

March 2020

Cabana wins AIAA Goddard Astronautics Award



AIAA has announced that Robert D. Cabana, Director of NASA Kennedy Space Center, and member of the Cape Canaveral Section of AIAA has been named recipient of the AIAA Goddard Astronautics Award for 2020. This is highest honor AIAA bestows for achievement in the field of astronautics. It was endowed

by Mrs. Goddard in the 1940s as the ARS Goddard Memorial Award to commemorate her husband, Robert H. Goddard—rocket visionary, pioneer, bold experimentalist, and superb engineer whose early liquid rocket engine launches set the stage for the development of astronautics. The award will be presented on May 20, 2020 at the AIAA Aerospace Spotlight Awards Gala, in Washington, DC.

The citation announcing the 2020 award, recognizes Robert D. Cabana “for significant leadership and reinvention of the Kennedy Space Center into the world’s preeminent multiuser spaceport supporting government and commercial access to space.” Mr. Cabana is a former NASA astronaut who flew on four Space Shuttle missions, and has been inducted into the Astronaut Hall of Fame. He is also a graduate of the US Naval Academy, serving as a naval flight officer and naval aviator in the US Marine Corps, logging over 7,000 hours in 50 different types of aircraft.

Mr. Cabana has received numerous personal awards and decorations over the years, including the Distinguished Flying Cross, the Presidential Distinguished Rank Award, and the National Space Club Florida Committee's Dr. Kurt H. Debus Award. The Cape Canaveral Section congratulates him on this latest honor, and is pleased to welcome him to the Astronaut Hopeful Networking Night on March 12.

#BeAnAstronaut Astronaut Hopeful Networking Night



Join your local AIAA section for our Astronaut Hopefuls Networking Night - a night of networking, application advice, and -of course- space stories! **March 12, 2020, 6-8 PM** at Rising Tide Tap & Table, 523 Glen Cheek Dr., Cape Canaveral, Florida 32920. We have the honor of hosting Kennedy Space Center's very own Bob Cabana - NASA KSC Director, former NASA astronaut, and AIAA Cape Canaveral Section member!

Whether you're applying in the upcoming 2020 application cycle, have applied in the past, plan to apply in a future cycle, or simply want to network with other space enthusiasts & professionals - this event is for you. It is open to ALL and we hope you'll join us! Be sure to RSVP on our Facebook event or shoot us an email to aiaacanaveral@gmail.com. Only one question left: what do you want to ask Bob Cabana?

Also, we will be live streaming the event on Thursday starting at 6:30 PM Eastern Time from our Facebook page, for those members not able to attend in person: <https://www.facebook.com/capeaiaa/>

Save the Date: Spring Banquet Coming Friday, April 24.

The Section is planning for a Spring Banquet, to be held on April 24. Details will be announced via email and social media sources as soon as they are finalized.



Panel Discussion on Space Policy and Economic Development



The Cape Canaveral Section of AIAA hosted a moderated panel discussion on “Space Policy and Economic Development” on Wed. February 19. Thank you to our panelists for spending the time to get our members involved in Space Policy and Economic Development. The panel included:

Congressman Bill Posey, U.S. Representative for Florida’s 8th Congressional District. (center)

Mr. Jim Kuzma, Senior Vice President and General Manager for Space Florida. (right)

Mr. Leslie Lake, Business Development for RS&H, Inc. (left)

Also pictured is AIAA Section Chair, Elizabeth Balga, introducing the panelists.

One of the Space Policy topics discussed during the event was Congressman Bill Posey’s Amendment to the SPACE Act (H.R. 2262) that streamlines regulatory processes, encourages cooperation between government agencies and eliminates red tape of the commercial space sector.

Another talking point involved Economic Developments in Commercial Space Activity, where we learned about manufacturing in zero G, including 3D Printing of human organs and pharmaceuticals.

Interest was also piqued over the Mobile Launcher for Moon Missions. The legacy Mobile Launch Platforms that carried the Saturn-V are being modified to support the new Space Launch System (SLS) Expendable Launch Vehicles that will carry astronauts back to the Moon and on to Mars.

This event was free and open to the public. Gain the experience that cannot be found in a classroom by becoming an AIAA member today!



