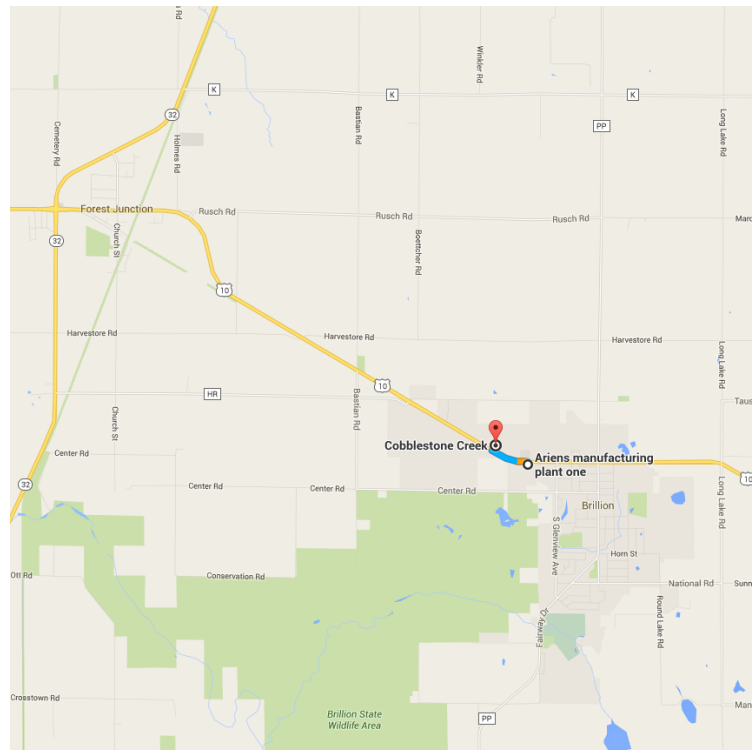
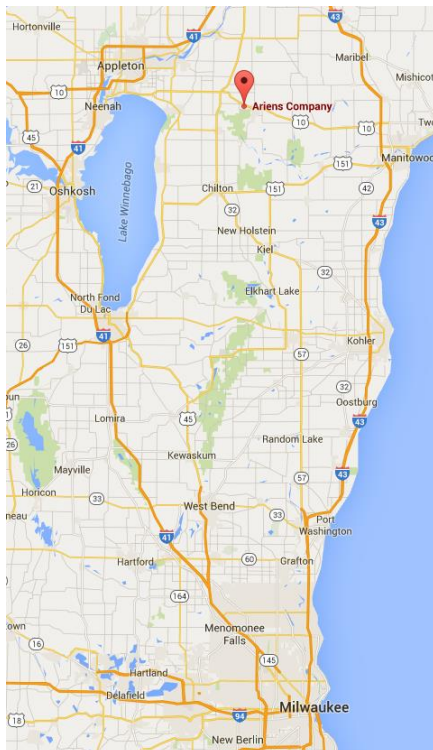
Maximum Attendance: 75

Ways to Register:

- Online with a charge card via www.milwaukeesae.com
- By phone: Wayne Richter (262) 770-0252
- By email: Wayne Richter richterway@sbcglobal.net

Registration required – no walk-ins allowed

Dinner will be served at nearby Cobblestone Creek (740 W. Ryan Road, Brillion) following the tour and presentation. Dinner will be served family style – broasted chicken, beef tips, macaroni salad, Italian salad, California vegetable blend, mashed potatoes with gravy/sage dressing, assorted desserts, coffee, milk, and water.



2016 SAE Golf Outing

Golf Outing – “Nine and Dine at the Edgewater”

What – Nine Holes of Golf, play Best Ball.

Where – Edgewater Golf Club/The Bunkers Restaurant, Grafton, 1726 Cedar Creek Rd, Grafton WI 53024

When – Saturday, June 4, 2:30PM Tee Time, followed with optional dinner in the club house

Who – SAE Milwaukee section members/spouses/friends/family. Put together a foursome of colleagues, friends, or family. Single players are welcome – we will match you to a foursome.

