

SAE December Social Event *Spirit of Peoria* Dinner Cruise

Saturday, December 9th



Location:

Spirit of Peoria Boat Dock
 100 Water Street
 Peoria, IL 61602

Schedule:

5:15 PM 5:30 PM 6:30 PM 7:30 PM 8:30 PM	Arrive at <i>Spirit of Peoria</i> dock Sponsor welcome / Engine room tour Dinner buffet / Cruise on Illinois River Live band plays Return to dock
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Event Description

On Saturday, December 9th, please come and enjoy an intimate and merry holiday revue with your fellow SAE members aboard the Midwest's unique and historic paddle wheeler, the *Spirit of Peoria*. This dinner cruise features a tour of the *Spirit of Peoria* engine room, homemade holiday buffet, a two-hour riverboat cruise, and live family friendly entertainment. The tour of the engine room is a special treat added for our SAE event and features two Caterpillar 3412 diesel engines. So take a break from the busy holiday season, and come and spend some time getting to know other CIS SAE members!

Details

Meals Include: two entrees—one being chef carved ham, fresh green salad, vegetable, potato, rolls, coffee, tea and gourmet dessert. The other entrée is vegetable lasagna. Cash bar is available.

Pricing:

\$17.00 – SAE Member
 \$25.00 – Non-Member
 \$14.50 – SAE Student Member* / Children Ages 4-12*
 Free – Children 3 and under*

Please register and pay online by November 27th at www.saesections.org/cis/ on the CIS-SAE events webpage. Non-members will need to setup a login id and password on the SAE website. Only payment with credit card will be accepted for online registration.

* Students and children cannot register online. Please contact Jennifer Grote at Grote_Jennifer_E@cat.com to register as a student or to bring children. All children need to be registered whether or not there is a charge for the child. Only checks made payable to CIS-SAE that are received prior to the event will be accepted for registration not made online.



Program Dates

September 23
 Precision Driving School

October 12
 Fueling Our Future Transportation Needs

November 16
 ICC Design Competition

Saturday, December 9
 SAE Social Event

January
 X-Prize – The \$10 Million Prize

February
 CAT OEM Transmissions

March
 State Farm Crash Investigation

March
 Auto Show – Student Projects

April
 SWE Career Development

May
 Joint Strike Fighter



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Event Sponsor

Donaldson is a leading worldwide provider of filtration systems and replacement parts. We are a technology-driven company committed to satisfying customers' needs for filtration solutions through innovative research and development. We serve customers in the diesel engine and industrial markets including off-road equipment and on-road trucks, in-plant air cleaning, compressed air and gas purification, power generation, and disk drive filtration. Our 11,500 employees contribute to the company's success at over 30 manufacturing locations around the world. Additional company information is available at www.donaldson.com.



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Section Chair Note:

Greetings Central Illinois Section Members! This month we are going to hold an SAE Social Event on the *Spirit of Peoria*. Our section does not typically hold an event in December, and this year our Program Team and Governing Board thought it would a good opportunity to gather socially. The event format will be a dinner-cruise with a technical tour of the engine room containing two Caterpillar marine engines.

We are off to a great start this year with three of our programs under our belt already, and we have sound plans for the balance of this Section Year. The autocross event (which has become a staple event to start off our program year) was a huge success. This has become an annual event thanks to the cooperation of the Porsche Club of America and Caterpillar – without the help of these two organizations; we could not have this great event. In October we hosted a discussion on Fueling our Future Transportation Needs – another terrific technical session and dinner. November is our annual student design competition at ICC. This is an important meeting for our section to continue to reach out to Engineering Students in the area. Part of our mission is to help energize Engineering Students to maintain a strong interest in Engineering Careers.



Our Governing Board continues to work hard to bring technically exciting topics to our members at our Section Meetings. We are also striving to increase our membership value, which is always a goal for our team. In an attempt to continue to bring in new members and retain our current members, we are introducing a couple of social events this year – with this Dinner Cruise on the *Spirit of Peoria* being the first effort. Hope to see you there!

Matt Rampenthal
Section Chair



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Event Lead Note:

Fellow SAE Members,

SAE encourages educational programs for land, sea, air, and space, but how often do we as SAE members get to experience these programs in a setting that the whole family can enjoy? For the first time in recent history, CIS-SAE will be sponsoring a social event on the *Spirit of Peoria* paddlewheel boat that can be enjoyed by you and your family.

The purpose of the *Spirit of Peoria* social is for the members of CIS-SAE to get together and meet each other in a fun and relaxed atmosphere. CIS-SAE wants members to not only acquire educational benefits from going to CIS-SAE events, but also to feel comfortable and to enjoy going to those events. We think that this will happen if you have a chance to meet your fellow CIS-SAE members and get to know them and their families.

Another benefit of the *Spirit of Peoria* event is that we will get to experience the “sea” side of our educational creed. We will get to take a ride on the historic *Spirit of Peoria* paddle wheeler and tour the engine compartment in order to understand better how the boat is powered and moves. This event will be more “hands on” than our typical lecture style event with the added benefits of great food and family friendly entertainment.

