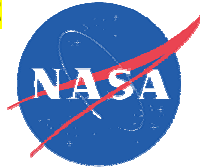




Columbia Accident Investigation Report & Space Shuttle Return to Flight

Tuesday, May 9th, 2006



Speaker:

Bryan Palaszewski

NASA John H. Glenn Research Center at Lewis Field
Combustion, Turbomachinery and Propulsion Systems Branch

5:00 – 5:30 PM Networking Session

5:30 – 6:30 PM Buffet Dinner

6:30 – 8:00 PM Program (Stay around for a tour of the facilities)

The Columbia Accident Investigation Board's (CAIB) independent investigation into the February 1, 2003 loss of the Space Shuttle Columbia and its seven-member crew lasted nearly seven months. A staff of more than 120, along with some 400 NASA engineers, supported the Board's 13 members. Investigators examined more than 30,000 documents, conducted more than 200 formal interviews, heard testimony from dozens of expert witnesses, and reviewed more than 3,000 inputs from the general public. In addition, more than 25,000 searchers combed vast stretches of the Western United States to retrieve the spacecraft debris.

This presentation will discuss the nature of the accident and the corrective actions taken by NASA, based on the CAIB recommendations and other committees.

- Location:** Challenger Learning Center at Prairie Aviation Museum:
2901E. Empire Road, Bloomington
- Reservations:** RSVP by Friday, May 5th, at 800-512-1919
or sae_reservations@yahoo.com.
- Admission Fee:** SAE Members: \$15.00, Non-members: \$20.00
Public (including children who can listen attentively) are welcome.

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Editor's Note

This is our final month of the 2004-2006 Section Year. Just a few days ago, we held our SWE-SAE Leadership Development Seminar in Peoria. Soon, our new Section Chair, Matt Rampenthal, will "take the reins" from Ganesh Iyer. Matt is the latest in a long line of outstanding leadership that has developed an empowered board, continuing from chairs Mike Redmann, (myself), Marty Lehman, and Ganesh Iyer. Matt and Kim Ingles have both shown initiative and drive and will be our 2006 and 2007 Section Chairs, respectively. This strong leadership helps us serve our section members better.



This month, we have a speaker from NASA to talk about the Columbia Accident Investigation. With our limited budget, it is important to have a highly functional and empowered board so we can bring you a large range of topics, and programs of this magnitude. Also, our empowered board allows our team members to bring you the program they would most like to see. This month, Guillermo Herrera has planned a meeting bringing our speaker to the Challenger Learning Center in Bloomington. This unusual venue and Guillermo's vision will provide you a more enriched experience and deliver the SAE mission of lifelong education.

This vision and leadership started with Mike Redmann and continues today with our current board. The programs we bring are truly the vision of the entire team, rather than a single individual. That is the importance of empowerment. This is why the Central Illinois Section has achieved sustained excellence and can continue to serve our members.

Best Regards,

Andrea Brazzale
Communications Manager and
Former CIS Section Chair



[ASM Materials Camp 2006 Recruiting Students](http://asm-afs-peoria.org)

asm-afs-peoria.org

The Peoria Chapter of ASM International is recruiting students for its 2006 Materials Camp to be held July 10-14 in Peoria. The camp's goal is to teach Juniors and Seniors the fundamentals of Materials Engineering. The 2005 Campers tested roller blade wheels, analyzed an engine brake failure, tested various fasteners, learned about steels and heat treatment, and recommended improvements for a motor grader linkage pin. Similar activities are planned for the 2006 camp, plus more! [Read on for more details about this free camp.](#)

MATERIALS ENGINEERING CAMPSM

Who:

- Students entering their Junior or Senior year of high school, in Fall 2006.
- Students involved in math, science and industrial technology classes.
- Highly motivated, inquisitive learners, with math and science aptitude.

What:

- Weeklong, summer camp utilizing hands-on learning experience, involving math, physics and chemistry.
- A very unique team-based, intensive problem solving, science experience, under the direction of a distinguished faculty "Materials Mentor".
- Combination of mini-demonstrations, field trips, and extensive involvement in laboratory facilities, to actively explore materials science & engineering principles.

Where & When:

- July 10-14, 2006
- 8:30am - 4:30pm
- Bradley University, Various Caterpillar Facilities, Plant Tours of Local Industries

Cost:

- Students receive FREE tuition, knowledge, meals and entertainment.

How to apply:

- Applications are available on-line, and are due by **May 1, 2006.**
<http://www.asm-afs-peoria.org>
- Required information includes school transcript and two letters of recommendation.

Who decides?

- This is a competitive application process. Students must have basic knowledge of algebra, chemistry, and physics and describe why they want to learn more about engineering and materials science as a possible college major and career.
- Prior participation in science fairs and engineering programs is helpful, but not required.
- Experienced, practicing engineers review each application to select the "best and brightest", highly motivated students, who have an interest in engineering.

Questions?

For more information on Materials Camps around the US:

http://www.asminternational.org/Content/NavigationMenu/ASMFoundation/Materials_Camp/Materials_Camp.htm

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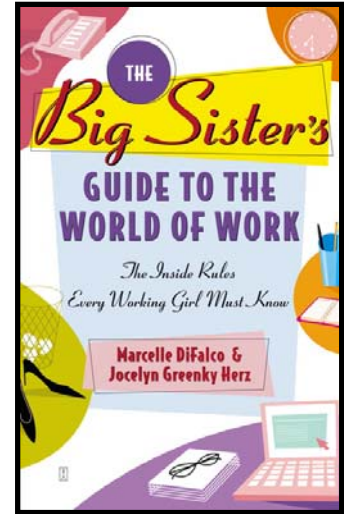
SWE Book Club: The Big Sister's Guide to The World of Work

Join The **Society of Women Engineers** For Their May Book Club Discussion

Date: Thursday, May 18, 2006
Time: 5:30 pm
Where: Panera Bread at Westlake Plaza

The Big Sister's Guide to The World of Work
by Marcelle DiFalco and Jocelyn Greenky Herz

The Inside Rules Every Working Girl Must Know: Finally, the answer for every working woman who thought she didn't need and would never read a book about work. Think of this book as 320-page hip, savvy mentor/best friend with an untempered, straight-shooting style and an arsenal of uncommon advice for businesswomen in their twenties and thirties.



You can get a copy of the book from SWE by contacting:
delvecchio_stacey_m@cat.com

SAE-CIS at the Central Illinois Auto Show

SAE-CIS Features Bradley SAE Formula & Mini-Baja
Contributed by Bill Franey



Central Illinois Auto Show

On March 31st – April 2nd SAE-CIS and Bradley University SAE hosted an exhibition at the Central Illinois Auto Show. The exhibition featured SAE-CIS Programs, A World in Motion (AWIM), Child Car Seat Safety, and Bradley University SAE Formula and Mini-Baja.

The exhibit featured the Bradley SAE Formula and Mini-Baja cars. Sixteen Bradley University SAE student members participated in the exhibit, speaking with interested persons about the features of their cars and the SAE sponsored competitions. AWIM featured a Rocket Car Experience for children. Approximately 100 children participated by designing and building and/or racing a rocket car. Additionally, SAE-CIS highlighted our involvement and support of the Peoria Area Safe Kids Coalition by providing car seat safety information and featuring the Buckle Buddy Program.

The Auto Show was a great opportunity to highlight SAE. Thanks to the members that assisted and to Bradley University SAE for their support.



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