



Program Dates

September 23
Precision
Driving School

October 12
Fueling Our
Future
Transportation
Needs

November 16
ICC Design
Competition

December 9
SAE Social
Event

January 24
X-Prize – The
\$10 Million
Prize

February 27
CAT OEM
Transmissions

Wednesday,
March 21
State Farm
Crash
Investigation

March
Auto Show –
Student Projects

April 25
SWE Career
Development

Tuesday,
May 22nd
Mapleton
Foundry Tour

Mapleton Foundry Tour

Tuesday, May 22nd, 2007



Location:

Mapleton Foundry
826 W. Rt. 24 (US-24)
Mapleton, IL 61547

Schedule:

5:15 PM	Social/Sign In
5:30 PM	Address by Section Chair
5:35 PM	Tour Begins

Caterpillar's Cat Metals Organization

Caterpillar's Cast Metals Organization (CMO) is a modern, electric melting, gray iron foundry that produces high-quality, innovative products. The latest techniques in process systems for melting, core making, molding and finishing are utilized to ensure quality castings. Castings produced at CMO include cylinder blocks, cylinder heads and liners. Components made at CMO are used in the C11/13 ACERT, C15/18 ACERT, 3500 and 3600 engine platforms.

Details

Please RSVP by May 17th at either 800-512-1919 or sae_reservations@yahoo.com. Space is limited. There is no cost associated with the tour!

Location

- Take US – 24 **west** towards Bartonville
- If coming from I-474, take Exit 6 for Adams St / US – 24 towards Bartonville.
- Stay on US – 24 for about 10 miles after Bartonville.
- Ignore the sign that points right for Mapleton and keep driving straight ahead. You will pass several chemical plants and an empty plant on your left.
- Mapleton Foundry is on the left and is marked with Caterpillar on the building.
- As you approach the plant there is a flashing yellow light (located on the lane divider) Turn **left** at this light.
- Turn **left** at the white guard shack
- Follow the road past the visitors lot and park in the main employee parking lot (two lots located on your right.)
- Enter under the covered entrance to the building and check in with Security.





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Safety

Visitors are required to stay with their tour escorts while in the factory.

No cameras or cell phones are allowed during plant visits. No purses, backpacks, bags, briefcases or fanny packs are allowed. **All of these items should be left in the vehicle you arrive in.**

Visitors must:

- Wear company-provided safety glasses, hardhat and hearing protection at all times.
- Be at least 12 years old.
- Wear shoes that provide a complete foot covering (no open-toe or open-heeled shoes, sandals or spiked heels) and substantial sole. Well-constructed athletic footwear is acceptable.
- Wear clothing that will provide minimal protection against hot chips, welding or grinding sparks, etc. No short pants may be worn inside the facility.

Walking canes and crutches are not permitted in the shop. Walking casts, wheel chairs, motorized carts etc. must be approved by Medical and Safety. Thus, if you have a guest who has a walking cast, wheel chair or would need a motorized cart due to use of a cane, crutch or other medical reason, please let Personnel know at least two days in advance to seek approval from Medical and Safety.

In This Issue:

- Chairman's Note
- Communication Note
- Leadership Development Seminar
- DYM/DSM Awards
- Indiana Section Meeting

Chairman's Note:

As I sat down to draft up this year-end note to summarize our activities to as a Section, I felt it necessary to recap the year against the goals that we set as a Governing Board in September. We have successfully held a Section event each month this year – multiple activities in some months, including the first social event in December in recent memory. Through the dedicated work of the Program Team, we were able to coordinate several new, intriguing events – all with the intention of continually improving member value through continued education.

Also, our membership has seen it's second year of growth. A comment that I had made in September still holds true to day: SAE is well known within the engineering community, but one of biggest opportunities is to increase the engagement of non-members throughout Central Illinois. I feel that we have taken solid steps to increase our visibility in the engineering and local communities. Another Section Goal was to set a standard format to our communication to provide a common feel to all of our communication material. Due to unforeseen issues a couple of months (weather and speaker changes) we were unsuccessful in meeting our delivery time goals – but through our efforts to reinforce our electronic communication efforts, our Communication Team set a new standard for material, content and timely communication.

We had a tremendously successful sponsorship year, resulting in our operation as a truly self-sufficient section. This effort has been growing the past two years, and we plan to keep the momentum in the future as this is the primary activity that allows us to bring in the important and engaging topics to our membership.

Finally, we have once again received Gold Section status – recognition to our Section's high level of governance and membership value. Also, two of our members were honored at the SAE World Congress for their contribution to our





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section: Kim Ingles received the Distinguished Younger Member award and Bill Jankovsky received the Distinguished Section Member award. Our section has received Gold Section status, and we have received the DYM / DSM for each of the past six years. This demonstrates the sustainability that the Central Illinois Section has had in the past, and is set up to have in the future.

