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ASME CENTRAL MI SECTION OCTOBER MEETING

Tour of Parker Hydraulic Systems Division

Date: Thursday, October 16, 2008

Dinner: Catered (at Parker Hydraulic)
Hot Chicken Salad (catered by The Ample Pantry)
Cost: \$15

Tour: Parker Hydraulics Systems Division
2220 Palmer Ave
Kalamazoo, MI
(269) 384-3400

Agenda:
5:30PM - Registration
6:00PM – Plant tour
6:30PM – Dinner followed by presentation

Parker Hydraulic Systems Division - Kalamazoo

For over a century, Parker's Hydraulic Systems Division (HSD) products have been an integral part of aviation history. Today, HSD is the industry leader for providing fully integrated hydraulic systems and manufacturing advanced hydro-mechanical and electro-mechanical subsystems and components for aerospace and derivative markets.

Our development capabilities are proven by our industry-leading partnerships. Since 1993, HSD has designed and certified nine civil aircraft hydraulic systems for three business jets and six regional jets. We are also leading the development efforts of the hydraulic systems for several new business jet, light jet, regional jet and wide-body platforms including the Boeing 787 Dreamliner.

HSD's primary facility located in Kalamazoo, Michigan USA is AS9100 certified. The 170,000 square-foot facility designs, manufactures, and services hydraulic components for both military and commercial aerospace sectors. It produces hydraulic axial piston pumps and motors, electric motor-driven pumps, hydraulic power transfer/supply units, electro hydraulic power modules, electro-hydrostatic/electro-mechanical actuation power modules, hydraulic thrust-reverser & landing gear actuators, accumulators, reservoirs, filter modules and valve packs.

RSVP by Monday, October 13, 2008.

(Indicate member's name, guest, company/school and nationality)

RSVP contact: John Lobo (269) 342-3342 or JohnCLobo@Eaton.com

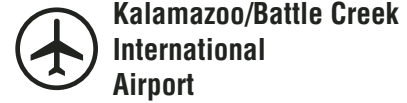
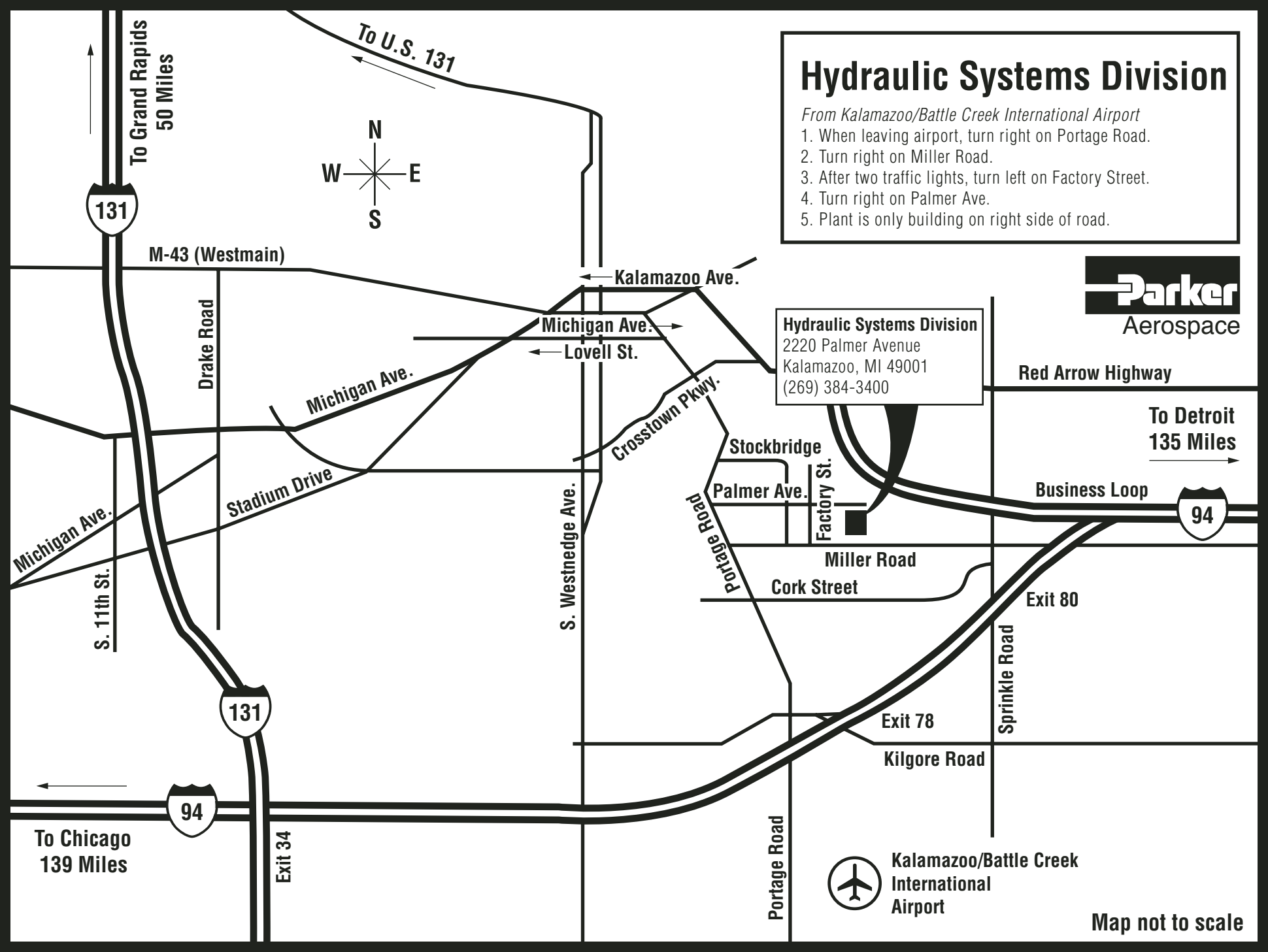
Link to Map: [Mapquest link to Parker Hydraulics](#)

