



FEBRUARY 2012

AIAA NEWSLETTER

AIAA LUNCH LECTURE SERIES PROGRAM

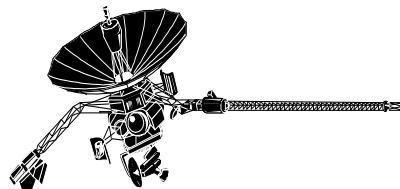
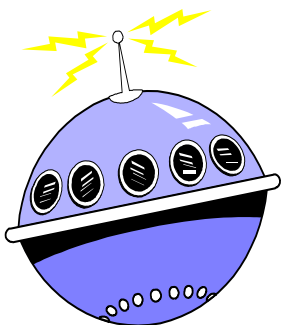
The fifth Lunch Lecture Series Program for 2011-2012 will be held at noon on Friday, February 24, 2012 in the G-29 ATK-Elkton Executive Conference Room. The topic will be "Experiences In Afghanistan". The speaker will be Col. Ruth Irwin. The meeting flyer is enclosed later in this newsletter.

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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312 Lark Drive, Newark, DE 19713-1216. Phone
302-368-5978, MDRosenbrg@aol.com

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For your reference, the officers and council members for the 2011-2012 term are listed below:

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| Chairperson Eric Spero, ARL, 410-278-8743 Eric.Spero@gmail.com Vice-Chair Tim Dominick, ATK, 410-392-1069 Timothy.Dominick@ATK.com Treasurer Erika Conly, ATK, 410-996-3730 Erika.Conly@ATK.com Secretary Bernadette Goncz, GE Aviation, 410-682-1945 Bernadette.Goncz@ge.com Education Taylor Donaldson, ATK, 410-392-1022 William.Donaldson@ATK.com Honors & Awards Eric Rohrbaugh, ATK, 410-441-084 Eric.Rohrbaugh@ATK.com Career Enhancement Tim McCardell, ATK, 410-392-1560 Timothy.McCardell@ATK.com Programs Entire Council, 410-278-8743 Eric.Spero@gmail.com Young Professional, Jeremiah Shiflet, ATK 410-392-1421 Jeremiah.Shiflet@ATK.com Technical Robert Bonifant, ATK, 410-996-3744 Robert.Bonifant@ATK.com Precollege Breanne Wooten, ATK, 410-392-1661 Breanne.Wooten@ATK.com Public Policy Tim Dominick, ATK, 410-392-1069 Timothy.Dominick@ATK.com Webmaster Dan Sutton, ATK - 410-392-1041 DanielJ.Sutton@ATK.com Membership and Communications Dave Rosenberg, ATK (Retired) 302-368-5978 MDRosenbrg@aol.com RAC Representatives mailto:MDRosenbrg@aol.com Dave Rosenberg and Eric Spero |
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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, McClean, VA 22102-2231.

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

EXPERIENCES IN AFGHANISTAN
BY COL. RUTH IRWIN

Join us as COL Ruth Irwin recounts her experiences in Afghanistan. Ruth was the ranking member of six Delaware National Guard soldiers who volunteered to fill gaps in a larger Mississippi National Guard unit. The 184th Expeditionary Sustainment Command was responsible for managing logistics for all US Forces and many coalition partners. The command was comprised of 20,000 military personnel and 20,000 contractors. While in Afghanistan, Ruth served as liaison officer for the 184th ESC at the same headquarters as General David Petraeus. The group deployed to Afghanistan in October, 2010 and returned home in August, 2011. She'll share pictures and stories about her military experience and exposure to Afghan culture.

Ruth Irwin is the former manager of Security at ATK Elkton Operations. An employee since 1985, Ruth left ATK for military duty in 2005.

For AIAA Members, Guests and Prospective Members

FRIDAY, FEBRUARY 24, 2012
12 NOON - 1 PM

ATK/Elkton G-29 Executive Conference Center

FREE 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

JANUARY 2012 LUNCH LECTURE

The fourth Lunch Lecture Series Program for 2011-2012 was held at noon on Wednesday, January 18, 2012 in the G-29 ATK-Elkton Executive Conference Room.. The topic was "Aerospace Investing". The speaker will be Harvey Maclary from Morgan Stanley Smith Barney. There were 22 attendees.

YOUNG PROFESSIONAL ROCKET COMPETITION

The 2012 AIAA Young Professional Rocket Competition is scheduled for March 31, 2012. This year's competition has two categories: Eggloft and Rover. In the Eggloft, teams must launch a hen's egg to an altitude of 2000 ft, return the rocket in a flyable condition, return the egg unbroken, and report a valid altimeter reading. After meeting these success criteria, the teams will be scored based on altitude closest to 2000 ft, overall time of flight, and rocket landing distance from a pre-selected landing spot. In the Rover, teams must launch a robotic lander and a hen's egg to an altitude of 2000 ft, return the rocket in a flyable condition, return the egg unbroken, and report a valid altimeter reading. The team will have a base station on the ground that must be reached by the rover and the unbroken egg. After meeting the success criteria, the teams will be scored based on altitude closest to 2000 ft, rocket landing distance from a pre-selected landing spot, rover landing distance from the base station, and rover distance from the base station at the end of the mission. Each team must submit a design safety review document by February 29, 2012. Please visit the AIAA DE Section web site for more information (Documents > 2012 YP Rocket Competition), or contact Andrea L'Afflitto at a.lafflitto@gatech.edu.

