

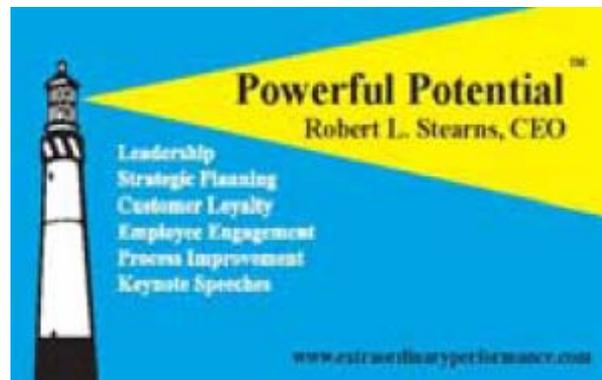


Milwaukee Section Newsletter

January 2011

www.milwaukeeesae.com

Creating a Culture of Excellence



Milwaukee, WI
Tuesday February 15th, 2011

During this presentation you will discover:

- How to align your managers' and employees' goals with business goals
- How you can do what Baldrige winners do to ignite customer loyalty
- How to develop an agile organization that can change strategic direction quickly
- Which internal process, if any should be "blown up" and reengineered
- What it takes to inspire an "owners mentality" in your employees

Creating a Culture of Excellence

How can you create a culture of excellence in your company??? You are cordially invited to join your friends at SAE to learn the strategies that have won the Malcolm Baldrige Award for a culture of excellence, presented by Mr. Robert Stearns. The Baldrige Award is given by the President of the United States to organizations that excel in seven areas: leadership, strategic planning, customer focus, use of information and knowledge management, human resources focus, process management, and business results. Baldrige winners have outperformed the S&P 500, and produce extraordinary results in profitability, customer satisfaction, employee engagement, and other areas.

Mr. Stearns is recommended through the Sections Speakers Bureau for SAE International. He will share with us the Five Keys which are the essence of the Malcolm Baldrige Award Criteria and how you can apply them to your organization. Find out how these Five Keys enabled Ritz Carlton Hotels, SSM Healthcare, Park Place Lexus, Texas Nameplate, and other to also with the Baldrige Award. Most importantly, learn how to ignite your personal and business results by using these Five Keys:

- Hardwire your goals
- Unleash customer loyalty
- Cultivate Agility
- Apply the 85% rule
- Inspire ownership accountability and results

Biography:



Bob Stearns is the CEO of Powerful Potential for 25 years and his clients achieve extraordinary performance results in sales, profitability, customer satisfaction, employee satisfaction, process improvement, and strategy. He was the Architect behind Malcolm Baldrige Winner Medrad Inc. Bob led CoManage Corporation to be named the Best Plate to Work in Pennsylvania, and has received the American Society of Training and Development Award for Excellence. Bob is a Director on the Boards of National Church Corporation, The Orchards at Foxcrest.

--- EVENT AGENDA ---

Registration & Social Hour	5:00 pm
Dinner:	5:30 pm
Presentation:	6:00 – 8:00 pm

--- DINNER ---

DINNER PRICES:

SAE Members / spouses:	\$25.00
Retirees:	\$20.00
Guests / Non-members:	\$30.00
SAE Students w/ID	\$15.00

Directions to Wyndham Milwaukee Airport Hotel and Convention Center

Address: 4747 South Howell Ave, Milwaukee, WI, 53207

From North (Green Bay)