Hydraulic Systems Division

- From Kalamazoo/Battle Creek International Airport*
1. When leaving airport, turn right on Portage Road.
 2. Turn right on Miller Road.
 3. After two traffic lights, turn left on Factory Street.
 4. Turn right on Palmer Ave.
 5. Plant is only building on right side of road.



Hydraulic Systems Division
2220 Palmer Avenue
Kalamazoo, MI 49001
(269) 384-3400



Map not to scale

Upcoming Events

Presentation by IRL driver Sarah Fisher

Tuesday, November 18 2008

Western Michigan University's Fetzer Center

Tour of Bradford-White

December (date tbd)

Middleville, MI

Engineers Week Dinner

February 17, 2009

Western Michigan University's Fetzer Center

ASME SELECTS 2008 CONGRESS KEYNOTE SPEAKER

Dr. Peter H. Diamandis, a pioneer and leader in the commercial space arena, will be the keynote speaker at the 2008 ASME International Mechanical Engineering Congress, Oct. 31-Nov. 6 in Boston. The keynote will be held at the Opening Session of Congress on Sunday, Nov. 2, from 5:30-7:00 p.m. Diamandis is chairman and CEO of the X PRIZE Foundation and is changing the way the world thinks about its problems and their solutions.

He is also the chairman and co-founder of the Rocket Racing League, and serves as the CEO of Zero Gravity Corporation, a commercial space company developing private, FAA-certified parabolic flight utilizing Boeing 727-200 aircraft. Diamandis is a co-founder of Space Adventures, Inc., the company which brokered Dennis Tito and Mark Shuttleworth's flight to the International Space Station.

Dr. Diamandis attended the Massachusetts Institute of Technology where he received his undergraduate degree in molecular genetics and graduate degree in aerospace engineering. After MIT he attended Harvard Medical School where he received his M.D. In 2005, he was also awarded an honorary doctorate from the International Space University. He is the winner of the Konstantine Tsiolkovsky Award, twice the winner of the Aviation & Space Technology Laurel, and the 2003 World Technology Award for Space. In 8th grade, while living in New York, Dr. Diamandis won first place in the Estes rocket design contest.

Diamandis' mission is to open the space frontier for humanity. His personal motto is: "The best way to predict the future is to create it yourself!"

ASME Early Career Development Forum

Join us in Boston on Sunday, Nov. 2, 2008, for a chance to turbocharge your career! The **Early Career Development Forum** provides an outstanding opportunity to learn the skills necessary to get your engineering career on the fast track. Industry experts offer key advice on how to advance in both technical and management areas.

In one information-packed day, learn how to:

Work with different groups of people to accomplish objectives and develop relationships; develop mentoring relationships with the experienced engineers around you; create a project roadmap; gain insight into how a design moves from concept to reality and how the internal and external customers drive improvements in order to make the best product available. And more!

Forum Topics:

Systems Thinking: Managing Expectations
Knowledge Transfer: Building Your Technical Expertise across Generations
Energy: Renewable and Alternative
Nanoscience & Engineering
Design: Concept to Reality

Get full details and get your career on the fast track! visit:

<http://www.asmeconferences.org/Congress08/ECF.cfm?campaign=ecf08&channel=email81308>

VOLUNTEERS NEEDED! ENGINEER YOUR LIFE

Help Inspire the Next Generation of Young Women to Become Engineering Leaders!

