

BOARD MEETING MINUTES



The SAE Milwaukee Section Board meeting was held on **January 23, 2013** at Waukesha County Technical College, 800 Main St., Pewaukee, WI 53072 from 5:30 to 7:15 PM.

Chair Input

The Milwaukee section would like to thank WCTC for letting us use their facilities and providing the great meal. It was very kind of them to do this.

Jim talked a little about the various professional development seminars that are offered through SAE International. A complete list is attached to the end of the meeting minutes. The per-person costs for the seminars are as follows: 1-day \$675; 2-days \$1,135, 3-days \$1,435. The list at the end of the minutes was also sent out to all the company reps as well. If a large group from the area would want to take a course it may be possible to have that person put it on locally in entirety or in a modified format depending on the audience.

The list is linked to SAE International if you want to learn more about the courses.

Jim introduced Nerissa Hanson – Mercury Marine (nerissa.hanson@mercmarine.com) as the new Student to Professional Initiative chairperson. Nerissa is an Engine Component Test Engineering and graduated from MSOE. Nerissa will be working closely with Randy on these initiatives. After Jim Introduced Nerissa the rest of the Board members introduced themselves to Nerissa. Nerissa is now added to the SAE Milwaukee Section Board Meeting mailing list.

Randy and Nerissa will be meeting with MSOE, UWM, Marquette & UW Madison to develop a program. They will look into a student networking event this spring. These activities are well supported by SAE International.

Randy introduced us to **Steve Holtzman** (WCTC) who sat in on our meeting. **Steve** was interested in what WCTC could do to participate in the Milwaukee Section. Randy mentioned that WCTC is interested in SAE clubs. They may consider partnering with one of the 4-year schools or make an SAE project as part of their curriculum. It would be nice to have them as a partner. Maybe we could do something similar with MATC as well.

Treasury Report – Mitch Crawford

Mitch gave a brief update on the finances. The 2011-2012 Submitted forms were submitted for section dues reimbursement.

2012-2013 Programs

Calendar

November 28 – Student Night (MSOE) Recap

Program Manager: Mike Krauski / Randy Hoffman

There was very good participation by both the students and the non-students. There were 96 total for the meeting. The crowd consisted of 60% students and 40% professionals. The Professional participants rated the presentations presented by the students for distribution of the student rewards from the Milwaukee Section.

The winners were as follows: #1 – UWM (\$2000); #2 – MSOE (\$1650); #3 – UW Madison (\$1350); #4 – Marquette (\$1000)

The hospitality at MSOE was great. The dinner was well liked. A big “Thank You” goes out to MSOE and all of the students and staff for sponsoring the event and making it a memorable event.

February 20 – Member Presentation, Engines

Program Manager: Wayne Richter

We reviewed Wayne’s December 18th update. Everything is coming along well.

Location: - The meeting will be held at Briggs & Stratton Corporation in the Corporate Auditorium. We will be having a “Build your own burger bar”.

Before the presentations we will be showing a short video from Michigan Tech University on last year’s Clean Snowmobile Challenge.

The Presenters for the evening are as follows:

Jerry Kashmerick – The 6-cycle engine

Tom Dougherty – The monolith engine

Nick Hirsch – 6.5 Liter V-8 Diesel for the military

JP Benjamins (B&S) – The new E-Series engine

Registration – UWM

March 4-9 – Clean Snowmobile Challenge

Event sponsorship – A vote was made by the Board and carried to donate \$1000 to the Clean Snowmobile Challenge. There are 21 teams this year that are participating.

Board member attendance – Several of the Board members will be attending this year.

HB will be donating (8) Trail-Track systems to 8 teams this year. The systems operate somewhat like the ABS system in an automobile. The Trail-Track system is a performance enhancing system which HB has been developing for the past 3 years.

The section meeting quest speaker will be Bosch’s Engineering President.

There will be new regulations this year for all of the battery powered units.

