



Published by and for the members of the
AIAA Delaware Section

May 2018

Shaping the Future of Aerospace

Delaware Section

FLIER

Message from the Chair:

Delaware Section Members –

We are wrapping up our 2017-2018 AIAA year, with only the month of June remaining before our new officers begin their terms. I would like to congratulate Joseph Scroggins on his new role of Vice Chair. Incumbents Josh Steele, Ian Beringer, and myself will be staying as Treasurer, Secretary, and Chair, respectively. We are finalizing our awards package due by June 4th. May's Lunch and Learn, the final LL until September, covered AIAA's Public Policy including key issues, CVD, and other ways to be involved. The section is currently planning an August is for Aerospace event so keep your eyes open. AIAA Delaware will be attending a Blue Rocks game with a picnic package on July 15th, there is more information in this month's newsletter. Several nominations for various AIAA awards are due July 1st, more details at <https://www.aiaa.org/honorsandawards>. If you believe anyone from the AIAA Delaware Section should be nominated, please let me know.

As always, I'd like to remind our members that the council is here to serve the desires of the Delaware section. If there is any type of event or activity you would like to see, please don't hesitate to reach out to us via the section website at

<https://info.aiaa.org/Regions/NE/Del/default.aspx>

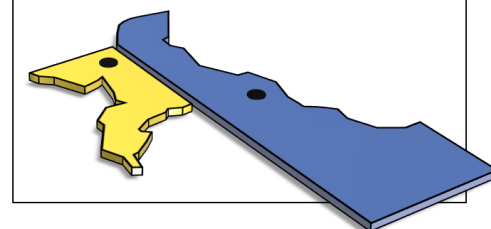
Clear skies!

David Fox

Chair, Delaware Section

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*AIAA DE Section has set a
launch date with the Blue Rocks!*

Sunday, July 15th

See Flyer on Page 3!

*Take me
OUT
to the
Ballgame*

Around AIAA, Industry, and Our Section

March's Lunch & Learn: We Left Earth, Part 2

The March Lunch & Learn Lecture was held on Thursday, March 29th in the Orbital ATK G-29 Executive Conference Center, where approximately 20 people gathered to watch “Part 2: Friends and Rivals” from the series “We Left Earth: The NASA Missions”. This six part series was produced by the Discovery Channel to celebrate NASA’s fiftieth anniversary, spanning the period from the first Mercury missions thru the construction of the International Space Station and the loss of the Space Shuttle Columbia. “Part 2: Friends and Rivals” focused on Project Gemini, featuring the first American spacewalk by Ed White on Gemini 4, and the first space rendezvous with Gemini 6 and 7. Also included were the first docking in space and the first mission abort in space, both by Gemini 8.



May Lunch & Learn: AIAA Public Policy

The May Lunch Lecture was held on Thursday, May 24th in the Orbital ATK G-29 Executive Conference Center with 18 attendees. Tim Dominick, Delaware Section Public Policy Chair and Region 1 Deputy Director of Public Policy, provided an overview of AIAA’s public activities. This Lunch Lecture served as a follow-up to the AIAA Congressional Visits Day (CVD) held in March, an annual event that provides AIAA members the opportunity to meet with their Congressional representatives and discuss issues critical to the future of aeronautics and astronautics. The topics discussed included: why public policy matters for aerospace, how AIAA CVD began and evolved, a review of the 2018 CVD event, what AIAA does to be effective, and ways for members to be involved.



Tim Dominick (L) & David Fox (R)
at Congressional Visits Day.

AMERICAN INSTITUTE OF AERONAUTICS AND ASTRONAUTICS

Outing To



What: Wilmington Blue Rocks baseball game

When: Sunday, July 15th, 2018
1:35pm

Where: 801 Shipyard Dr., Wilmington, DE 19801

Cost: AIAA Members: \$15

Non-Members: \$20

Children(3-12*): \$10

*Children 2 & Under Free

Cost Includes: Admission to the game, open seating in the picnic area, all you can eat food for 2 hours. Food includes: ribs, pulled chicken, burgers, hot dogs, and more.

