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2005-2006**

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Committee

Chairpersons

Advisory

Krich Sawamiphakdi

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Chandra Jain

House/Attendance

OPEN

**College Relations &
Vocational Services**

OPEN

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Member Initiative Sys.

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**Member Interest /
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Nominating

Steve Brister

**Professional
Development**

OPEN

Program

OPEN

Unemployed Members

Marty Nuetzel

The American Society  of Mechanical Engineers
Canton Alliance Massillon Section News 

Editor: Kevin T. Reynolds

April 2006

PLEASE KEEP YOUR E-MAIL ADDRESS CURRENT

Newsletters are sent by e-mail in PDF format to all members with an e-mail address on file. Paper copies are no longer sent by US mail. For those members without an e-mail address on file, you can access the Newsletter On-Line on our CAM Website as noted above.

If you would still like a hardcopy mailed, please contact Kevin Reynolds to arrange a special mailing.

Please take a moment to verify your e-mail address and keep it current at the "Members Only" tab at <http://www.asme.org>. You will need your member ID for access.

ATTENTION Members

The 2006 Year is here and we are now all electronic. Newsletters are only available through E-mail and the Webpage. However, as noted above, We can still mail a copy per special request.

UPCOMING DINNER MEETING-Major Program 2005-2006 Year End

May 4, 2006, Topic **SR-71 Blackbird - An Engineering Marvel**

(details page 3)

DON'T MISS THIS ONE!!!

PLEASE JOIN US; YOUR PARTICIPATION IS GREATLY APPRECIATED!

CAM Section Board Meeting

Tuesday, May 9, 2006
6:00 pm, Timken Research
North Canton, OH

Chairman's Corner:

If you or your company has a job opportunity, please contact me to discuss a posting on our website and newsletter and link to the Akron Section Membership web site as well (<http://www.ecgf.uakron.edu/~asme/akron/employment.html>). This posting will reach over 700 local area engineers in the Canton, Alliance, Massillon and Akron areas.

Thank you,

Kevin Reynolds
Reynoldsk1@asme.org
330.829.9933 x224

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C.A.M. SECTION WEBSITE: <http://sections.asme.org/cam>

ATTENTION ALL CAM Members:

We're coming to the end of the 2005-2006 Program Year and what a year it has been. I just want to thank all of you that have participated and attended the Board Meetings, the Dinner Meetings and tours we've been able to sponsor or join in with some other local professional organizations in the area (Akron ASME, Canton ASM, CJEC, AIAA). The synergy has been wonderful. The joint meetings and getting to know others from other local organizations has been quite an experience.

As the CAM Section moves into a new program year for 2006-2007, we look forward to seeing more of our members attend the meetings and dinners as we strive to bring you interesting topics and knowledge about local area technologies and some abroad. For those of you that have your Ohio P.E. License, the coming year brings required PDH's. Here is a link to OhioPEPS site to get more details on requirements and tracking (<http://ohiopeps.org/cpd/index.html>). We will try to stay involved with looking into possible programs or seminars in the area to earn PDH's for those of you who may require them.

As some of you have noticed, you have not seen a slate of new officers yet to vote for the upcoming year. We find ourselves in a similar position this year as we did last year. It is difficult to find volunteer members to serve our CAM ASME board. I understand that time is at a premium these days with time competing for family, work and leisure. Serving is not as time consuming as you might think. The starting position, Director is a great way to get exposed to the process. Read our Bylaws for those of you who may be interested in any of the positions (<http://sections.asme.org/CAM/pdf/2002CAMblaws.pdf>).

As a reminder for those PE requiring PDH's, you can get credit for serving on a board of a professional engineering organization.

We are looking for 6 positions: 3 directors, a secretary, and two nominating committee members. Or if you would like to run as an officer, please let the nominating committee chair know or myself. If you have any questions, please call me. The past officers usually move up one position on the ballot, but are still voted in as required from the membership (CAM). You are required to attend board meetings which are usually held in the Canton, Alliance, Massillon area and last approximately 1 hour. We occasionally have dinner board meetings to provide incentive to maintain participation. With gas prices getting higher, we may initiate teleconference meetings next year. They can be held during the lunch period during the day or later in the afternoon.