March 14 – Johnson Controls

Program Manager: Mike Krauski

ASME was invited but there was no response from IEEE. The details were finalized and were put into the February newsletter. The meeting registration is also up on the SAE Milwaukee Section website. **Deadline for registration is February 28.** A one page reminder of the meeting is being sent out the week of February 11, 2013

Registration – either MSOE or Marquette

April TBD – Volt

Program Manager: Randy Hoffman

Drew informed the group that Tesla was not willing to participate. Randy will now organize the location for the meeting.

May TBD – Sonex Electric Aircraft

Program Manager: Frank Poradek

June TBD – June Sprints (family day)

Program Manager: Doug Kautzer

Student Updates (Randy, MSOE, UWM, Marquette)

Student Networking Night – More discussion will be brought up during the April Board meeting. Nerissa Hanson will be working together with Randy to set up a night that will work. It may be possible to do a video conference to allow more students to participate.

A video conference event was held on October 25, 2012, with several of the local schools, to talk over issues that would help them become more involved with the section. It also allowed the schools to network with each other and with folks in industry.

Newsletter – Matt Anderson

Matt could not attend the meeting. We talked about mass email solutions now that Milepost is gone? At present Matt is sending the newsletter to SAE Headquarters and they are mailing it out electronically. We had some discussion about having people choose if they want their newsletter via e-mail instead of via the post. This would save a fair amount on postage and printing costs. At the present time many of the folks are getting the newsletter twice, once by e-mail and the second by post.

The combined February and March newsletter was mailed out the week of January 28.

AWIM – Frank Poradek

STEM Center (**S**cience, **T**echnology, **E**ngineering, and **M**ath) at UWM they are talking about it in their monthly meetings. – Frank is in contact with UWM to see what can be done to get the information into the schools and how to get the teachers involved. We had some discussions about possible sponsorship for the teachers or get the business community to sponsor some of the programs.

Social Media Update – Drew Boyer

Drew gave a brief update. More details will be presented at the February Board Meeting.

2013-2014 Programs

Calendar

September 18, 2013 – C7 Corvette

Program Manager: Wayne Richter

Location: EVS Saukville

More info will follow in upcoming newsletters.

The following are some other proposed events for the 2013-2014 calendar year.
 Caterpillar TBD – Hydraulic Shovels and/or Mining Trucks (South Milwaukee, WI)
 Manitowoc Crane (Manitowoc, WI)
 Modine (Racine, WI)
 Harley Davidson (Milwaukee, WI)
 Trek Bicycles (Waterloo, WI)

SAE International Open Enrollment Seminar Information:

SAE International's over 150 professional development seminars provide education and training in a multitude of technical areas. Led by expert instructors with many years of experience in the Ground Vehicle or Aerospace industries, the educational courses offered by SAE International can provide the new knowledge and skills necessary to succeed in your job.

Professional Development seminars from SAE combine timely and practical education, solutions-based case studies, hands-on learning activities, and application-oriented information designed to impart useful knowledge you can begin immediately using in your job. You also receive the benefit of study and interaction with peers from similar backgrounds or those who offer a new perspective from a different technology area. [ANSI/IACET CEUs](#) are awarded when course requirements have been met.

Explore one of the courses designed for the Aerospace industry, Ground Vehicle industry, or all mobility sectors.

Applicable Across All Industries:

ID	Program Name	Instructor	# Days
C0410	Leading High Performance Teams	Doyle, Joseph	2
C0620	Strategic Leadership	Doyle, Joseph	3
86034	Weibull-Log Normal Analysis Workshop	Fulton, Wes	3
99003	Engineering Project Management	Mago, Angelo	2
C0828	Principles of Cost and Finance for Engineers	Masiak, James E.	3
C0316	Accelerated Test Methods for Ground and Aerospace Vehicle Development	Porter, Alex	2
C0608	Managing Engineering and Technical Professionals	Timmis, Eric	3
C0406	Design of Experiments for Engineers	Zielinski, Kevin	2
92054	The Role of the Expert Witness in Product Liability Litigation	Seyboldt, Charles	1.5
C0004	Design Reviews for Effective Product Development	Mago, Angelo	1
C1202	Success Strategies for Women in Industry and Business	Bardasz, Ewa	1
C1213	Creating and Managing a Product Compliance Program	Walker, Bill	2

