

**The Peoria Chapter of ASM International
February 7, 2005 at the
Mark Twain Hotel - Packard Plaza**

**The Peoria Chapter of ASM International
and American Foundry Society**

Present

NASA COLUMBIA SPACECRAFT INVESTIGATION

Dr. Richard Russell, NASA Orbiter Project Office –
Aging Aircraft Principal Engineer

YOUNG MEMBERS NIGHT

Social Hour - 4:30pm • Dinner - 5:30pm

Technical Talk - 6:00pm

Prepaid Reservations Required by January 31, 2005!! Reservations are \$15.00.

Call Kate Chen at (309) 675-7529 Chen_Kate@Cat.com.

Please make all checks payable to "Peoria Chapter of ASM".

About Our Speaker...



Richard Russell is a Native of Chicago, IL and earned his BS in Metallurgical Eng from the University of Illinois at Urbana-Champaign in 1984. In 1986 he received his Masters in Materials Science and Engineering from the University of Florida.

Rick began his work career in 1986 at the Naval Aviation Depot in Pensacola Florida, transferring to the NASA Kennedy Space Center in 1989. In 1996, Rick relocated to Nashville TN to work for the Aerostuctures Corporation for 4 years. He then moved to Ft Worth Texas to work for Bell Helicopter before returning to the Kennedy Space Center in 2001 to work with the United Space Alliance. Rick is currently the Aging Space Craft Principal Engineer with the JSC Orbiter Project Office.

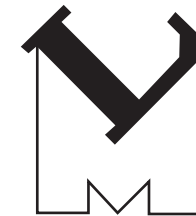
ASM EXECUTIVE
MEETING SCHEDULE

*The following ASM Executive Meetings
are planned at Packard Plaza:*

February 7, 2005 3:00pm – 4:30pm

May 2, 2005 2:30pm – 4:30pm

**Engineer's Day at
Lakeview Museum**



The Peoria Chapter of ASM has once again been asked to participate in the Engineer's Week event at Lakeview Museum on February 20, 2005, from 1:00 pm to 4:00 pm. Engineer's Day is an annual event geared for middle-school aged children to expose them to basic concepts in different engineering fields through interactive activities. Volunteers are needed to help generate ideas for displays and demonstrations, as well as to set up and participate on the day of the event. If interested, please contact Allison Arndt (309/578-2089 or arndt_allison_a@cat.com).

ASM INTERNATIONAL

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Materials Park, OH 44073

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PEORIA CHAPTER ASM INTERNATIONAL
2004-2005 OFFICERS

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EXECUTIVE COMMITTEE

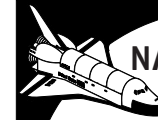
COMMITTEE CHAIRS

2004 - 2005
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Ron Streib, Sheryl Tipton,
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Education Scott Brown
Long Range Planning Mike Johnson
MEI Aaron Barklage / Andy Franks
Sustaining Members Mike Motyl
Social Steven Cross
Yearbook Nick Cook
Nominating Ric Woldow
Historian Wally Hines



**NASA Columbia
Spacecraft Investigation**

Following the tragic loss of the Space Shuttle Columbia, NASA formed a team of Materials and Processes (M&P) Engineers to support the Reconstruction Team assembled by the Orbiter Project Office. In the initial stages, the M&P team supported the cleaning, handling and identification of the Columbia debris as it arrived at the reconstruction hangar. In the early stages of the investigation, the M&P team began to analyze key debris items, developing failure analysis and sampling plans. Eventually, the M&P team performed laboratory analysis of key components. The results of these analyses, combined with field observations, provided a failure scenario, which supported the conclusions of the Reconstruction team, Orbiter Project Office and of the Columbia Accident Investigation Board.

Failure Analysis MEI Course

The MEI co-chairs are currently taking enrollments for the Failure Analysis course, which will begin in the spring. The cost per student is \$375.00. Please contact Andrew Franks (309-675-3155), Aaron Barklage (309-675-2162) to sign up.



The January 7, 2005 Technical Meeting was also Committee Chair's Night and the ASM and AFS committee chairmen who were (Back, from left to right): Ben Bankert, Eugene Pascual, Ric Woldow, George Kokos, Mike Johnson, and Andy Franks (Front, l-r): Mike Motyl, Jackie Earle, Kate Chen, Ron Morgan, and John Grabel.

◆ ◆ CHANGE IN ASM ADDRESS? CALL KATY MACGREGOR (309) 675-3155 ◆ ◆

◆ ◆ CHANGE IN AFS ADDRESS? CALL JOHN GRABEL (309) 633-8658 ◆ ◆