



The Macrogram

Hartford Chapter of the ASM International

Build on our Strengths - Leverage our Diversity - Network to Succeed

MONTHLY MEETING – TOPICS

January 11, 2005

Topic: Introduction to Inertial Guidance and Control Systems

Speaker: Steve Kaye

Manager of International Business Development
BAE Systems Cheshire
www.na.baesystems.com

Directions: Cugino's, 1076 Main Street, Newington, CT 06111, Ph: (860) 665-0881
Main Street is Route 176. **Cugino's** is south of Route 175 (Cedar Street). Use alleyway to parking area in rear.

Agenda:

Cocktails: 5:30-6:30 PM
Dinner: 6:30 7:30 PM
Program: 7:30- 8:30 PM

Program Charges:

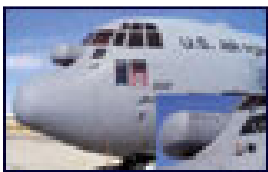
Regular Members - \$28.00
Retirees - \$15.00
Full Time Students - \$15.00

Technical Chairperson: Joe Zucco

Social Hour Sponsor: TBA

Reservations: Call Laura or Patti at Dynamic Metals (860) 583-3336 by noon January 7th. **Thanks!**

Abstract:



Mr. Kaye will be speaking on the science of inertial guidance measurement, technology and applications. The presentation will be in layman's terms, with more technical focus if there is interest.

An engineer is taught, early on, that under most circumstances it is inadvisable to use dissimilar materials in intimate contact. The reason of course, is that dissimilar metals make batteries, thereby generating voltages and current flows between the metals causing decomposition. When such a system is required various techniques must be employed to either eliminate or reduce the reaction rate to something tolerable.



BAE Systems microprocessor guides Rover landings on Mars BAE Systems built the radiation hardened RAD6000 computers that are guiding the 'Spirit' and 'Opportunity' Rovers that have successfully landed on Mars to study minerals in rocks. These computers also processed key navigational data during each spacecraft's six month journey.

The GYROSCOPE is an instrument that demands the use of many materials of differing compositions each chosen for something special and each dragging along a plethora of unwanted characteristics that must be dealt with.

Speaker's Bio:

Steve Kaye is a 1959 BEE graduate of CCNY. Having completed his US Navy obligations in 1955, he went to work at Sperry Gyroscope Company immediately after graduation. After leaving Sperry, he worked for: American Machine and Foundry Co.; Radiation Dynamics; Atlantic Research Corp; Celesco; Timex; Bendix; Allied; AlliedSignal; Condor Pacific; Honeywell; and BAE where he now holds the position of Manager, International Business Development. While working at Celesco, Mr. Kaye earned his Masters Degree in Management (MAOM) from The University of Southern California. Mr. Kaye has been designing or building or selling Gyroscopes in one form or another for more than 45 years.

ASM Southern Connecticut Chapter has the following meeting planned for January. This event takes place at Rapp's Paradise Inn in Ansonia, CT. Meetings start with a social hour at 5:30 PM, dinner at 6:30 PM and the speaker at 7:30 PM

Thursday, January 20, 2005 (Awards Night)

Materials of Construction & Advances in Boxing Equipment

Rick Kaletsky has been an independent consultant on safety in the workplace since 1992. Before that date he gained considerable relevant experience in this field by working 20 years for the US Dept. of Labor/OSHA. Rick is an avid boxing fan and will speak on the materials used in boxing. His talk will include an evolutionary look at materials used in boxing, including the gloves, ring materials, and other items, some samples of which he will bring for illustration. In addition to a book on OSHA inspections, published by the National Safety Council, Rick has written two books on boxing over the years, the latest of which is "**Ali and Me: Through the Ropes**", which is about Mohammed Ali and his boxing career

For further information, contact Bill Michels at 203-753-4194, X152 or at <jmichel@plattbros.com>

February 8, 2005

Trustee Visit and Past Chair Night

Topic: Roach Inspired Technology

Speaker: Dr. Frederick J. Lisy, FASM
2004-2007 ASM Trustee
President Orbital Research Inc.