

# The INNOVATOR

Volume 10 Issue 8

Check out our web site at: [www.saesections.org/indiana/](http://www.saesections.org/indiana/)

## May 2003



Louis Schwitzer Award  
as displayed in the Hall  
of Fame Museum

Entertainment after dinner.



## May 23, 2003

# Louis Schwitzer Award Dinner

# *The Spirit of the Louis Schwitzer Award*

Engineering is as much a part of auto racing as auto racing is a part of engineering. Unfortunately, the spotlight usually illuminates the owner or driver, while the engineer is left in the background. Consequently, the general public is typically unaware of the engineering tasks in the field of race car design and development.

The engineer is the person on the race team who spends long hours mulling over a sliver of an idea which he and his mates hope will produce a quantum leap in performance or efficiency of the car. From the glimmer of innovation he sculpts and smooths a workable, new design within the stringent constraints of modern racing - rules, time, and money.

The engineer, though vitally important to the team, is perhaps the most solitary member. Working in mutually exclusive areas, the engineer and the rest of the team have little contact with each other during much of the working day and night. But in his corner of the garage, the engineer, having established an alternative approach to the solution of a problem, faces an awareness that his resolution, once implemented, will affect the whole team effort in terms of increased success or failure. And, if there is no change at all in the car's performance, valuable time will have been lost.

The engineer visualizes, in his mind's eye, the airflow over a component, aware that ever more sophisticated aerodynamics play key roles in defining the leading edge. Similarly, he imagines his car negotiating a corner or turn and runs suspension reactions on the blackboard in his head. Or, perhaps he notices an innovation on a competitor's car and reflects upon the ways in which he might improve it.

The engineer is the team member who naturally thrives on the intellectual discussion with a peer, but, instead, forces himself to avoid interaction regarding his latest project because such conversation could lessen his team's competitive edge.

Though typically unsung, the engineer's role in motor racing is significant. The Society of Automotive Engineers, with an international membership exceeding 56,000, is in a unique position to recognize engineering excellence and innovation in racecar design and development. Therefore, SAE celebrates the engineer's feat through the annually presented Louis Schwitzer Award.



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## Meeting Information

We have an excellent Improvisational Comedy Troupe to provide entertainment at this dinner event. Our section has been entertained by members of this troupe previously. Expect to laugh and enjoy the refreshingly original comedic offerings.