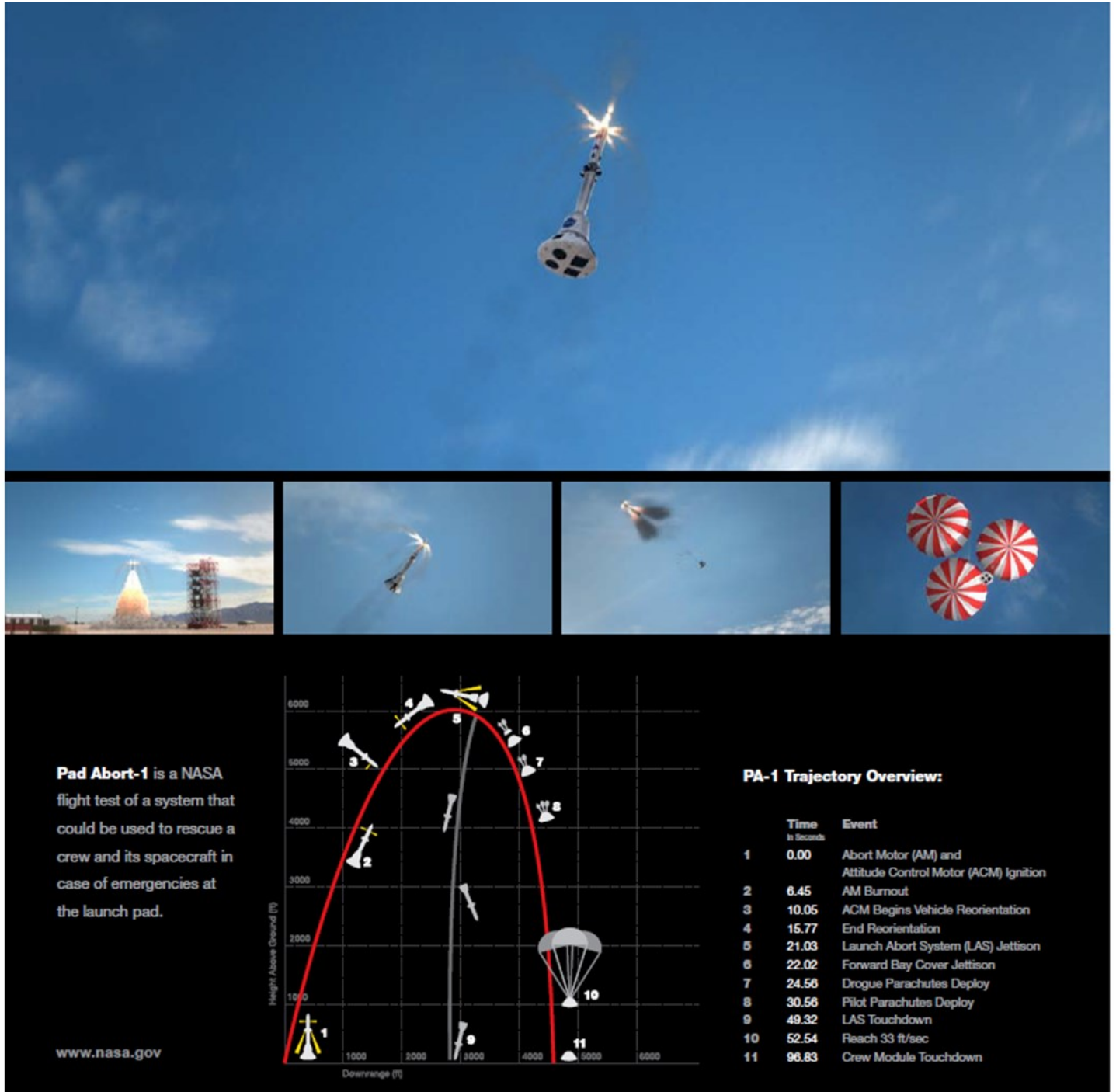
For reservations, contact:

Dan Nice – (410) 392-1311; daniel.nice@orbitalatk.com

RSVP by June 14th, 2018

Motor of the Month - Orion LAS

- On May 6, 2010, NASA conducted Pad Abort 1 (PA-1) flight test of the Orion Launch Abort System (LAS)
- Several videos of the flight test are available on YouTube
- Orion LAS development work has continued to this day
- Orbital ATK Missile Defense and Controls recently conducted a test fire of their Attitude Control Motor, also available on Youtube (<https://youtu.be/YPJNWoMklfQ> or search: Orbital ATK's Attitude Control Motor for NASA's Orion Spacecraft)



Photograph from www.nasa.gov

Public Policy in Action

As the world's largest aerospace professional society, AIAA plays a key role in the national public policy debate. This section highlights current policy issues of importance to the Aerospace community.

