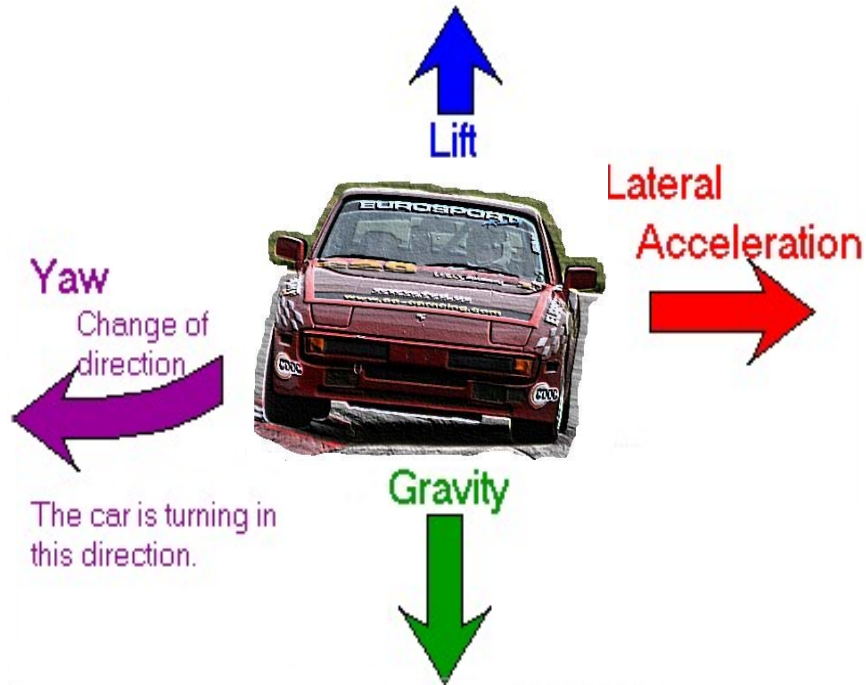




Precision Driving School and Autocross with the Porsche Club of America

Saturday, September 23rd 2006



Location: Caterpillar Technical Center Parking Lot L
14009 Old Galena Rd, Chillicothe, IL 61523-9551

Society of Automotive Engineers has had a long-standing relationship with motor sports, and CIS-SAE chapter would like to continue to expand on this relationship in Central Illinois. Our September program is co-hosted by the Lincoln Trail Region of the Porsche Club of America. The main event of the program is a precision driving autocross in which SAE and PCA members will be able to navigate a maneuverability course for time. This is a precision driving event and participants will focus on vehicle control, vehicle dynamics, and improving on their own lap times. The program activities will balance instruction with in-car activities. For those who are not able to register or not interested in participating in the driving portion of the event, the drivers meeting and driving instruction will be open to all attendees. The instructor will touch on proper line, smoothness, and transitions from one section of the course to the other. Most of the information presented can be directly applied to street driving. This is an excellent opportunity for drivers of all experience levels. This program will be very educational and interactive, so please join us.



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Prize

February
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Transmissions

March
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Crash
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March
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Student Projects

April
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Development

May
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Fighter



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Details:

- Pre-registration is **required**. The event will be limited to 40 drivers on a first-come-first serve basis. Web registration open to SAE and PCA members on August 25th. Web registration opens for non-members on September 8th. Plan to pay at the event—cash or check only. You can register on-line at <http://ltr.pca.org> or <http://www.saesections.org/cis/>.
- Driver entry fee is \$30.
- See the PCA website for autocross requirements prior to attending the event.
- No lunch is provided and there is not a scheduled break for lunch.
- Goal is for each participant to have at least six runs.
- Fun runs at the end if time allows
- Driving instruction is free to anyone who wishes to attend
- Spectators please plan to bring your lunch or travel for lunch—there will be no lunch services provided on-site
- Seating will not be available, so we suggest you bring a lawn chair if you want to sit to watch the event



Tentative Schedule

Estimate Time	Group 1	Group 2	Group 3
10:00-10:45	On Grid	Break	Work
10:45-11:15	Work	On Grid	Break
11:15-12:00	Break (Lunch)	Work	On Grid
12:00-12:45	On Grid	Break (Lunch)	Work
12:45-1:30	Work	On Grid	Break
1:30-2:15	Break	Work	On Grid
2:15-3:00	Fun Runs		

Spectators are welcome and encouraged to attend. They will find the drivers meeting especially interesting, as we will discuss proper driving techniques specific to the course we have setup.