### **Where:**

Murat Center  
502 North New Jersey Street  
Indianapolis, IN



### **When:**

**Friday May 23<sup>rd</sup>**

6:00 PM Meet and Socialize

7:00 PM Dinner

8:00 PM Award presentation followed by the  
entertainment



### **Costs:**

**Members**                      \$35 Single \$65 Couples

**Non Members**                \$40 Single \$75 Couples

*Reservations: Requested by 5:00 PM Tuesday, May 21<sup>st</sup>.*



## Contact Information

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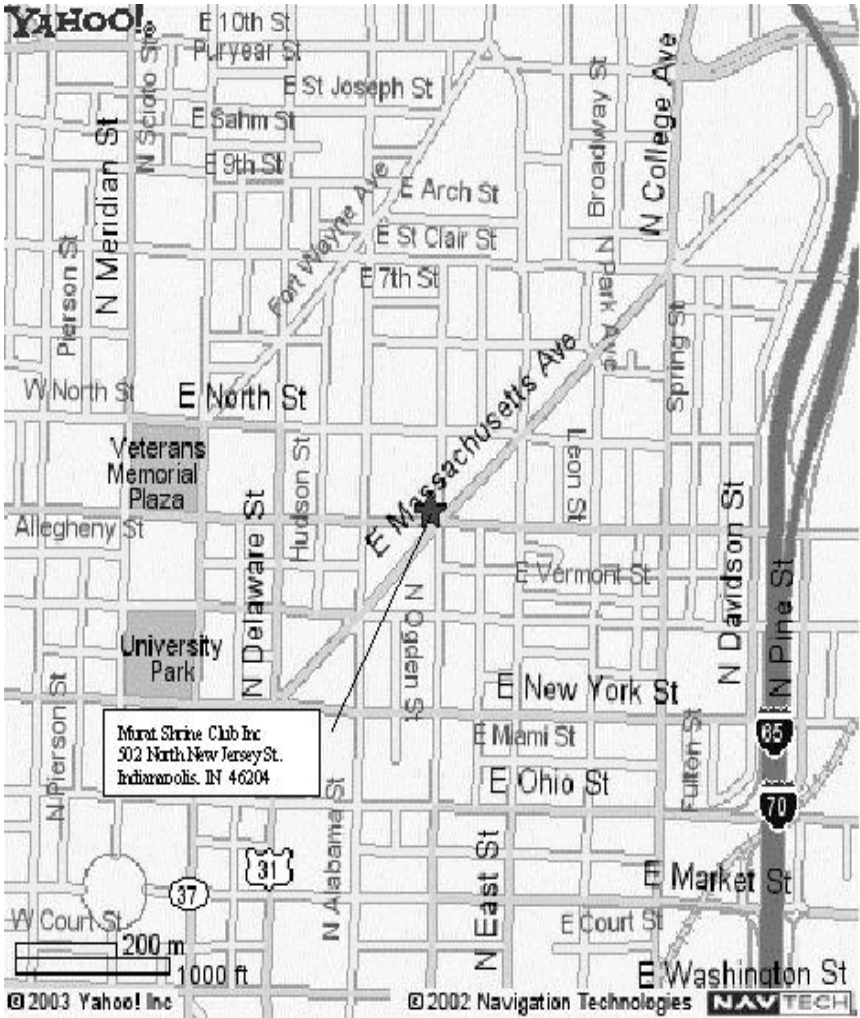
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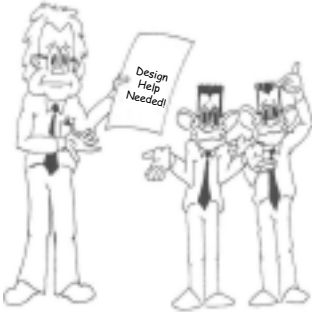
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***Please note:*** I465 and I65/I70 has lane restrictions due to the upcoming “Hyperfix” starting the day after the Indianapolis 500, so please plan accordingly.

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## Louis Schwitzer Award SAE Selection Committee Members

- ◆ Steve Holman (Chair), Ricardo-MTC Powertrain Consulting Engineers.
- ◆ Ricke Katko, Allison Transmission
- ◆ Larry Moore, Cummins Inc.
- ◆ Keith Pierson, BorgWarner Cooling Systems
- ◆ Pat Wildemann, Allison Transmission
- ◆ John Williams, Purdue University
- ◆ Steve Widmer, Purdue University

# Section Polo Shirts!

Your Indiana Section of SAE is offering high quality Perigrine Bay polo shirts with the section logo.

 Shirts without pockets are \$20  
(shirts are blue with white logo.)

 Shirts with pockets are \$21  
(shirts are white with blue logo.)

Shirts will be available for purchase at meetings.  
Check the web site for information on how to order shirts, for those who are unable to attend meetings.

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## At the Last Meeting

Last month's meeting, *Clean Diesels of the Future*, held at Cummins Engine Company's Technical Center was a great success. We had a packed house and great audience participation. Our gratitude to Cummins for sponsoring this event. Also many thanks go to Dr. Wall, for being our guest speaker. Dr. Wall spoke to the current and future environmental requirements for diesel engine emissions. He covered the methodology that has allowed Cummins to meet 2004 standards and the methods that will be needed to meet the future. It was a highly informative and entertaining presentation. Our members and guests kept Dr. Wall late into the evening answering questions and discussing the hot topic. Thanks again for great technical meeting.



## Meetings of Interest



**July 31<sup>st</sup>**

We will have the owner and an engineer from the Jasper Engine NASCAR team present a Tech Talk. The #77 show car will also be on display.



**September 25<sup>th</sup>**

We have the Jordan Grand Prix, Formula 1 team scheduled for an engineering presentation.

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