If you haven't considered participating, considerate it today! The CAM section has a rich history and should to continue to be part of the local professional heritage.

Thanks again,

Kevin T. Reynolds.

ASME CAM Chairman 2005-2006

SR-71 Blackbird – An Engineering Marvel

A CAM ASME / Akron ASME / AIAA Meeting
presented by:

Richard H. Graham, Colonel, USAF (Ret)



Date: **Thursday, May 4, 2006**

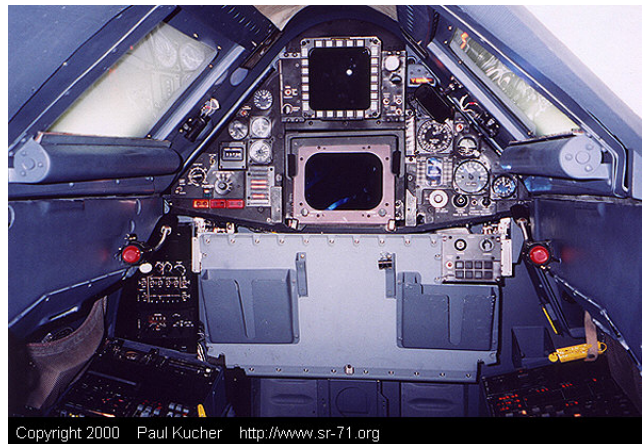
Time: **5:30 PM Social hour, 6:30 PM Dinner, 7:30 PM Program. Arrive early (any time in the afternoon) to tour the museum and hangar.**

Place: **Military Aircraft Preservation Society (MAPS), 2260 International Parkway, North Canton, Ohio (adjacent to Akron-Canton Airport).** Enter through the CAK International Business Park, off Massillon Road (south from the I-77 Massillon Road interchange). Visit <http://www.mapsairmuseum.org> to preview what you will be seeing.

Dinner: A buffet consisting of Baked Boneless Skinless Chicken Breast in Gravy, Meatloaf, Real Mashed Potatoes & Gravy, Vegetable Medley, Homemade Rolls, Iced Tea, Coffee, Lemonade, and Homemade Chocolate Chip Cookies. Meal cost will be \$10 for students, \$20 for everyone else, including tax and tip. Each person is to pay individually at the event.

Reservations: See Next Page.

Abstract: The world's fastest and highest-flying aircraft was conceived as early as 1958 by the renowned aircraft engineer, Kelly Johnson. The gigantic leap in technology he and his engineers had to overcome at the Lockheed Skunk Works was phenomenal. Built in total secrecy, the first Blackbird flew on April 26, 1962. The Blackbird's only purpose was to gather highly classified intelligence on hostile countries around the world. Flying at Mach 3+ speeds and cruising at over 85,000 feet, the SR-71 could survey over 100,000 square miles every hour, gathering in millions of bits of intelligence. When cruising at over 2,100 mph, with skin friction temperatures reaching 700 degrees Fahrenheit, the SR-71 performed at its very best! Colonel (Ret) Richard Graham flew the Blackbirds for over seven years on operational reconnaissance missions. He was selected to be the Squadron Commander of the SR-71 unit in 1980 and eventually became the Wing Commander at Beale AFB, which included both the SR-71 and U-2 aircraft. With over 15 years of experience with the SR-71 program, he is uniquely qualified to talk on the capabilities of the SR-71. He has kindly offered to sign copies of his books (for sale in the museum gift shop) and SR-71 models attendees might want to bring to this event.



Pictures borrowed from <http://www.sr-71.org/>.

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C.A.M. SECTION WEBSITE: <http://sections.asme.org/cam>

SR-71 Blackbird – An Engineering Marvel

Joint Meeting Sponsored by CAM ASME / Akron ASME / AIAA Organizations

Date: Thursday, May 4, 2006

Time: 5:30 PM Social hour, 6:30 PM Dinner, 7:30 PM Program. Arrive early (any time in the afternoon) to tour the museum and hangar. MAPS hours are 9 am – 4 pm (but will be open after 4 pm for this dinner program).