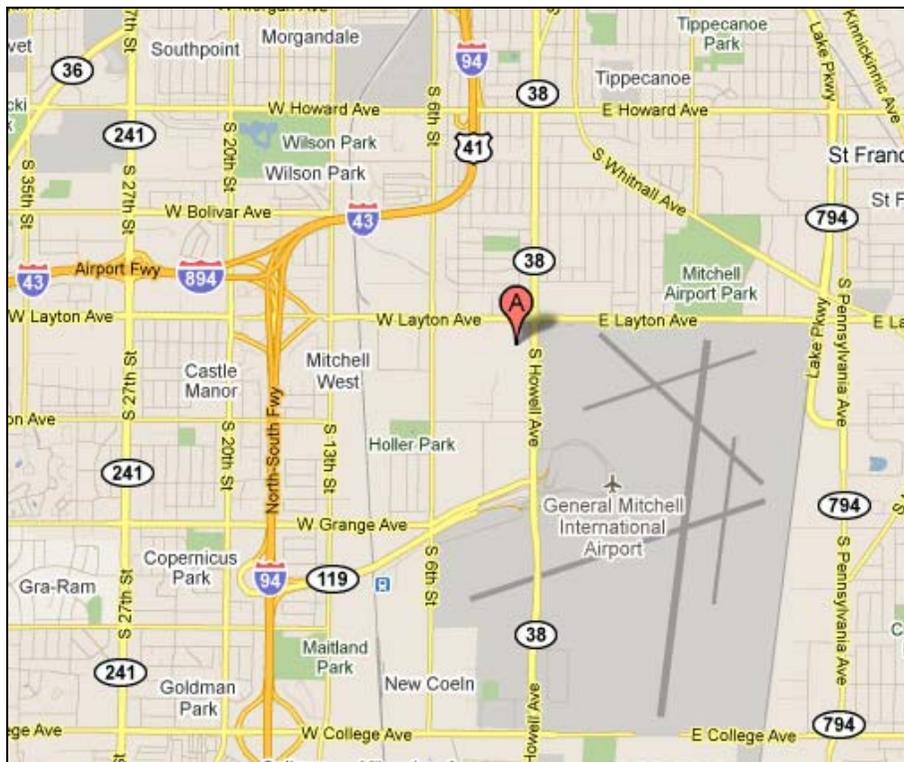
Take I-43 South and continue onto I-94E
Take exit 314B for Howard Ave
Turn right at S Chase Ave
Continue onto S Howell Ave

From South (Airport / Chicago)

Take I-94W to exit 317 to merge onto W Layton Ave
Turn right at S Howell Ave

From West (Madison)

Take I-94E to exit 314B for Howard Ave
Turn right at W Howard Ave
Turn right at S Chase Ave
Continue onto S Howell Ave



--- DINNER ---

Menu Choices (Choice must be made during registration)

Soup du jour appetizer followed by a garden salad.

1. Chicken Montrachet; skinless chicken breast filled with montrachet cheese and topped with a basil cream sauce; lemon pepper linguine and vegetable du jour.
2. Top Sirloin Steak: broiled top sirloin steak (8oz.) topped with a burgundy mushroom sauce, oven roasted red potatoes and vegetable du jour.

Warm apple strudel with vanilla sauce for dessert.

Registration:

Only pre-payments made with a **charge card** can be completed online via <http://www.milwaukee.sae.com>

Retirees, students and members without web access may register by phone on the SAE Registration Coordinator – Jim Ryan (262) 636-1634.

Registration deadline: **Friday February 11th, 12:00 p.m.**

Upcoming SAE Programs:

March 7th – 12: Clean Snowmobile Challenge



The SAE International Clean Snowmobile Challenge (CSC) is an engineering design competition for college and university student members that challenge engineering students to reengineer an existing snowmobile to reduce emissions and noise. Their modified snowmobiles will compete in a variety of events including: emissions, noise, fuel economy/endurance, acceleration, handling, static display, cold start and design.

A record number of 20 teams have entered this year's competition featuring 7 all electric sleds. Traditional internal combustion powered sleds will focus on fuel efficiency. You can also join the keynote presentation on **Power Sports Technology** given by HB Performance Systems, March 10, 6:00 PM.

Everyone is invited to attend the event, no registration is required. Bring or rent a snowmobile and have an adventure on the extraordinary trails in Copper Harbor. Those interested in volunteering for administrative help (design judge, track flag, etc.) can contact event coordinator Jay Meldrum at jmeldrum@mtu.edu.

Find more information about the event at <http://students.sae.org/competitions/snowmobile/>.

March 7th: Section meeting at Fairbanks Morse

The SAE Milwaukee Section meeting for March will be held in joint with SAE Rockford Section at Fairbanks Morse located at 701 White Ave, Beloit, WI 53511. The meeting date will be Monday, March 7, 2011. Registration and social hour will begin at 5:30 PM. A tour of the custom Medium-speed Engine Assembly will begin at 6:00 followed by dinner at 7:00PM. Look for more details in the February newsletter.