Pricing - \$25 for 9 holes of Golf, optional group dinner. Meal costs from \$16 to \$22.

Dinner – Sandwiches/Dinner range from \$8-\$22, plus refreshments and 18% gratuity. Delicious Prime Rib is their Saturday Night Specialty.

Special Prizes for: Longest Putt on #9, Closest to the Pin on #5, Closest in Two on #8, Longest Drive for Men on #1, Longest Drive for Women on #6.

“Prizes” for everyone!

Register online or contact Wayne Richter at (262) 770-0252



Student Chapter Updates

Congratulations to MSOE for winning the 2015 SAE Honeywell Outstanding Student Chapter Award. MSOE has now won this award in back-to-back years. It is also the 4th time in the past 6 years that MSOE has been recognized as the most outstanding student chapter in the world.

Congratulations to UW-Madison’s Clean Snowmobile Challenge team, who placed 1st in the Internal Combustion Class. In addition to first-place overall, UW took 1st in the categories of Lowest “In-Service” Emissions, Best Design Winner, and Quietest Snowmobile.

New Member Welcome

We would like to extend a warm welcome to our new SAE members who have joined since the beginning of 2016:

Nathan Beilke	Kohler Co.
Brett Bielefeld	Mercury Marine
Joseph Bok	Medical College of Wisconsin
Alexander Bub	OVH Acoustics
Timothy Hunter	Wolf Star Technologies LLC
Mark Johnson	Johnson Controls Inc.
William Kewer	Harley-Davidson
Jeremy Lang	Affiliated Engineers Inc.
Aaron Lynn	Oshkosh Defense
Michael Pertile	Oshkosh Corporation
Kensuke Sasaki	Nissan Motor Co Ltd
Brett Schmidt	Enpro Industries
Joseph Schmidt	Fox Valley Technical College
Scott VanHulle	I-CAR

Clean Snowmobile Challenge

UW-Madison wins Snowmobile Challenge, MacLean-Fogg Cup!

By DAN ROBLEE (droblee@mininggazette.com), The Daily Mining Gazette



Perennial frontrunner University of Wisconsin-Madison took home the MacLean-Fogg Cup Saturday as winners of the SAE Clean Snowmobile Challenge 2016 Internal Combustion-class competition. UW-Madison topped a dozen other teams in the challenge's most competitive class.



Lapland University of Applied Sciences (of Finland) ran away with the Zero Emissions category, besting four other teams, and North Dakota State University won the Diesel Utility-class.

For some Badgers, the 2016 challenge was a capstone of their college years, and a springboard to careers.

"SAE has been my life for five years," said UW-Madison's Jennifer Bartaszewicz, who said she's put about 10 to 15 hours a week into the challenge throughout college.

The team had a rough start this year, she said, when their sled broke an after-market belt in Monday's endurance run.

"It went pretty smooth the rest of the week, though," she said.

She and team members were more proud of the work leading up to the challenge, when they took on several large projects including boring and stroking their engine. The chassis stayed the same this year, she said, but there were plenty of major modifications.

That innovation is a hallmark of the challenge, said Bill Shapton Sr., who judged oral presentations - faux sales pitches for the sleds, actually.

"They've tried a lot of things that have influenced industry already," he said.

Team members have also positioned themselves for after-college jobs in industry, noted North Dakota State University team advisor Robert Pieri. Most event judges and other officials come from the snowmobile, engine and component industries, and several students cited job offers and internships they credited to the challenge.

"We have a couple of students who participated who ended up with Polaris," Pieri said.

Read a CSC technical article on acoustics from MTU:

<http://www.mtu.edu/unscripted/stories/2016/march/good-vibrations-clean-snowmobile-challenge-2016.html>

SAE Milwaukee Board Member Spotlight

Kurt Person – Senior Advisor



Hello and Spring greetings to all Milwaukee SAE section members. In May of this year I will have “worked” 30 years in a rewarding engineering career, most of it as an active SAE member. SAE has been an important aspect of my continued learning, growth, and now some giving back which is equally satisfying and fulfilling...