I would like to thank everyone on our Governing Board that has helped to make this year such a success. We have been working hard to establish our Governing Board for our next Governing Year. David Patterson will be our Section Chair for the 2007-2008 Governing Year. If you would like to help our team as a member of the Governing Board, please let one of our Governing Board members know of your interest.

Matt Rampenthal
Central Illinois Section – Chair

Communication Note:

Hello Friends,

It is my pleasure to serve in this CIS-SAE committee. In the last six years, I have been involved with SAE in various capacities – as a member, author of journal papers and as a technical paper reviewer. However, this is my first term in the CIS-SAE committee and I thank Matt Rampenthal, Section Chair, for having given me the opportunity.



I thank Steven Hofstetter, Communications chair, for his mentorship when I joined the organization. I also thank my teammates: Guillermo Herrera, Ben Fong, and Matt Anderson for their support. I thank CIS-SAE for making a great attempt to break down the barriers of technology as well as community development.

Please check our website www.saesections.org/cis/ to get the latest update on the upcoming events. The website also includes a collection of our previous centroid newsletters.

Please let us know if you have any thoughts/suggestions on how we can better serve you.

Girish-Parvate Patil
CIS-SAE committee

Leadership Development Seminar

Central Illinois Section SAE organized the 4th Leadership Development Seminar on Wednesday, April 25th 2007 at Holiday Inn City Centre, 500 Hamilton Blvd., Peoria.

Three renowned leaders from different fields of expertise presented their views on developing leadership skills. Thea Robinson, US operations Manager, Caterpillar Inc., Decatur facility, shared her real life experiences, gave examples about essentials of leadership qualities and also mentioned the need for out-of-the-box thinking to groom the next generation leaders. She was named a Distinguished Achiever at the National Women of Color Technology Conference in 2005.



Martha Herm, Executive Director, of the Centre for Prevention of Abuse, serving the Tri-county area, highlighted domestic violence, sexual abuse and assault, and elder abuse. She mentioned how quality leadership affects prevention of abuse at various levels of society. She also mentioned how society needs to make changes to eliminate abuse and assaults, stressing that every solid change takes time and that society needs to have patience to see the positive changes.

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Jim Les, inducted into the Bradley Athletics Hall of Fame, the Illinois Basketball Coaches Association Hall of Fame, the Greater Peoria Sports Hall of Fame and in the Chicagoland Sports Hall of fame shared his experiences as a player during his nine-year professional career, which included seven seasons in National Basketball Association and as a coach at Bradley.

DYM/DSM Awards

On April 17, 2007, two Central Illinois Section members were given awards at the SAE World Congress in Detroit. **Kim Ingles** received the Edward N. Cole Distinguished Younger Member (DYM) Award; **Bill Jankovsky** received the Noble R. Patterson Distinguished Section Member (DSM) Award, at the SAE Awards Ceremony: Honoring Excellence.

The **Distinguished Younger Member**

award recognizes SAE members 36 years or younger who have distinguished themselves through involvement on their local section

governing board and with other section activities. The intent of this award is to encourage continued development, growth, and success of SAE sections and groups through distinguished younger member involvement. Established in 180, this award honors the member of Edward N. Cole who served as President and Chief Operating Officer of General Motors Corporation. A long time SAE member, he was a staunch advocate of the need to nurture the development of young people to maintain SAE's continued vitality and growth.



Kimberly Ingles is receiving her award for her many years of dedicated service with the Central Illinois Section. She is a Design Engineer in the Large Power Systems Division of Caterpillar Inc. She joined Caterpillar in 2001 as a Design Engineer for Dozer Systems within the Track Type Tractors Division. In 2005, she assumed her current role for C12 and C13 Marine Engines. Her responsibilities include new product introduction, continuous product improvement, and engineering support. She is receiving this award for her many years of dedicated service with the Central Illinois Section. She is a Design Engineer in the Large Power Systems Division of Caterpillar Inc. She joined Caterpillar in 2001 as a Design Engineer for Dozer Systems within the Track Type Tractors Division. In 2005, she assumed her current role for C12 and C13 Marine Engines. Her responsibilities include new product introduction, continuous product improvement, and engineering su

Ms. Ingles is a 2001 graduate of Michigan Technological University, with a B.S in Mechanical Engineering. She has been a governing board member of the Central Illinois Section for five years, spending the first three years coordinating *A World in Motion* in Central Illinois Schools. Before residing in her current role as Vice Chair, she served as Program Committee Chair. She looks forward to becoming involved in the Carolina Section as she relocates to the Caterpillar Marine Center of Excellence in Greenville, SC.