Fairbanks Morse is worldwide leader in engine technology and manufacturing. Since the company's founding in the 1870s, Fairbanks Morse Engine has produced a wide variety of products, including the Eclipse Windmill, the Train Master locomotive, and the first commercially successful gasoline engine in 1893. Today, the core business goal of Fairbanks Morse Engine is to provide its customers with the highest quality diesel engines and generator sets, dual-fuel engine generator sets, and OEM parts and to back them all with world-class field service support. Primary markets include stationary power generation and marine propulsion.

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MSOE Formula Hybrid Team to Compete in Formula-Hybrid Competition

This spring, the MSOE Formula Hybrid team will compete against more than 30 other schools from around the world in Loudon, New Hampshire in the Society of Automotive Engineers 2011 Formula Hybrid competition. This international event takes place May 1 through May 4 and will test the design, reliability, performance, acceleration, and endurance of each team's hybrid racecar.

The 16-person team is a mix of mechanical, electrical, computer, and software engineers, including both upper and lower classmen. The mix of engineering skills and backgrounds is essential in successfully accomplishing the team's complex and diverse goals.

By competition, the team hopes to shed over 300 pounds from the previous vehicle to increase efficiency. In addition, they are implementing a software-controlled electronic differential, an onboard power generation system, and weight-reduced brakes and uprights. Most importantly, their aerodynamic vehicle will get its hybrid power from lithium ion batteries, generously donated by Milwaukee Electric Tool.

"We have a lot of work ahead of us, but have come a long way and have strong backing from our sponsors such as Rockwell Automation, I'm confident of our ability to achieve great things," says Sven Krause, Team Leader. "Despite only our second year, we have the chance of really becoming a dominant force at the international competition."

More information about the MSOE Formula Hybrid team and its progress can be found at <http://www.msоеformulahybrid.com>. For more information about the SAE Formula Hybrid competition, visit <http://www.formula-hybrid.org/index.php>.

Job Postings

Racine, WI – Modine Manufacturing

Application Engineer – Engine Products Group

This position is responsible for the development of specific designs using current technology to meet customer requirements most economically. This position reports to an Application Engineering Supervisor or the Application & Product Engineering Manager.

Key responsibilities of this position include heat exchanger and cooling system module designs for assigned customers. The engineer will coordinate builds and ensure the accuracy of prototypes. Be able to specify test requirements and analyze test results on assigning products to validate performance and durability of new and revised designs. Ensure understanding by plant production and manufacturing personnel of design specifications. Work closely with other departments and the plant to ensure new models are delivered on time and meet all customer requirements. Monitor feedback from the field and initiate product improvement when appropriate.

Education requirements for this position include a college graduate in engineering or related technical discipline with limited work experience or 2-5 years equivalent experience in the specified engineering discipline. Additional qualifications include a basic understanding of heat transfer, its application to assigned products, and end use customer products. Must have knowledge of structural design, manufacturing processes and computer methods. Ability to communicate effectively both written and verbal.

Interested and qualified applicants should apply online at www.milwaukeejobs.com or www.careerbuilder.com or send resumes to Human Resources Department, Karen Sutherland, K.L.Sutherland.na.modine.com

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Milwaukee, WI – P&H Mining

Senior Engineer – Mechanical Engineering

P&H Mining Equipment is a global leader in the design, manufacture and service of some of the largest Mining machines in the world, requiring reliable operation 24 hours a day, 365 days a year in harsh climates and at all altitudes. As a company long recognized for outstanding service and support, P&H -- through its world class, global MinePro Service organization -- supports its products throughout the product lifecycle. For additional company information please visit www.phmining.com.

Job requirements include providing system level design to meet vehicle performance goals for P&H products including large weldments, machinery, electric and/or hydraulic motor application, sheet metal design, FEA, large castings and forgings. Manage projects related to product design from inception thru implementation, which includes feasibility, project planning, detailed design, manufacturing, field implementation, testing, product launch and field problem resolution

Education requirement is BSME, MSME and/or PE preferred. Minimum of 8 years experience in heavy equipment design, mobile equipment. Must have a strong mechanical aptitude, innovative perspective and a team focus along with a proven track record with analytical, project management, organizational, interpersonal and leadership skills. Ability to travel both internationally and domestically, about 10-15%

Interested candidates should visit the Careers section at www.phmining.com.