Place: Military Aircraft Preservation Society (MAPS), 2260 International Parkway, North Canton, Ohio (adjacent to Akron-Canton Airport). Enter through the CAK International Business Park, off Massillon Road (south from the I-77 Massillon Road interchange). Visit <http://www.mapsairmuseum.org> to preview what you will be seeing.

Reservations: Please make reservations by contacting Kevin Reynolds (see info. Next page) or fill out the form below and send or fax to Kevin Reynolds. Please make reservations by 5:00 pm. on April 30, 2006.

Dinner selection: A buffet consisting of Baked Boneless Skinless Chicken Breast in Gravy, Meatloaf, Real Mashed Potatoes & Gravy, Vegetable Medley, Homemade Rolls, Iced Tea, Coffee, Lemonade, and Homemade Chocolate Chip Cookies.

Dinner prices: \$10 for students, \$20 for everyone else, including tax and tip. Each person is to pay individually at the event.

Please provide your name and company affiliation when making reservation.

RESERVATIONS -- complete the following information and submit as indicated below BEFORE APRIL 30, 2006.

Member Name: _____

Society/Section: _____

Company (if applicable): _____

Contact information (phone, fax, email) for rapid notification of plans update or confirmation.

Guests Names (spouse, friend, coworker), if applicable:

1 _____

2 _____

3 _____

You can pay by check or cash at the meeting.

Return reservations by email, mail or fax before APRIL 30, 2006 to:

Kevin T. Reynolds
MAY 2006 CAM SR-71 Dinner Program
1207 W. State St. Suite B
Alliance, OH 44601

FAX: 330-829-9934, email reynoldsk1@asme.org, please put "RE: MAY 2006 CAM Dinner Program" in the subject title for e-mails. Contact/Phone: Kevin Reynolds/330.829.9933 x224 (for questions or additional information).

ASME & THE NATIONAL INSULATION ASSOCIATION FORM A STRATEGIC PARTNERSHIP

ASME and the National Insulation Association (NIA) in Sept. 2005 entered into a partnership to collaborate on educational programs and initiatives. NIA is a fifty-year-old trade organization representing the mechanical and specialty insulation industry.

NIA has worked with ASME's Continuing Educational Institute in developing a training course; PD568 – "Mechanical Insulation and Design Technology" and recently established a Communities of Practice for Mechanical Insulation. In addition, NIA has developed a series of presentations that are available to the Section network. The two most notable presentations are entitled: "The Power of Insulation" and "Insulation, The Lost or Forgotten Technology."

Mechanical Insulation is a time tested and proven technology for energy conservation, emission reduction, personnel safety, process and productivity improvements and host of cost reduction and work place improvements. Yet, given those benefits this technology, simply known as insulation is often overlooked, undervalued and not used to capacity.

The NIA presentations are eligible for Professional Development Hours (PDH) and are being provided to the ASME Section Network on a no charge basis. All attendees receive a software program that can be utilized to determine energy loss and with existing and new insulation systems and a variety of mechanical insulation resource information.

Take advantage of this offer from NIA to learn more about the value of this technology in new construction and maintenance applications in the industrial and commercial markets. Ron King, a past president of NIA and currently a consultant for NIA, is coordinating the ASME Section presentations. You can contact him at RonKingRLK@aol.com. To learn about

2006 FIRST Championship

The FIRST (For Inspiration and Recognition of Science and Technology) Robotics Competition is an exciting, multinational competition that immerses middle and high school students in the world of engineering. Working with engineers who serve as mentors and advisors, students get a hands-on, inside look at the engineering profession.

The fun and excitement of FIRST Championship competition will be held **April 26-29** at the Atlanta Georgia Dome and is free and open to the public. To foster the technological literacy of society, ASME and FIRST (For Inspiration and Recognition of Science and Technology) are working together to achieve this goal. For more information visit <http://www.asme.org/Events/Contests/Partnership.cfm>

ASME CONGRESS '06 SET FOR CHICAGO

Mark your calendar to attend the 2006 ASME International Congress and Exposition to be held Nov. 5-10 at the Hilton Chicago.

