

SAE Mid South Section

DECEMBER 2006 / JANUARY 2007

NEWSLETTER

Our Vision Statement

The Mid-South section will be the local leader to industry in promoting the advancement of the mobility community and will fulfill a mentorship role with the student members to develop future leaders.

HAPPY HOLIDAYS



No meeting in December.

BUT



Page 1

SAE[®] Mid South Section

The January 2007 meeting is as follows!



Date: January 18, 2007

Time: 2:30 PM

Place: Bridgestone/Firestone NT, LLC
725 Bridgestone Drive
Morrison, Tennessee 37257

RSVP Deadline: January 8, 2007

Contact: Doug Fleenor

Email: Doug@midsouthsae.org

Pricing: No Charge

Join the SAE Mid South Section for a tour of Bridgestone / Firestone's commercial truck tire manufacturing facility in Morrison, Tennessee. There will be a brief film and explanation on the various components of a truck tire and their intended use. The tour will involve radial truck tires assembly only. Passenger and light truck manufacturing are very similar but done at other plants. The tour will be inclusive from the mixing of the rubber through the component preparation, tire assembly, curing and final inspection of primarily 18-wheeler type truck tires.

Bridgestone / Firestone has rules by which all people entering their facility must abide. A copy of these rules is attached at the end of this newsletter. YOUR RSVP denotes your willingness to abide by these rules on tour day.

PLEASE NOTE as stated above. **RSVP MUST BE RECEIVED BY JANUARY 8, 2007.** Requests received after that date will be denied, as Bridgestone/Firestone must approve all names on the list before admission to the tour.

SAE[®] Mid South Section

Directions to Bridgestone/Firestone of Morrison, TN

1. Travel southeast from Nashville or Northwest from Chattanooga on I-24 to exit 111.
2. North (toward McMinnville) on SR 55 for about 16 miles.
3. Turn left onto Bridgestone Drive.
4. Stop at gate guard and identify yourself for SAE tour.
5. Proceed to plant entrance up ahead on the right.

2007 Spring Golf Scramble

Golfers and professional hackers (like me) take note!!!! Mid South Section is hosting a golf scramble on April 22, 2007. This scramble will be held at Pine Creek Golf Course outside of Mount Juliet, TN. Go here for golf course information. <http://www.pinecreekgolf.net/>

Here is your chance to have some fun, blow off a little steam and/or possibly win some prizes. *More details of the scramble will be announced in the February Newsletter.* If you are interested in sponsoring a hole, longest drive, closest to the pin, etc....or donating prizes, please send an email stating your intentions to golf2007@midsouthsae.org.

Chairman's Comments

The SAE Mid South Section has been very active in November of 2006.

University Presentations

Throughout November, several of our members gave presentations to SAE students at universities in our area in an attempt to involve them and help them understand the question we all asked at one time or another during our college tour(s), "What Do Engineers Really Do?". Thanks go out from me to the following SAE Mid South Section members for giving their time for these presentations.

Middle Tennessee State University: Ron Childers and Jason Hawkins
Tennessee Technological University: Carlton Kinslow and Daniel Parker
University of Tennessee Knoxville: Travis Cobb and Howard Jones
Vanderbilt University: Chris Giles and Kevin Line

Scheduled for the Month of December
Western Kentucky University: Kevin Line and Katie Nelson

If you would like to explain your daily duties to the students at one of our universities, please let me know. This type of activity helped me as a student and I think it is part of the core of what SAE represents.

SAE[®] Mid South Section

November DEI NASCAR Engine Development Presentation

POSITIVE!!!!: MANY THANKS for all that came out 11/29/06! As expected, it was very interesting and thought provoking as Mr. Jenckes spoke about the rules of NASCAR and many topics in the quest for horsepower in the highly controlled NASCAR world. As many of you are aware, Mr. Jenckes has presented to other SAE sections, at the SAE Commercial Vehicle Engineering Congress and Exhibition, and at many automotive trade shows. His presentation is excellent. Three of the many topics discussed included gasoline octane ratings for NASCAR, unpredictable valve flutter, and the use of Fluent software in modeling engine gas flows. The Italian buffet was excellent and the question session went on for 1 1/2 hours after the presentation. I was very excited to get Mr. Jenckes for the SAE Mid South Section November meeting and am very proud that it worked out the way it did. See picture below.