2012 AIAA CONGRESSIONAL VISITS DAY



<http://www.mmsend3.com/link.cfm?r=239603222&sid=17180821&m=1707168&u=AIAA&j=8607050&s=http://www.aiaa.org/content.cfm?pageid=230&lumeetingid=2628>AIAA's annual

Congressional Visits Day program will be held March 20 – 21, 2012, in Washington, D.C. Pre-meetings and issue briefings will take place on the 20th at the Ronald Reagan Building and International Trade Center. Visits with Congressional decision makers and the AIAA Congressional Visits Day Reception taking place on Capitol Hill the 21st.

We believe that this year, attendance at CVD is more important than ever. This will be one of our last chances to educate Congress on the value of aerospace prior to the 2012 elections! Only your participation, enthusiasm, and passion remind our lawmakers that Aerospace is a key component of an economically strong and secure nation. If you are interested in the future of your profession, the advancement of technology, the furthering of scientific research, and the strengthening of our nation's security, this event is for you!

Your representatives only hear your voice if you actively engage them. Since public policy and engaging representatives can be daunting, let AIAA's experienced public policy staff make it a bit easier for you. Attending CVD will give you all the tools you need to engage your representative on issues of vital importance to the Institute, yourself, and your industry.

If you're interested in participating as part of the Delaware Section team for CVD, please contact DE Section Vice-Chair Tim Dominick (410-392-1069 or timothy.dominick@atk.com)

SECTION BYLAWS UPDATE

The AIAA DE Section is updating its By-Laws. All Members will have an opportunity to review, comment on, and approve these By-Laws prior to the Section adopting them. The By-Laws have been approved by the Council and by AIAA Region I Leadership, and are currently being reviewed by the Region and Section Activities Committee (RSAC). Member review will be open from approximately February 1, 2012 to February 29, 2012.

AIAA INFORMATION

As of January 1, 2012, there were 26,562 professional AIAA members of whom 4,622 were international members. There are also 3,578 Educator Associate Members and 7,756 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 68 professional members not including 9 Educator Associates and 7 Student Members. The membership distribution includes: Member 17, Associate Fellow 9, Fellow 2, Senior Member 40.

AIAA Membership

The AIAA Board of Directors approved the following dues schedule which took effect on 1 May 2010:

| | |
|---|-------------------|
| Associate Member/Member | \$105.00 |
| Retired/Returned To Full Time Study/Spouse/Unemployed | 52.50 |
| Fellow | 120.00 |
| Retired Fellow | 60.00 |
| Affiliate Member | 75.00 |
| Recent Graduate: 1 st Year | free (unchanged) |
| 2 nd Year | 52.50 |
| Student | 20.00 (unchanged) |

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.

ENGINEER'S WEEK

EWEEK 2012

ATK-Elkton Schedule of Events

Monday, February 20 - Candy Guessing Contest Begins

Tuesday, February 21 - Paper Airplane Competition

Wednesday, February 22 - Balloon Rocket Competition

Thursday, February 23 - Introduce a Girl to Engineering Day

Friday, February 24 - Lunch and Learn



THE AIAA – DELAWARE SECTION IS NOW ON FACEBOOK!




“Like” us on Facebook and keep up-to-date with AIAA-DE!

AIAA MID-ATLANTIC SECTION MEETING – FEBRUARY 16, 2012


The AIAA Aberdeen Chapter is pleased to announce a talk and discussion with Professor Mark Costello, School of Aerospace Engineering, Georgia Institute of Technology, on “Smart Projectile Research Challenges” on February, 16th, 2012, 6:30-7:30 pm (light refreshments with be served at 6pm)

Aberdeen Public Library Meeting Room, 21 Franklin Street, Aberdeen, MD 21001
Free to all attendees, RSVP requested.
RSVP at: aberdeenaiaa.eventbrite.com
For additional information, please contact: aberdeenaiaa@gmail.com



The Aberdeen Chapter of the AIAA Mid-Atlantic Section presents its next guest speaker:

Professor Mark Costello



School of Aerospace Engineering
Georgia Institute of Technology
Atlanta, Georgia

Talk and discussion on:

“Smart Projectile Research Challenges”


February, 16th, 2012
6:30-7:30 pm (light refreshments at 6pm)

Aberdeen Public Library Meeting Room
21 Franklin St.
Aberdeen, MD 21001

Free to all attendees
Refreshments will be provided

RSVP requested for Members and Non-members
RSVP at: aberdeenaiaa.eventbrite.com

For additional information, please contact:
aberdeenaiaa@gmail.com



AIAA DE SECTION NEW COUNCIL MEMBERS

Please join us in welcoming two new Council Members. Jeremiah Shiflet and Taylor Donaldson are taking on the roles of Young Professional Chair and Education Chair, respectively.

Young Professional (YP). Jeremiah Shiflet started work at ATK-Elkton in September 2011 as a Quality & Mission Assurance Engineer and was immediately integrated into several programs. Prior to joining ATK, Jeremiah was interning at Dynamic Aviation in Virginia's Shenandoah Valley. He completed his B.S. in Aerospace Engineering at Virginia Tech in May 2011. This is Jeremiah's first responsibility within AIAA.



Education. Taylor Donaldson graduated from University of Notre Dame in 2009 in Aerospace Engineering. Afterwards, he moved to Boulder, CO to pursue his Master's Degree in Aerospace Engineering at the University of Colorado, which he completed in 2010. Prior to joining ATK-Elkton, Taylor held several positions within aerospace; he interned at NASA in Washington, DC on the Orion CEV program, worked at the University of Notre Dame as a research assistant for anechoic wind tunnel research, and worked on Sierra Nevada Corporation's DreamChaser space vehicle as a graduate project through the University of Colorado. Currently, Taylor is a Project Engineer where he performs data analysis, testing, and rocket motor design. This is Taylor's first responsibility within AIAA.