I joined the Detroit Section of SAE back in 1987. At the time I was a young aspiring engineer who had just been recruited into the advancing Automotive Industry soon after graduating from Northern Michigan University with a BS degree in Industrial Technology. I came to Detroit to work on Cars which was a dream come true for a recent graduate who grew up in a small town in Northern Wisconsin with grease under his fingernails. I started in and am still working primarily on brake systems and chassis controls testing, design, and manufacturing. SAE has provided a host of information, specifications, technical learning, and professional growth training as my career advanced at the companies: Continental-Teves, BOSCH, BOSS Snow plows. I am currently CTO/Vice President of Product Development and co-owner at HAYES PERFORMANCE SYSTEMS. I am blessed in a key leadership role, with a company and products that have brought me back to Wisconsin, not too far from where I started as a gear head youth with grease under my fingernails, well before any SAE Student teams were around.

One of the reasons I joined SAE in Detroit was to access a professional network and learn an industry. At the time Detroit Section Monthly meetings were held at many of the Car Industry giants and often introducing the newest vehicle models and most advanced technology. I also attended SAE World Congress and I began to attend the SAE Brake Colloquium seeking in depth brake product knowledge and industry contacts. When I left the Auto industry in 2006, I maintained and transferred my SAE membership to the Milwaukee section. When I came to HAYES in 2008, I offered to serve on the Milwaukee Section Board. I understood this as one of my best opportunities to learn about the Milwaukee companies but more important to help me develop my new Milwaukee based professional network. SAE leads and follows your career.

I am now in my “give back” involvement at SAE. I currently serve as a judge, with HAYES as an event sponsor for the SAE Clean Snowmobile Challenge. I also serve on the SAE Brake Materials Task Force which recently guided legislation in California and Washington to reduce copper concentrations in brake pads for cars and trucks as an environmental action. I am honored to serve on the Advisory Board of the SAE Brake Colloquium and I now also serve as the Session Chair for the new Motorcycle Braking session. Finally, I continue serve on the Milwaukee section Board as a Senior Advisor helping where ever I can to leverage my network and access to assets to help with the Mission of this Milwaukee session. I recently met and spoke with our current SAE International President - Cuneyt L. Oge at the recent Clean Snow Challenge. His first question was how long had I been in SAE? The rest you have just read!

Special Thanks

We would like to thank Signicast for their support of our SAE Section. They have generously donated to cover a generous portion of the costs the March event. This helps our section to better support SAE student programs. Thank you, Signicast!

Milwaukee Section 2015-2016 Governing Board

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A Letter from the Chairman

Greetings SAE Milwaukee Section Members and Friends,

Spring has arrived in central and southern WI and it was a rather warm journey up to Houghton MI to the annual SAE Clean Snowmobile Challenge. The warm conditions did make things more of a challenge for the students with it being icy early in the day and then slushy as the competition went on, but there was just enough snow to complete all the events. There was a great atmosphere at the competition with many successes and learning experiences for the twenty plus student teams that attended this year. Industry support was also strong this year and the Milwaukee Section hosted the Thursday evening meeting for all the student teams attending the competition. Jay Meldrum, Brian Hannon, and their team put on another great competition this year.

As we head into summer the Milwaukee SAE section is also looking for a few people to help out on next year's Board of Directors. Every May all positions are open for reelection and we have a couple spots opening up for those who would like to volunteer. It is a great way to gain leadership experience and give back to a worthwhile organization. Please see any current board member at an upcoming meeting or e-mail any of us to inquire about how you can become involved.

This month we will be at Ariens Company in Brillion WI. It has been several years since we've been to Ariens and they are very excited to have us back again. They have a great tour and presentation set up for us and this meeting will definitely be worth the short trip to Brillion. I look forward to seeing all of you at the meeting on April 20th.

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 4th and 5th 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**

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