ASME (as part of its Engineers Week collaboration) actively supports Engineer Your Life (EYL), the national campaign to encourage college-bound girls to consider engineering enrollment.

A key element of EYL outreach is collaboration with the college counseling community through the National Association for College Admission Counseling (NACAC). We are asking for volunteers – engineering and engineering students – for high school fairs throughout the U.S. this fall.

Cities, dates and locations of fall fairs can be found at http://www.eweek.org/site/pdfs/college_fair.pdf For more information or to sign up, contact Marina Stenos at 212 591 8614 or stenosm@asme.org. For more information about Engineer Your Life, visit www.EngineerYourLife.org

The ASME Foundation Launches Major Capital Campaign

In 1973, the first ASME Federal Fellow was charged with drafting a committee staff report on "Initiatives in Energy Conservation," which laid out the rationale for possible legislative action to ease energy prices in the wake of the Arab Oil Embargo. Initial hearings on automobile fuel economy standards and appliance efficiency labeling followed and, in time, the Energy Policy and Conservation Act was signed into law.

Thus was born the ASME Federal Fellows program, which continues to offer unbiased technological and scientific insights and advice to our public policy makers in Washington D.C. to ensure that public policy based on sound engineering principles.

Today, the results of that first ASME Federal Fellow's contributions are clear: automobile fuel efficiency ratings, or CAFE standards, are in place and will increase to 35 miles per gallon by 2020. The appliance efficiency rating program – those yellow stickers on appliances large and small – has been expanded. And, of course, there is much more. The world has undergone tremendous change since 1973. At no time in history have our nation and our world confronted more technologically complex challenges requiring engineering solutions than at the present.

The ASME Foundation will announce at this year's Congress that a three-year campaign is underway to raise operating and endowment funds to ensure the future of the ASME Federal Fellows program, and of technologically sound public policy. The official launch of the campaign will take place at the beginning of the keynote address on Sunday, Nov. 2, in Boston. Don't miss hearing Governor John Sununu make the formal announcement.

2008-09 Diversity Action Grants now Available

Sponsored by ASME's Center for Leadership and Diversity, the Diversity Action Grants program provides awards ranging from \$500 to \$1500 to ASME Student Sections to sponsor events which:

- Promote the inclusion of women and under-represented minorities in ASME Student Sections and in mechanical engineering;
- Inspire K-12 students to excel in science, technology, engineering and mathematics (STEM) education;
- Engage international participation in ASME Student Sections;
- Assist minority- and/or women-owned businesses solve engineering design problems

Projects that emphasize collaborative partnerships with other engineering societies on campus, as well as international in scope are strongly encouraged to apply. To be considered for the 2008-09 academic year, all applications should be submitted by November 10. For more information on the DAG program and an online application, contact Marina Stenos at stenosm@asme.org, or visit http://www.asme.org/Communities/Diversity/Diversity_Action_Grant.cfm

2009 ASME I•Show -- Student Teams Wanted!

ASME's Third Annual Innovation Showcase -- I•Show -- is currently looking for creative and entrepreneurial student teams that are looking to commercialize their innovation. The ASME I•Show provides the full experience of technology product development, bridging the gap between engineering school practicum and business school theories. More than a standard business plan competition, teams with the most creative yet commercially viable ideas will be rewarded with industry recognition and seed funds.

Deadline for Team Submission: Dec. 12, 2008

The 2009 ASME I•Show is scheduled for June 13, 2009. For more details, visit: www.asme.org/events/ishow or contact Patti Snyder at snyderp@asme.org

Call for Mentors! Ementoring Opportunities for Early Career Engineers.

Mentors are a great way to gain knowledge and learn from the experiences of experts in your field. ASME offers an e-mentoring service right at your fingers!

To learn more and sign up for mentors, or to register to become a mentor, log onto

http://www.asme.org/jobs/mentoring/Ementoring_Early_Career.cfm or contact Noel Netel at neteln@asme.org



The ASME Foundation promises something big at Congress this November! Don't bother to guess; make sure to be in Boston at the Keynote Address on Sunday, front and center.

<http://foundation.asme.org/>

Recipient of the First Virginia Tech Memorial Scholarship



Please join The ASME Foundation in presenting the first ever Virginia Tech Memorial Scholarship award to Justin Klein. Mr. Klein, who has completed his undergraduate studies at VT, will begin graduate coursework at the College of Engineering in the fall 2008.