Directions:

From downtown Peoria, take Route 29 North 11 miles north of downtown. Just after Hwy 6 interchange, turn left on Old Galena Rd (not a stoplight). Take a left on Cedar Hills Dr. Take the first entrance to the right into the Caterpillar Technical Center Parking Lot L. Keep left to enter parking lot. Arrive at 14009 Old Galena Rd. Mossville

In this issue:

- Event Details
- Event Sponsorship—eServ
- Event Lead Note from Andy Berberich
- Chairman's Note from Matt Rampenthal
- Communication Chair's Note from Steve Hofstetter
- Mini-Baja® 2008 Coming to Central Illinois
- Student Information
- Upcoming Events:
 - E Serv ePrix, Sept. 29, 2006
 - SAE ComVec, Oct. 31-Nov. 2, 2006



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EVENT SPONSORED FOR YOU BY:



eServ, a Perot Systems Company is a product engineering services provider, headquartered in Peoria, Illinois. We team with leading Fortune 1000 manufacturing companies to discover new ways to maximize their engineering function. We have extensive experience in providing engineering services that are both cost-effective and exactly meet your needs.

eServ began as an engineering company focused on computer aided design and evolved into a forward-thinking, full-service product engineering firm that has changed the way engineering services are offered in the U.S., through their ValueSourcing® business model.

eServ supplies several different services specializing in New Product Introduction (NPI), Application Design Support, Quality and Reliability, and Cost Reduction.



www.eserv.biz



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Event Lead Note from Andy Berberich:

Greetings fellow SAE members,

It's been one year since my first major responsibility as a new member of the CIS-SAE governing board. I would like to thank everyone for helping make the September 2005 SAE/PCA autocross a success. Each program committee member is empowered to organize and manage at least one program for that committee's term. Last year I proposed and accepted the challenge of overseeing the first SAE autocross for the Central Illinois Section. It was such a resounding success, that we have plans to make this an annual activity that will kick off each new CIS-SAE term.

For myself, it was a personal goal to present the opportunity of "competitive engineering" to our members. In the past two years, I have grown tremendously as an Engineer and I owe this growth primarily to my activities in motorsports. For me, it first started in college with my involvement in SAE Mini Baja®. Along with Formula SAE, these programs have produced some of the best engineers you will ever get the opportunity to work with. My obsession with motorsports lead me to autocross, go kart racing, pit crewing for other race teams, and now as much wheel to wheel racing as possible. The wheel to wheel racing has greatly improved my abilities as an engineer.



Almost two years ago, I realized that I had always wanted to race wheel to wheel, however it never happened because I always had more excuses than solutions. That changed after I bought my 1983 Porsche 944. With help from Midwest Eurosport in Chicago, I built my first, and *so far* only, racecar. In my opinion, motorsports are the ultimate engineer's sport because it pits mind and machine against mind and machine. The machine is the easy part. Anyone can buy the machine, but making it safe, reliable, and competitive truly challenges the mind. Try to balance these characteristics along with being cost effective and you have just described the job responsibilities of our entire SAE membership. What you learn at work can be applied at the track and what you learn at the track can be applied at work.

I am personally inviting each member of SAE to attend our September 23 **Precision Driving School and Autocross with the Porsche Club of America**. Don't think of it as a hobby. Don't think of it as a spectator sport. Think of it as a career development tool with the additional benefits of having fun. Now I must repeat last year's word of caution: once you start, it's difficult to stop.

Take care and see you in September.

Andy Berberich
CIS Program Committee
CIS SAE Mini Baja Committee



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Chairman's Note from Matt Rampenthal:

Greetings to all CIS-SAE members and friends and welcome to the 2006 - 2007 program year! I am Matt Rampenthal, your incoming Section Chair. I want to take this opportunity to introduce myself and share with you our vision and plans for the upcoming year. We have a lot of exciting activities planned for this year and are looking to continue the goals and vision established by prior Governing Boards.

I have been a member of SAE for over 10 years and have been active in the Central Illinois Section for the past 8 years. Being involved in our section has given me the opportunity to serve in many capacities on our Governing Board – secretary, Communications Chair, Program Chair, Treasurer, and Vice Chair. Getting involved in our local section has been important to me, as it has given me the opportunity to meet people within our area that I would not have otherwise. To me, networking has been the biggest value that I have received from SAE.

