



NOVEMBER 2012

AIAA NEWSLETTER

AIAA LUNCH LECTURE SERIES PROGRAM

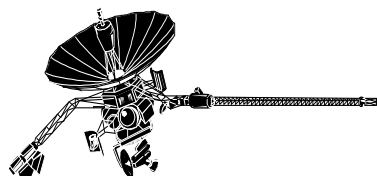
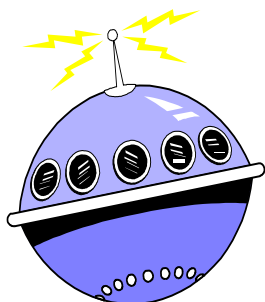
The third Lunch Lecture Series Program for 2012-2013 will be held at noon on Wednesday, November 28, 2012 in the G-29 ATK-Elkton Executive Conference Room. The topic will be "Divert Propulsion Activities At Elkton Since The 1960's". The speaker will be Dave McGrath of ATK. The meeting flyer is enclosed later in this newsletter.

For more information please contact any of the officers below:

Eric Spero	410-278-8743
Tim Dominick	410 392-1069
Bernadette Goncz	410-682-1945
Erika Conly	410-996-3730

DELAWARE SECTION WEB SITE

The AIAA Delaware Section web site has been revamped. You are invited to visit the DE Section web site at: <https://info.aiaa.org/Regions/NE/Del/default.aspx> or navigate there via the AIAA National web site at: www.aiaa.org. We invite you to visit your section web site and provide any comments or suggestions.



THE DELAWARE FLIER

PUBLISHED BY AND FOR THE MEMBERS OF THE AIAA DELAWARE SECTION

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For your reference, the officers and council members for the 2012-2013 term are listed below:

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302-368-5978

MDROsenbrg@aol.com

RAC Representatives

Dave Rosenberg and Eric Spero

THE DELAWARE SECTION

The Delaware Section is part of the American Institute of Aeronautics and Astronautics, the principal society and voice serving the Aerospace profession. The AIAA primary purpose is to advance the state of the art, sciences and technology of aeronautics and astronautics and to promote the professionalism of those engaged in these pursuits. The institute serves as the vehicle for focusing the energies and interests of its members in their own technical and professional development and service to society.

AIAA WEB SITE

The AIAA Web site (www.aiaa.org) continues to receive over 45,000 visits per month and serves as a point-of-purchase for memberships, meeting registrations and subscriptions. It also provides access to bibliographic data of AIAA meeting papers for the past five years as well as connections to web sites of individual AIAA section chapters.

MEMBERSHIP

We continue to be encouraged by the number of new or prospective members that have recently shown an interest in the Delaware AIAA. If you know of any prospective members, please have them call Dave Rosenberg, Membership Chair, to obtain an application. If you wish to be upgraded to Senior Member, Associate Fellow or Fellow, also contact him for details and an upgrade application form.

ARE YOU HAVING A MEMBERSHIP OR SUBSCRIPTION PROBLEM?

If you are having a membership or subscription problem you can contact AIAA customer service at 1/800-639-2422 or via fax at 703/264-7657.

If the AIAA staff is not responsive, let your AIAA Ombudsman, John Walsh, cut through the red tape for you.

John can be reached at 703-893-3610 or by writing to him at: 8800 Preswold Place, McLean, VA 22102.

AMERICAN INSTITUTE OF AERONAUTICS & ASTRONAUTICS
AIAA DELAWARE SECTION PRESENTS
CAREER ENHANCEMENT/EDUCATION
LUNCH LECTURE SERIES PROGRAM

**DIVERT PROPULSION EFFORTS AT
ELKTON SINCE THE 1980'S**
BY DAVE McGRATH

As we design the next generation divert and attitude control systems for MDA, it is worthwhile to take a look back at various internally and externally funded efforts as well as proposal designs that have been developed going back to the mid 1980's.

The presentation highlights the programs, the requirement challenges, and the test results across the last 30 years of divert propulsion here at Elkton.