NOW FOR THE NEGATIVE: For the twenty-five or so of you that signed up but *just could not make it*, your reservations drove food costs that the section had to pay in your absence. Two of you have contacted us and offered to pay for your reserved meal. We appreciate that. If there are others who would like to follow that example, please do so. We understand that plans must sometimes be changed; but cannot continue to absorb these costs. We want to continue providing quality events; therefore, as a result of the November meeting and other financial losses at previous gatherings due to the same problem, the board has agreed to implement a pre-payment system that will begin at our next currency exchange event. Details will be announced at that time.



SAE East Mini Baja Event May 1 – 3, 2008

The initial planning meeting was held at TTU on 11/7/06. Committees are forming. We are in the initial interest stage right now and have not started assigning structured duties. If you or your

Mid South Section

company is interested in donating volunteers or helping sponsor this event, please contact me at kinslow@qualityind.com or Dr. Dale Wilson at dwilson@tntech.edu .

Merry Christmas and Happy New Year to all of you,

Carlton E. Kinslow
SAE Mid South Section 2006-2007 Chair

Attachment 1

NOTE: Your RSVP to the January 18, 2007 Mid South SAE tour of the Bridgestone/Firestone facility in Morrison, Tennessee denotes your agreement to abide and be bound by these guidelines while in the facility.

Bridgestone / Firestone Warren Plant Requirements

WELCOME

We hope your visit to our Bridgestone/Firestone facility is a rewarding and enjoyable experience. The safety of everyone inside the plant is our top priority. The safety, health, and environmental guidelines found below are intended to insure your safety during your time with us. Please follow all guidelines outlined in this procedure.

The factory areas of the plant include all operations areas, maintenance shops, powerhouse, tank farms, auxiliary buildings, machine shops, electrical rooms, material storage areas, aisle ways, and the roof. While in the factory areas during a walking tour, the following rules shall apply:

DRESS CODE

1. Clear safety glasses meeting the requirements of ANSI Z-87.1 shall be worn in all factory areas. Sunglasses or tinted safety glasses are not acceptable eyewear inside the plant.

❖ Authorized visitors will be provided safety glasses during the tour if needed.

Visitors who are not in compliance with the following guidelines may be escorted through the plant by means of a tour cart. The visitor may not leave the tour cart in these conditions.

2. Safety shoes meeting the requirements of ANSI Z41.1 shall be worn in all factory areas. Sandals, open toe shoes, and high heels are not allowed.

❖ Authorized visitors will be provided safety shoe slip-ons or toe caps if needed.

3. Long pants shall be worn in all factory areas. Dresses, skirts, and loose baggy pants are not approved clothing for the factory areas.

4. Shirrtails must be tucked into pants, long sleeves must be buttoned at the cuff or rolled snugly to or near the elbow, and neckties must be removed or tucked into shirts before entering factory areas.

5. Coats must fit snugly to the body, with a squared bottom hem. Sleeves should not be loose, dangling, or extend beyond the wrist. Cuffs must be secured at all times.

SAE [®] **Mid South Section**

6. Long hair (hair that touches an individual's shoulders or any tail longer than 5 inches when measured from the scalp) must be secured in the factory areas. This can be accomplished by using a hair net, or tying hair up into a bun or tail.
7. Rings of any type are strongly discouraged in the factory areas. Rings of the simple, wedding band style may be worn only if the ring has been securely taped to protect the ring finger from being caught in machinery.
8. Only non-metallic watches with non-metallic watchbands are permitted in the factory areas.
9. Bracelets, hanging necklaces, dangling or loop earrings, and any other dangling jewelry are not permitted in the factory area.

GENERAL SAFETY AND ENVIRONMENTAL RULES FOR FACTORY AREAS:

10. Pedestrians will walk in the designated aisles outlined in green. In the absence of green aisles, pedestrian will walk, facing traffic, in the yellow trucking aisles.
11. Hearing protection shall be worn by all persons in posted areas, regardless of the time spent in the area.
12. Consumption of food in factory areas is prohibited. Beverages must be in approved sealed containers. Open cups, cans, and similar containers are prohibited.
13. All vehicles, whether inside or outside the plant, will be operated in a safe manner in keeping with posted traffic signs. Regardless of their possible lack of safety awareness, pedestrians will always be given the right of-way.
14. Horseplay is improper anywhere on plant property and will not be tolerated.
15. Incidents involving visitors will be reported to the HSS department by the BFS-Warren host.
16. If unsafe acts or conditions are witnessed by visitors, please report immediately to the nearest plant employee.
17. All tobacco products must be used in designated areas of the plant or in personal vehicles.
18. All chemicals brought on-site must have prior approval by the Environmental Engineer.
19. All chemical spills shall be reported immediately to the Environmental Engineer.
20. No substance or chemical shall be poured onto the ground or into a drain under any circumstances.