Milwaukee, WI (Southside area)

Sr. Project Manager and Project Manager

The Sr. PM will be an expert in the field of project management and will mentor, coach and train Project Managers. Will be responsible for ensuring that Project Managers projects are on track and meeting project requirements. The Sr. PM is responsible for overall project and leadership of it. Sr. PM is the key communication link, and is expected to ensure that all team members work in unison. The Sr. PM is expected to communicate projects status and risks to senior leadership, and to communicate business strategy and objectives to their team. The Sr. PM must be a strong problem solver to assist the team in meeting objectives, and will train PMs in problem solving techniques and lead problem solving sessions. The Sr. PM must continually anticipate and assess risks within their projects and help to develop contingency plans during the schedule development, throughout the project.

Specific duties include development of detailed project plans with input from product management and other areas including external resources. Plan detail will increase as the project progresses through the phase gates. Execute project work plans and revise as appropriate to meet changes and requirements. Coordinate daily operational aspects, including organizing meetings and conference calls. Work with marketing, NPD engineering and supply chain for product milestones. Hold regular update meetings with the various stakeholders (e.g. sales, product mgnt., mfg). Effectively communicate project information and changes to stakeholders and project team. Communicate with international vendors and company personal as needed, beyond work day. Plan and track critical project activities through meeting and project mgmt tools.

Education requirements include a B.S.M.E or B.S.I.E, master's degree preferred. 10+ years of PM experience in a product development or engineering organization. 3+ years direct management experience for a group of project managers. Understands a wide array of manufacturing processes, especially sheet metal and plastics. Strong working knowledge of Microsoft Project and Office 2007, Oracle ERP preferred. Ability to successfully lead and motivate people. Must be results oriented, energetic, proactive, a team player with ability to see the vision. Ability to perform well under pressure, adapt to change, and meet deadlines in a fast-paced environment when managing multiple projects.

Please send resumes to: Dale Wiza, Professional Engineering Placements, Inc.
dale@engineeringplacements.com o 414-427-1700 - SAE Career Development

Milwaukee Section 2010-2011 Governing Board

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Hamlin
email: tony.grant@hamlin.com

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Mike Krauski
UW-Milwaukee
email: krauski@uwm.edu

STUDENT ACTIVITIES:

Randy Hoffman
ACS
email: rhoffman@acscm.com

CAREER DEVELOPMENT:

Dale Wiza
Professional Engineering Placements, Inc.
email: dale@engineeringplacements.com

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UW-Milwaukee: Mitch Crawford
MSOE: Alex Zelhofer

Welcome back from the holidays. I hope you enjoyed some well deserved free time with friends and family. We are ready to resume the SAE activity during the February 15th section meeting. The February meeting will offer a different venue from our classic technical focus in hopes of engaging additional members, while offering a career building experience.

I'm proud to report that the November Section meeting was a great success! \$6000 in grant money was distributed to the collegiate chapters to apply towards their vehicle competitions. The attendance this year surpassed any previous year with over 70 attendees and 6 vendor exhibits related to rapid product development. The Section continues to search for new ways to support our student chapters. Please contact new board member Randy Hoffman, Vice Chair – Students Activities, to find out how you or your company can benefit a chapter.

Note the March 7th-12th dates for the Clean Snowmobile challenge held at Michigan Tech University in Houghton, MI. There will also be a Milwaukee Section meeting during the event. Don't miss this opportunity to interact with the student teams, in addition to riding the snowmobile trails through scenic Copper Harbor. Find out more information on the CSC by visiting <http://students.sae.org/competitions/snowmobile/>. We hope to see you there!

The Section officer nomination committee will meet this month to vote on next year's officer line up. Please send your nominations to j.w.ryan@na.modine.com for consideration. The selected offices will be announced in the February newsletter.

Best regards,
Jim Ryan
Chairman – Milwaukee Section

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