Some of our goals for the coming year are to increase membership value and grow our section – ranging from the networking opportunities that I mentioned above, to continuing education and community involvement. SAE is well known within the engineering community, but one of biggest opportunities is to increase the engagement of non-members throughout Central Illinois. We also are continuing to roll out our revamped web site (www.saesections.org/cis/). Please take a few moments to check out our new format.

As a member a SAE, I see the value that membership in our section brings. I would like to challenge our membership to help us increase our section presence in Central Illinois. This can be through sponsoring a new member at one of our programs or by volunteering to help our A World In Motion (AWIM) programs, which helps middle school students increase their understanding of engineering principals. I hope to see everyone at our first section program – Autocross on September 23rd!

Matt Rampenthal
Central Illinois Section – Chair



Take a moment to welcome the new members of our governing board:

Jennifer Conger—AWIM

Eric Engelbrecht—Sponsorship

Andy Henderson—Sponsorship

Matt Leustek—Program Chair

Brian Garman—Program

Jennifer Grote—Program

Steve Hofstetter—Communications Co-Chair

Kim Stanek—Communications Co-Chair

Nick Reed—Communications

Matt Anderson—Communications

Fred Dock—Membership/Student Involvement

Our returning governing board members:

Kim Ingles—Vice Chair

Andrea Brazzale—Mini-Baja® Chair

Bill Franey—Safety Seat Campaign

Andy Berberich—Program, Sponsorship, Mini-Baja

Guillermo Herrera—Communications

Mustafa Al-Shawarf—Membership/Student Involvement

Marty Lehman—Mini-Baja® Committee

Joe Furgerson—Mini-Baja® Committee

Aaron Berberich—Mini-Baja® Committee

Kevin Moloney—Mini-Baja® Committee

Sheela Rajendran—Mini-Baja® Committee

Ivan Leaders—Mini-Baja® Committee

Craig Hittle—Mini-Baja® Committee



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Communication Chair's Note from Steve Hofstetter:

Welcome to the 2006-2007 CIS SAE program year! I am Steve Hofstetter, your Communications Chair for this program season. I am joined by a very capable team including Guillermo Herrera, Matt Anderson, and Ben Fong. First of all I want to thank Andrea Brazzale, your Communications Chair for 4 out of the last 7 years, for doing an outstanding job and helping to set us up for success this year! We appreciate her hard work, dedication and excellent leadership!



We began our season by supporting the Program Committee with a survey to discover your interests in various upcoming program topic suggestions. You may have participated in this survey. If you did not, please get back with myself or the Program Committee and give us your ideas! We also plan to occasionally implement surveys either through our email distribution list or from our www site. This year we plan to keep you informed of events and news in the SAE community through regular distribution of the eCentroid, updating the www site (www.saesections.org/cis/) and distributing postcards to those on the email list. Our challenge is to inform you of all of our events a month in advance! Our communications materials will all have a consistent theme, which we will be developing early in the year with updated graphics. We will also be adding a sidebar to the eCentroid, fliers, and www site to display the upcoming event topics for the entire year. Please look for it!

We look forward to supporting our entire section, but especially Section Chair Matt Rampenthal in his goals as well as the Program Committee in their events. One particular goal will be to make more people aware of CIS-SAE and engage them to become members. We look forward to serving you this year and as always, if you have any suggestions, ideas or wish to get involved, please feel free to contact us! (CIS_SAE_Communications@yahoo.com)

Steve Hofstetter
Central Illinois Section - Communications Chair

Mini-Baja® 2008 Coming to Central Illinois:

CIS-SAE has committed to host one of the 2008 Baja competitions. We believe this will bring tremendous value to the CIS-SAE membership, as well as engineering companies in our area.

Andrea Brazzale will be chairing the committee, however, we are looking for volunteers, not only for the committee, but also for the event. If you are interested in volunteering, or in sponsoring the event, please contact Andrea at brazzale.andrea.t@cat.com.



Photo courtesy of east.minibaja.org

Student Information:



The 2005-2006 University of Illinois Mini-Baja Team made significant improvements to their car during the course of the year. The main improvement was a suspension modification that addressed the jumping ability of their machine. In the 2006 Midwest competition only the UI Mini-Baja car was one of the 12 cars out of the 140 in the competition that were able to make the pictured jump. The jumping improvements made did come at a cost of vehicle maneuverability. These maneuverability issues are slated to be worked on this year along with some transmission improvements. It looks like a promising year for University of Illinois Mini-Baja.