Just to give you a little foretaste of the social, I would like to introduce myself. I am a first-year member of CIS-SAE and of the Program Committee. So, I am one of the rookies that Matt Leustek, our program chair, mentioned in his October note. My husband (who is also a new CIS-SAE member) and I have been in the Peoria area for four years working with Caterpillar. I became involved in CIS-SAE after a coworker on the Program Committee spotted me at the CIS-SAE NASCAR event at Caterpillar last year and invited me to join the Program Committee. Now I get to try my hand at planning a program that I hope many of you will enjoy.

I hope to meet you at the upcoming *Spirit of Peoria* event. And I hope that you will bring your families and friends to enjoy this event.

Regards,
Jennifer Grote
CIS – SAE Program Committee Member





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Communication Note:

Fellow CIS-SAE Members,

I hope everyone is ready for the holiday seasons with your family and friends. I am Ben Fong, the latest member of the Central Illinois Section (CIS) SAE Communications Committee. I first became an SAE member when I was working at a German-based automotive brake pad manufacturer in 1999. I enjoy very much being an SAE member because there are so many technical and networking resources that I could gain. I participated in SAE annual congresses, symposia, professional development seminars, and certification programs. Moreover, the SAE Store provides a variety of automotive and aerospace related books, journal articles, special products and e-learning courses. The Students Section offers learning and experience opportunities through Student Competitions, such as Formula SAE, Baja SAE, and Supermileage. For those who are interested in these resources, please visit <http://www.sae.org/events/>, <http://store.sae.org/> and <http://students.sae.org/>.



Among my other involvements with professional societies such as American Society for Quality (ASQ) and Institute of Industrial Engineers (IIE), the SAE is my most exciting opportunity because I am able to participate in our CIS-SAE Communications Committee. It is a rewarding challenge, requiring much hard work, to prepare and distribute eCentroids and postcards monthly to over 600 CIS-SAE members for a total of ten different program events. In the past two months we have had 32 new members join our chapter. Our CIS-SAE Chapter is currently ranked "Top 4 Gold Chapter" in terms of membership involvement by the SAE International organization.

I truly appreciate the great learning opportunity offered by SAE and the opportunity to be a part of this Communications Committee team with Steve Hofstetter (Communication Chair), Guillermo Herrera and Matt Anderson.

Thank you very much for your continuous support of the CIS-SAE. We look forward to meeting you at our upcoming events including: ICC's Annual Engineering Design Competition and the *Spirit of Peoria* Dinner Cruise. If you have any suggestions or ideas that you would like to share, please feel free to contact us at CIS_SAE_Communications@yahoo.com.

Yours Sincerely,
Ben Fong, Ph.D., ASQ-CQE
CIS-SAE Communication Committee

Student Chapter Donations and Matching Contributions

Student Chapter Donations and Matching Contributions

The two universities in our section, Bradley University and the University of Illinois at Urbana-Champaign, have active SAE Student Chapters that participate in SAE Collegiate Design Series competitions. Many of the chapter's activities, specifically the Formula SAE and SAE Mini Baja programs, give young engineers hands-on experience in the design, build, and development process. Current teams are in full swing, and now is the perfect time to support local education.





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These participants will be future engineers in the off-road equipment industry, and donating is a great way to fuel student and corporate growth. Many companies have donation matching programs to make your contribution go farther. The Caterpillar Foundation has a program for Caterpillar employees to get their contributions matched, regardless of SAE membership:

1. Fill out the Caterpillar Foundation matching funds form. The form can be accessed via www at <https://largepower.cat.com/cda/components/securedFile/displaySecuredFileServletJSP?fileId=203491&languageId=7> Under "Purpose of Gift/Gift Designation," specify "SAE Mini Baja" or "Formula SAE." There is an account setup for each. Under organizational information, indicate which university will receive your donation:

University of Illinois Foundation
Attn: Matt Wilson
1305 West Green Street, MC-386
Urbana, IL 61801

or

Gift Records, Bradley University
1501 W. Bradley Avenue
Peoria

2. Make check payable to University of Illinois Foundation or Bradley Fund. Please designate "Formula SAE" or "SAE Mini Baja" in the memo.

3. Send check and form to the addresses above. For the February 15, 2006 match, the contribution needs to be made by the end of 2006.

Please note that it is possible to contribute your gift on-line at the following websites, but the Caterpillar Foundation matching funds form must still be sent by mail.

<http://www.giving.uiuc.edu>

<http://www.bradley.edu/development/onlinegifts/index.shtml>

Thank you in advance for your support!

SAE Commercial Vehicle Congress

The SAE Commercial Vehicle Congress was held Oct. 31 – Nov. 2 in the Chicago area. The event brought together 3,000 global attendees to share technological information and understanding on issues and challenges facing the entire commercial vehicle industry.

There were more than 200 technical presentation, 128 published technical papers, and 149 exhibiting companies. One of the most exciting aspects of this congress was the representation of the international community: in 2004, there were 13 countries represented. In this year's ComVec, there were 28 countries.

As a member of SAE, you are entitled to attend one SAE Event free each year! Become a member and enjoy the many opportunities that SAE has to offer.



Caterpillar was one of 149 exhibiting companies. As part of their exhibit, they had training simulators for attendees to experience what it is like to drive a piece of Caterpillar equipment. These simulators are used to train the operator of the future, and demonstrate the new technologies Caterpillar has integrated on their