The Congress will bring together engineers, scientists and technical professionals from around the world to discuss and demonstrate innovation in advanced technologies. The program will feature special tracks organized around leading industries and technical disciplines, including energy, biomedical systems, transportation, and homeland security. Other highlights at the Congress include the Young Engineers Forum, Student Design Contest finals, and the Honors Assembly ceremony recognizing service and achievement in mechanical engineering.

Hundreds of sessions, forums, exhibits, tours and social events will keep you current on the latest trends in technology and industry, and provide the opportunity to network with engineers in different industries and companies.

Call for Submissions: Mechanical Advantage

Do you have something to share with ASME's Student Members? Submit your article or ideas to *Mechanical Advantage*, ASME's online student newsletter. *Mechanical Advantage* offers engineering students useful articles, program information and upcoming events and deadlines. Please send all submissions to mechadv@asme.org.

Student submissions are highly encouraged!

Energy Nanotechnology International Conference Set for June

Featuring presentations on the role of nanotechnology in energy conversion, storage and utilization, the Energy Nanotechnology Int'l Conference will be held **June 26-28, 2006**, at the Massachusetts Institute of Technology in Cambridge.

Engineers and scientists on the leading edge of research in nanotechnology will interface with professionals engaged in the national debate over alternative energy technologies to reduce America's dependence on oil and natural gas. The ASME Nanotechnology Institute is a sponsor of this event. For more information visit <http://www.asmeconferences.org/energynano06/>

Frontiers in Biomedical Devices 2006

The ASME Nanotechnology Institute presents Frontiers in Biomedical Devices 2006, to be held **June 8-9, 2006** at the McDonnell Douglas Engineering Auditorium at the University California at Irvine campus.

Leading authorities in the commercial and academic arenas will focus their expertise in 4 intense meeting tracks including: Physiological & pathological environment for medical devices, Monitoring & imaging techniques, Device development, Regulatory & clinical issues. The conference also includes an evening reception, exposition and poster session on June 8th at the University Club. General Audience and Student Registration fees include access to all sessions, one copy of the conference proceedings, daily coffee/tea breaks, lunches, and conference reception/poster session/exhibit. For more details visit <http://www.asmeconferences.org/NanoBio06/> or contact Brandy Smith at 917-596-0306 or email: smithb@asme.org

ASME SPRING STUDENT CONFERENCES (formerly known as the RSC'S)

ASME Student Conferences will be held between March and April 2006 throughout the ASME districts. The student conferences attract over 2,500 participants annually and are hosted by ME/MET Departments at selected universities or by ASME Sections. They take place over 1 to 3 days at the host campus or a nearby location. In addition to professional development sessions or workshops, grad school seminars or career fairs, these conferences also include the following ASME competitions: The Student Design Competition, The Old Guard Prize - Oral Presentation Competition, The Old Guard Technical Poster Competition and The Old Guard Technical Webpage Competition. Visit the student conference website for dates and locations.

http://www.asme.org/Communities/Students/2006_Spring_Student.cfm

Katrina Loans Available for Eligible Students

ASME has established a fast track student loan for mechanical engineering students who have been adversely affected by Hurricanes Katrina & Rita. Applications will be accepted on a continuous basis thru June 30, 2006.

For more information contact Maisha Phillips at (212) 591-7371 or PhillipsM@asme.org. Additional information can also be obtained by visiting the Web site at <http://www.asme.org/education/enged/aid/loan.htm>

ASME Deploys Vivísimo Velocity Search Engine

ASME has launched a new search engine on ASME.org with Vivísimo Velocity as its enterprise search platform. With Velocity, ASME is leveraging existing assets to search and combine the company's internal content management system, products catalog, and other Web content while presenting all results organized into easy-to-navigate folders. Now, thousands of ASME.org users will have access to multiple content sources searchable from a single, user-friendly interface.

To try out ASME's new search engine, visit www.asme.org

Student Activity Calendar

April

April 27 [2006 FIRST Championship](#)

May

May 8 [Turbo Expo 2006](#)

June

June 17-22 [ASME Summer Annual Meeting](#)