House Science Committee Advances Commercial Space Regulatory Bill

On 22 March, the House Science Committee approved the Commercial Space Support Vehicle Act ([H.R. 5346](#)). Introduced by Rep. Bill Posey (R-FL), the legislation streamlines the FAA's licensing and permitting process of hybrid launch vehicles to allow for licensed commercial space support flights. Such vehicles are aircraft that serve as either part of launch systems or provide spaceflight training or other research activities. H.R. 5346 awaits consideration by the full House, and a similar bill has not yet been introduced in the Senate.

President Announces New "National Space Strategy"

The White House recently [announced](#) a new National Space Strategy that is intended to outline how the administration will protect American interests in space. The strategy features four essential pillars that constitute a whole-of-government approach to U.S. leadership in space, in close partnership with the private sector and our allies. The pillars include a shift to more resilient space architectures; strengthening deterrence and warfighting options in space; improving foundational capabilities, structures, and processes that include space situational awareness, intelligence, and acquisition issues; and developing conducive environments for working with commercial and international partners.

Former AIAA President Michael Griffin Confirmed for Key Defense Position



The U.S. Senate confirmed former NASA Administrator and AIAA President, Michael Griffin, to be undersecretary of defense for research and engineering. The newly created position, established by Congress, oversees Pentagon technology investments and sets R&D priorities. He will also serve as DOD's chief technology officer. Griffin will likely play a central role in developing a modernization roadmap for military space programs and could have additional space-related responsibilities added to his portfolio as the Pentagon and the Air Force begin a congressionally mandated reorganization of space activities. AIAA President Jim Maser congratulated Griffin, saying that "Mike is the right person for this newly created and crucial position.... His leadership and knowledge of aerospace and defense technology investments will positively influence the near- and long-term security and technological advancements of our country."

Defense Secretary Unveils "National Defense Strategy"

In late January, Secretary of Defense James Mattis released the Trump Administration's [National Defense Strategy](#)—a forward-looking take on the challenges facing the U.S. military and how it is posturing itself to tackle those threats. The strategy calls for investments in space and cyberspace, nuclear deterrent forces, missile defense, advanced autonomous systems, and resilient and agile logistics. Another key priority is streamlining technology acquisition.

2017-2018 Council Members

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Programs Entire Council Breanne.Sutton@OrbitalATK.com
RAC Representatives David Fox and Breanne Sutton

The AIAA Delaware Section

The Delaware Section is part of the American Institute of Aeronautics and Astronautics, the world's largest technical society dedicated to the global 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 Website

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 Noah Gold, to obtain an application. Also, if you wish to be upgraded to Senior Member, Associate Fellow or Fellow, contact Breanne 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 Preswould Place, McLean, VA 22102.

Have You Checked out the AIAA Journal?

AIAA's journals are the best resource for students and professionals who want to stay current on the latest aerospace research and development. Reporting on the most important aerospace advances, AIAA's seven active technical journals feature original research papers spanning the spectrum of aerospace science and technology. They include methods of analysis, technical knowledge, exploratory development, and new applications. There are over 50 years of archives stretching back to the times of the American Interplanetary Society, predecessor to the American Rocket Society. We have provided a link below and hope you take some time to browse all the great information available to you. <http://www.aiaa.org/journals/>

Category of Membership	2016–2017
Associate Member, Member, and Senior Member Retired/ Return to Full-Time Study / Spouse / Unemployed (50% of member dues)	\$120 \$60.00
Associate Fellow Retired / Return to Full-Time Study / Spouse /Unemployed (50% of Associate Fellow dues)	\$131 \$65.50
Fellow Retired / Return to Full-Time Study / Spouse / Unemployed (at 50% of Fellow dues)	\$153 \$76.50
Full Time Student	\$25.00
Student to Professional Transition*	
2 nd year	\$30
3 rd year	\$60
4 th year - full member rate	\$90

AIAA DE Section Member Numbers

Professional Members	49
• Members	16
• Senior Members	24
• Associate Fellows	7
• Fellows	2
Educator Associates	37
Student Members	8

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 cannot 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 Breanne Sutton for an application.

[Membership Upgrades](#) - To request membership upgrade information or nomination forms, contact Breanne Sutton or 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

AIAA Delaware Section Social Media

The AIAA Delaware Section web site is active. Please visit <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's web site and provide any comments or suggestions.

Also, please visit any one of our many social media outlets:



[AIAA DE on the WWW](#)

[@AIAA_DE on Twitter](#)

[AIAA DE on LinkedIn](#)

[AIAA DE on Facebook](#)