Dave McGrath, an AIAA Fellow, is a 28 year veteran of ATK, spending most of his career at Elkton in Analysis, Technology Development and Management, Preliminary Design, and Project Engineering. He also spent two and a half years in Utah at ATK Launch Systems, where he served as the Ares I-X First Stage Chief Engineer, prior to returning to Elkton in November 2007. Dave is a former Delaware Section officer and national AIAA Director of Propulsion and Energy.

For AIAA Members, Guests and Prospective Members

WEDNESDAY, NOVEMBER 28, 2012
12 NOON - 1 PM

ATK/Elkton G-29 Executive Conference Center

\$1.00 FOOD and DRINKS WILL BE SERVED UNTIL WE RUN OUT!

For more information contact:

Eric Spero, Chairman	410-278-8743
Tim Dominick, Vice Chair	410-392-1069
Bernadette Goncz, Secretary	757-814-6966
Erika Conly, Treasurer	410-996-3730

AIAA LUNCH LECTURE SERIES PROGRAM

The second Lunch Lecture Series Program for 2012-2013 was held at noon on Wednesday, October 24, 2012 in the G-29 ATK-Elkton Executive Conference Room. The topic was "The Thermal Ice Penetrator" presented by Dan Dunlap of ATK. There were 39 attendees.

AIAA INFORMATION

As of October 1, 2012, there were 26,264 professional AIAA members of whom 4,604 were international members. There are also 4,115 Educator Associate Members and 963 student members. There are 97 corporate members (including ATK) of which 12 are International companies. There are 66 technical committees. Your local Delaware AIAA Section has 72 professional members not including 11 Educator Associates and 1 Student Member. The Delaware Section membership distribution includes: Member 17, Associate Fellow 10, Fellow 2, Senior Member 42, Associate Member 1.

~~We congratulate Tim Dominick on his selection to the grade of Associate Fellow~~

AIAA Membership

Following a careful review of AIAA financials, current membership models, and other relevant data, the AIAA Board of Directors made the difficult decision to approve a three-year plan to modestly increase dues, starting 1 November 2012.

The key factors that influenced the Board's decisions were:

- The annual assessment of our cost of service continues to show a gap between the price of membership and the cost of the services we provide.
- Although the implementation of more efficient operating systems and careful management of our expenses has helped reduce overall business expenses, the cost of doing business continues to increase.
- The U.S. Consumer Price Index (CPI) showed a 4.85% increase during the two year period of 2010-2011.
- A comparative market survey of other professional engineering societies supported the conclusion that the value of our benefits and services is greater than our current pricing structure can support.

The modest dues increases over this three-year period will help reduce the gap between the cost of service and the price of dues, and will allow us to maintain the level of service you've come to expect while keeping us at the forefront of innovation. The following table illustrates the planned increases that will take place starting 1 November 2012.

Category of Membership	Current Dues	2012–2013	2013–2014	2014–2015
Associate Member, Member, and Senior Member	\$105	\$110	\$115	\$120
Retired/ Return to Full-Time Study / Spouse / Unemployed (50% of member dues)	\$52.50	\$55.00	\$57.50	\$60.00
Associate Fellow	\$105	\$120	\$125	\$131
Retired / Return to Full-Time Study / Spouse / Unemployed (50% of Associate Fellow dues)	\$52.50	\$60	\$62.50	\$65.50
Fellow	\$120	\$140	\$146	\$153
Retired / Return to Full-Time Study / Spouse / Unemployed (at 50% of Fellow dues)	\$60.00	\$70.00	\$73.00	\$76.50
Full Time Student	\$20.00	\$25.00	\$25.00	\$25.00
Student to Professional Transition*				
1 st yr	\$0	\$27.50	\$28.75	\$30
2 nd yr	\$52.50	\$55.00	\$57.50	\$60
3 rd yr	\$105	\$82.50	\$86.25	\$90
4th yr full member rate				

The AIAA is continuing its popular Membership Renewal program. Current members can obtain \$5 in AIAA store credits for each new member recruited. Details can be found at: <http://www.aiaa.org/content.cfm?pageid=332> by clicking on the right side under "Come Tell Your Friends about AIAA". So share the wealth. You know the valuable resources that AIAA offers. Tell a friend or colleague, today, about AIAA. Not only will you help AIAA grow, you will receive a \$5 bonus.