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March
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April 25
SWE Career Development

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Mapleton Foundry Tour

The **Distinguished Section Member** award recognizes individuals 37 years of age or older who have distinguished themselves through involvement on their local section governing board and with other section activities. Established in 1994, this award honors the memory of Noble R. Patterson, a member of SAE for 69 years, who throughout his long career, actively and enthusiastically supported SAE and local section activities and programs.



William (Bill) Jankovsky has been selected to receive this award for his many years of dedicated service and support to both the Central Illinois Section and to SAE International. Mr. Jankovsky has been a section chairman, Earth Moving Industry Conference chairman, SAE Sections Board member, SAE Annual Nominating Committee Board member, SAE representative on the Board of Directors for the Reliability & Maintainability National Symposium and member of the SAE Strategic Planning Committee.

As an SAE member since 1976, Mr. Jankovsky continues to influence the Section with his vast experience, energy and enthusiasm. He currently serves on the sections Long Range Planning Committee, where he willingly provides assistance and advice. His commitment to SAE is a model to all aspiring SAE members, as is his dedication to encourage people to join and participate in SAE.

Indiana Section Meeting



41st Annual Louis Schwitzer Award Meeting May 19th, 2007

Please join SAE, BorgWarner, and the Louis Schwitzer Award Committee for the presentation of the 41st Annual Louis Schwitzer Award on May 19th, 2007.

The Louis Schwitzer Award is presented each year to an individual or team that has demonstrated engineering excellence and innovation in racecar design and development. The award recipients receive a cash award from BorgWarner, and their names will be added to the permanent trophy in the Indianapolis Motor Speedway Hall of Fame Museum.

In addition, SAE will fund a scholarship in the winner's name to his/her engineering school of choice, if the Award winner was a Formula SAE team member while in school, the scholarship is increased.

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SAE Social
Event

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\$10 Million
Prize

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CAT OEM
Transmissions

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State Farm
Crash
Investigation

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Auto Show –
Student Projects

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Development

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BorgWarner enjoys a long-standing tradition of engineering excellence and product leadership, and the company sponsors this award annually at the Indy 500 to highlight its appreciation of superior design and implementation.

Last year's award was presented to Penske Racing, Inc. engineers Thomas German, Justin Horning, and Tom Janiczek for the developing a method to quickly adjust the rear wing angle on the race car during a pit stop.

Where: Indianapolis Motor Speedway
Plaza Hospitality Village - North Chalet
4400 W. 16th Street, Indianapolis, IN 46222

When: May 19th, 2006
10:00 AM – 6:00 PM Practice / Qualifications
6:30 PM – 8:30 PM Louis Schwitzer Award Meeting

Cost: Everyone is responsible for \$5 general admission fee (during the day only)
Evening meeting is FREE!

Dress Code: Business Casual

Additional Information:

- Garage passes will be available during the day on a first come first serve basis.
- Children are welcome to attend both the day and evening activities. However, they must be at least 18 years old to enter the garage area.
- Snacks and drinks will be available during the day (cash bar available).
- The evening will include award presentation, entertainment, cash bar, and heavy hors d'oeuvres.

RSVP

Please provide the name, the company, and the e-mail or telephone number of each person attending to Amy Sinkhorn by **May 18th, 2007**:

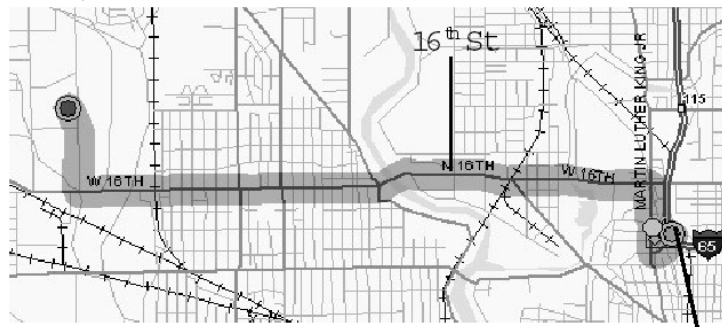
Email (Preferred): amy.s.sinkhorn@cummins.com

Phone: 812-569-3342

Directions:

From Exit 114 on I-65:

- Merge right to take 11th Street
- Take a right at Martin Luther King Jr. Street (almost immediately after turn unto 11th Street)
- Take a left at 16th Street
- Enter the Indianapolis Motor Speedway at Gate G2
- Track parking staff will direct you where to park, see below for track map



I-65 Exit 114

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X-Prize – The \$10 Million Prize

February 27
CAT OEM Transmissions

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March
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INDIANAPOLIS MOTOR SPEEDWAY