The Virginia Tech Memorial Scholarship Fund was created with your generosity to permanently observe the tragic events of April 16, 2007. The fund is currently endowed to ensure that a VT graduate student in engineering will receive a \$5000 award in perpetuity.

Congratulations Justin! Go Hokies!

Participate in ASME's Salary Survey get a **FREE** salary report based on your experience level and geographic area. Visit <https://asme.enetrix.com> and see how you compare! **ASME Member Exclusive!**

Purchase comprehensive, custom reports at a discount price.



Great Opportunities, Great Work, Great People Engineers without Borders – USA



Engineers Without Borders - USA (EWB-USA) is a non-profit humanitarian organization established to partner with developing communities worldwide in order to improve their quality of life. This partnership involves the implementation of sustainable engineering projects, while involving and training internationally responsible engineers and engineering students.

ASME and EWB-USA have been collaborating for several years on a variety of projects. You can get involved too! EWB-USA offers several opportunities to become involved in building a better world one community at a time, whether you are an engineering student (undergraduate or graduate; a student in some other field of study; a professional engineer or university faculty member; or, not an engineer at all!

There are several EWB_USA workshops taking place this fall around the country. More details on these workshops are available at <http://www.ewb-usa.org/Fallworkshops.php>. To find out how your Student Section can get involved in EWB-USA, contact Marina Stenos at stenosm@asme.org or 212 591 8614.

Enhance Your Presentation Skills at Congress

Join us on Saturday, Nov. 1 from 8:30 – 4:30 pm for the Best Practices for Powerful Presentations event in Boston.

In this hands-on and interactive session, you will explore four key best practices for presentations: appropriate content, presentation format, enhancing the overall learning experience, and fine-tuning in real time. You will engage in mini presentations to obtain first-hand experience, examine varied presentation formats and their respective value, and discuss facilitating different types of groups and participation situations.

The Best Practices for Powerful Presentations event will leave you more confident and more competent in your presentation skills. Since this is such an important skill for ASME volunteers it will be held **free** of charge to all participants. Travel reimbursement is limited and will be offered on a *first-come, first serve* basis to participants attending this 1-day event. This reimbursement will cover reasonable travel expenses (excluding rental car costs) and up to \$150 per diem for the day. To register or find out more information for this event, contact Ty Booker at bookert@asme.org by Oct. 15, 2008. For more information on the event facilitator go to <http://files.asme.org/Volunteer/VOLT/15697.doc>.

Volunteer with ASME Using the Volunteer Opportunities Bulletin Board

Have you thought about volunteering at ASME, but don't know where to start? Try the Volunteer Opportunities Bulletin Board (VOBB). Whether you are an experienced ASME volunteer or new member looking to make a difference, the VOBB is the place for you to start. As a tool designed to help volunteer leaders promote local Section and Society-wide positions, it opens the door to new opportunities. The opportunities for involvement include pre-college and educational activities, standards development, government relations, honors and awards selection, the development of new programs and more.

To learn more about the VOBB and the volunteer positions available, go to <http://volunteer.asme.org/vobb/>.

Programs and Activities Training Committee

Seasoned members: Looking for a way to pass on your expertise to new members? New members: Looking for a way to increase your participation in ASME at your own pace?

The Knowledge and Community (K&C) Sector recently formed a Training Committee to work on the following:

1. Review and update existing skills and knowledge material. Volunteers use this material, called the body of knowledge (BOK), at each K&C leadership level.
2. Develop and implement an annual training plan for leaders in the K&C Sector. The training plan will include face-to-face conferences, webinars, online self-study material, and information that can be downloaded for local use.
3. Work closely with other ASME members to provide world-class leadership training and orientation for volunteer leaders, which will contribute to the quality of leadership at all levels.
4. Develop the knowledge and skills needed to lead ASME units in forming collaborative efforts, sharing best practices, providing forums for outreach, focusing programs on critical issues (students, early career engineers, industry, new technologies, etc.), encouraging more active volunteer participation, and developing new business opportunities.

Choose topics that most interest you. Contribute your special talents (speaking, teaching, editing, etc.) to enable learning at training events in your local, district or society events. We'd love to have you.

VOTE NOW !!

The Future of ASME is in your hands!!!

Information about nominees for Society Office for terms beginning in June 2009 is now available online. <http://www.asme.org/Governance/Nominating/>

Ballots are included in your September 2008 Issue of ME Magazine and are due on or before Oct. 17, 2008

You have the power to shape the future

Michigan Section News 6

of ASME!!

<http://sections.asme.org/CMich>