Up-coming Events:

eServ ePrix—September 29, 2006

The eServ ePrix is an annual fundraising event for Junior Achievement. You can visit www.eserv.biz, and click on the ePrix info link for sponsorship and entry forms.

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2006 eServ ePrix

It's that time again...
**START your Engines and
RACE for:**



**Friday, September 29
at "The eServ Track"
8200 N. Allen Road
Peoria, IL 61615**

Platinum, Gold & Silver
Sponsorships Available
or join us by purchasing
a Single Driver Slot.
See back for costs & details.



Please Contact:
Jill Donahue
(309) 691-4957 x1002
jdonahue@eserv.biz
Fax: (309) 693-3487



Central Illinois Section

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SAE Commercial Vehicle Congress, Oct. 31-Nov. 2, 2006, Chicago Area

The SAE Commercial Vehicle Engineering Congress and Exhibition is a global assembly of commercial vehicle engineering customers in one location. It successfully brings together, in one place, a global assembly of both on- and off-road customers, providing three days of solid, profitable interaction with engineers, supply managers and executives. This high-energy event enables attendees to access cutting edge technological information, engage in high-profile networking and enhance understanding concerning the issues and challenges facing the entire commercial vehicle industry.

As an SAE member, you can attend one event per year for FREE. There is a discount for registering before October 13.

event at-a-glance			
Monday October 30	Tuesday October 31	Wednesday November 1	Thursday November 2
SAE Technical Standards Committee Meetings (Monday – Thursday)	8:00 a.m. – 10:30 a.m. Technical Sessions	7:00 a.m. – 8:00 a.m. Bagels & Briefings: SAE Standards Update (Ballroom)	8:00 a.m. – 10:30 a.m. Technical Sessions
	10:30 a.m. – 10:45 a.m. Networking Break (Foyer)	8:00 a.m. – 10:00 a.m. Technical Sessions	10:30 a.m. – 11:00 a.m. Networking Break (Exhibit Hall)
	10:45 a.m. – 12:30 p.m. Panel (Ballroom): "Alternative Energy for the Future" and Technical Sessions	10:00 a.m. – 10:30 a.m. Networking Break (Exhibit Hall)	11:00 a.m. – 12:30 p.m. Panel (Theater): "Electronics Architecture" and Technical Sessions
	12:30 p.m. – 1:00 p.m. Lunch (Ballroom Foyer)	10:30 a.m. – 12:00 p.m. Panel (Theater): "Operator-Vehicle Interfaces" and Technical Sessions	12:30 p.m. – 1:30 p.m. Lunch (Exhibition Hall)
	1:00 p.m. – 3:00 p.m. Technical Sessions	12:00 p.m. – 12:30 p.m. Lunch (Exhibition Hall)	12:30 p.m. – 5:00 p.m. Committee Meetings
	3:00 p.m. – 3:30 p.m. Networking Break	12:30 p.m. – 1:30 p.m. Buckendale Lecture (Theater)	Exhibit Hours: Tuesday 3:00 p.m. – 8:00 p.m. Wednesday 10:00 a.m. – 5:00 p.m. Thursday 10:30 a.m. – 1:30 p.m.
	3:30 p.m. – 5:00 p.m. Panel (Theater): "Focus on India: Providing Engineering Solutions for the Commercial Vehicle Industry" and Technical Sessions	1:30 – 3:00 p.m. Technical Sessions	
5:00 p.m. – 8:00 p.m. Welcome Reception (Exhibition Hall)	3:00 p.m. – 3:30 p.m. Networking Break (Exhibit Hall)	Registration Hours: Monday 10:00 a.m. – 5:00 p.m. Tuesday 7:00 a.m. – 5:30 p.m. Wednesday 7:00 a.m. – 5:30 p.m. Thursday 7:00 a.m. – 1:00 p.m.	
	3:30 p.m. – 5:30 p.m. Panel (Ballroom): Global CEO Panel		
	5:30 p.m. – 9:00 p.m. Networking Reception and Banquet with Speaker: Carl B. Mack		

SAE 2006 Commercial Vehicle Engineering Congress and Exhibition

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