We are also offering a Special \$10 Discount for members that join at any of our section meetings. The new member just fills out the membership application form but crosses out the full amount and replaces it with \$10 less with the notation, "Joined at Delaware Section meeting on (enter date)" and has it certified by (Section Officer's name and position). The application must be then submitted to AIAA National.

If you know a Young Aerospace Professional in the first five years of professional practice, AIAA will cut their first year's dues in half! After the first year, regular membership rate applies. They cannot have been a member or student member previously. To apply, they will need to call customer service at 800-639-2422 and talk to them directly – it can't be done online.

AIAA also offers Free Educator Associate Memberships for educators in grades Kindergarten through 12 that are interested in the development and application of science, mathematics, and technology for their educational curriculum. To recommend a friend or colleague as an Educator Associate, contact Dave Rosenberg for an application.

Membership Upgrades - To request membership upgrade information or nomination forms, contact Dave Rosenberg, go to AIAA customer service at 800/639-AIAA or 703/264-7500 or visit the AIAA Web site at: <http://www.aiaa.org> . See the following link for more information: <http://www.aiaa.org/content.cfm?pageid=183>

Student Upgrades Any student who is a member of AIAA in good standing at the time of graduation will automatically receive one free year of professional membership and the second year at half price

JOHN CARROLL HIGH SCHOOL - STEM AND BEYOND NIGHT

The AIAA - Delaware Section participated in the STEM and Beyond Night at the John Carroll School in Bel Air, MD on Tuesday, October 10th, 2012. The event, similar to the STEM and Beyond Nights hosted earlier this year, was geared towards 4th-6th grade students whom attend private school or are homeschooled. The goal of the event was to generate enthusiasm and awareness for the wide variety of opportunities and experiences that STEM (Science, Technology, Engineering and Mathematics) can provide. AIAA-Delaware hosted an expo booth, which provided information about the STEM careers available in the area as well as resources for parents with a child interested in STEM. The booth also served as a site where the students could learn about how solid rocket motor propellant is made. AIAA-DE also sponsored a film canister rocket activity. After an explanation of what AIAA is and how rockets work, the participants selected a film canister, filled it with their desired amount of water, dropped in an effervescent tablet (or two or three...), capped it and let it fly!



DELAWARE SECTION HOSTS REGION I PUBLIC POLICY COLLOQUIUM AT ATK

On Saturday, October 20th, the Delaware section hosted AIAA members throughout Region I for a colloquium on Public Policy. Six out of the thirteen sections within Region I had members or section officers attending. The colloquium was being held to reinforce the importance of public policy participation by the sections and their members and to share the many ways within AIAA that a member can participate in public policy. Invited guest speaker, Carol Cash, AIAA VP for Public Policy, opened the colloquium with an overview of why public policy is important to our industry, especially in a Presidential election year and with sequestration on the horizon. Then DE Public Policy Chair and Region I Deputy Director for Public Policy, Tim Dominick discussed details on the AIAA Public Policy Committee, how the development of key issues for CVD occurs, and various public policy awards that are open to the Sections. Duane Hyland, AIAA Staff, also provided a summary to the attendees of AIAA's grass roots activities, CVD and August is for Aerospace. The event then opened the floor to section workshop where each section was afforded the opportunity to brief the region on their previous public policy activities, challenges in participating in AIAA public policy, and thoughts on what they'd like to do in the future. After lunch, Mr. Dominick outlined the region's plans for CVD, and shared his goals for region wide participation. Then to finish up the colloquium, John Rose, Region VI Deputy Director for Public Policy discussed ways to make public policy more than just CVD and A4A by sharing some of the activities that have recently been successful in California. Overall, it was a very successful event that many of the sections were able to glean new information about AIAA public policy, and hopefully next year, even more will participate to continue to grow public policy in the region.