Applicable to Aerospace:

ID	Program Name	Instructor	# Days
C1119	Implementing AS9100C: Understanding and Transitioning to the New Requirements	Cressionnie, Buddy	2
C0926	Aircraft Cabin Safety and Interior Crashworthiness	Farsi, Ken	2
C0821	Understanding the FAA Aircraft Certification Process	Farsi, Ken	2
C1120	AS9100C Internal Auditor Training	Kunder, Paul	3
C1118	ARP4754A and the Guidelines for Development of Civil Aircraft and Systems	Peterson, Eric	2
C1135	Implementation of AS6081 – Counterfeit Electronic Parts for Distributors	Poncheri, Anne	2
C1143	Understanding and Supporting Aircraft Accident Investigation and Reconstruction	Knutson, Donald	2
C1302	AS5553 and Counterfeit Electronic Parts Avoidance Training	Zulueta, Phil	1

Applicable to Ground Vehicle (includes Commercial Vehicle and Automotive):

ID	Program Name	Instructor	# Days
C0837	Fundamentals of Heavy Truck Dynamics	Ahmadian, Mehdi	3
C1125	Hybrid Vehicle Systems Integration	Cattelan, Alexandra	1
C1009	Gasoline Direct Injection (GDI) Engines	Chehroudi, Bruce	3
94024	Fundamentals of Metal Fatigue Analysis	Comer, Jess J.	3
95030	Threaded Fasteners and the Bolted Joint	Comer, Jess J.	2
93014	Diesel Engine Technology	Khair, Magdi	2
C0913	Selective Catalytic Reduction for Diesel Engines	Khair, Magdi	2
C0502	Advanced Diesel Particulate Filtration Systems	Konstandopoulos & Masoudi	2
C0415	Advanced Vehicle Dynamics for Passenger Cars and Light Trucks	Lundstrom & Drotar	3
99020	Vehicle Dynamics for Passenger Cars and Light Trucks	Lundstrom, Richard	3
99018	Fundamentals of Modern Vehicle Transmissions	McVea, William Mark	3
C0103	The Basics of Internal Combustion Engines	McVea, William Mark	2
98024	A Familiarization of Drivetrain Components	Palazzolo, Joseph	1
C0305	Fundamentals of All-Wheel Drive Systems	Palazzolo, Joseph	1
C0626	Introduction to Hybrid and Electric Vehicle Battery Systems	Spek, Erik J.	2
C0314	Turbocharging Internal Combustion Engines	Tuteja & Shahed	3
C0707	Designing On-Board Diagnostics for Light and Medium Duty Emissions Control Systems	Van Gilder, John F	3
C1210	Applying Automotive EDR Data to Traffic Crash Reconstruction	Ruth, Richard	3
C1214	Exhaust Gas Recirculation (EGR) for Diesel Engines	Khair, Magdi	2
C1217	Corrosion Engineering and Prevention	Nazri, Gholam-Abbas	2
C1232	Fundamentals of Hybrid and Electric Vehicles	Husain , Iqbal	2.5
C1019	Safe Handling of High Voltage Battery Systems	Erik Spek	1
97011	Combustion and Emissions for Engineers	Chehroudi, Bruce	3
C0022	Tolerance Stack-Up Analysis	Belanger, John-Paul or	2

		Stolter, John	
C0613	Internal Combustion Systems: HCCI, DoD, VCT/VVT, DI and VCR	McVea, Mark	3
C0133	Geometric Dimensioning & Tolerancing	Belanger, John-Paul or Stolter, John	3
C1231	Robust Design	Dodson, Bryan	2