FIT Dinner Meeting Hosted JPL Propulsion Engineer



The Florida Tech Student Branch of AIAA welcomed Todd Barber (wearing blue shirt, near center), Senior Propulsion Engineer at NASA Jet Propulsion Laboratory, as speaker at their annual dinner meeting on Feb. 27. Mr. Barber gave a lively, informative and humorous presentation about his experiences as propulsion engineer with the Curiosity mission, as well as a brief look ahead to the Mars 2020 mission (recently named “Perseverance”). Thanks to the FIT student branch under the leadership of Branch President Archit Srivastava (left) and especially Vice President Sean Dungan (at Mr. Barber’s left) who organized and ran the dinner event, creating the opportunity for student and section members to get inside information on one of JPL’s signature missions and to learn from his successes and mistakes (watch out for open mikes when working the console).



AIAA Awards at Brevard County Science Fairs

The Cape Canaveral Section presents an award at each of the three Brevard County regional science fairs for the best Aerospace projects presented at the senior level. K-12 STEM chair Melissa Sleeper coordinated the event and organized the judging. This year’s winners are Nick Guag of Satellite High School, Isabella Weiner of Holy Trinity Episcopal Academy, and Carl Critchfield of Melbourne High School. Each

winner receives a \$200 scholarship stipend, and is invited to present their science fair work at the AIAA Cape Canaveral Section Spring Banquet. Thanks to all of the section members who served as judges. This was a great opportunity to network with other section members and, more importantly, to share your experience and encouragement with the students.



Judges at the Brevard County South Science Fair

AIAA Essay Contest for 7th and 8th Grade Students

AIAA and the AIAA Space Systems Technical Committee (SSTC) are seeking participants in the 2020 SSTC Student Essay Contest. The contest is open to any seventh or eighth grader (or equivalent). If you know a middle school student who is interested, please encourage them to write an essay and apply!

Theme:

“How advanced can you envision space technology and exploration through the next 50 years? What do we need to do NOW to achieve that?”

Requirements:

- Typewritten essay, double-spaced, Times New Roman, 12 pt. font, in 1,000 words or less
- Include student name, teacher name, grade, and school name printed at the top of the essay
- Submit essay to Melissa Sleeper, scicrzy@gmail.com or melissa.sleeper@indianriverschools.org, with student and teacher's name, phone, e-mail, and mailing address for notification and awards, in the body of the email.

Judging Criteria:

1. Originality of ideas presented
2. Soundness of logic used to develop ideas
3. Realism of ideas presented
4. Quality of composition and clarity of expression

National Prizes:

1st place will be awarded \$125, 2nd place will be awarded \$75, and 3rd place will be awarded \$50. Winners are publicly announced in the September issue of Aerospace America magazine.

Eligibility:

Any seventh or eighth grader (or equivalent).

Deadline:

Final submission deadline to Melissa Sleeper, K-12 STEM Officer, Cape Canaveral Section, is **March 31, 2020**. Local winners and their teachers will be notified in April. National winners and their teachers will be notified in May.

Questions:

Email Melissa Sleeper (scicrzy@gmail.com or melissa.sleeper@indianriverschools.org)

In addition, the section is seeking section members to volunteer as judges for the competition.

 **AIAA Cape Canaveral is on Social Media and we want to hear from you! Find us @capeaiaa**

Take a minute to follow the AIAA Cape Canaveral Section on Facebook, Instagram, and Twitter at username @capeaiaa, or find us on Engage at engage.aiaa.org/capecanaveral/home

We want to hear from our members! Tell us what you think. Do you have a question you need answered? Do you need a guest speaker and/or volunteers for your event? Use these tools to ask your fellow section members for their help!

Nominations Sought for 2020-2021 Cape Canaveral Section Council

Do you know someone who would be a good candidate for the AIAA Cape Canaveral Section Council? If so, please contact section secretary and member of the Nominations Committee, David Fleming (dfleming@fit.edu). Please respond by March 31.

Announcements

Daily Launch

Want to receive a daily email summary from AIAA about all the latest aerospace news from Newspapers, TV, Radio and Journals? Sign Up for The AIAA Daily Launch. For member access to the AIAA Daily

Launch, please log in to www.aiaa.org/MyAIAA, navigate to "Access Publications & Materials" and select "Daily Launch." The AIAA Daily Launch, distributed to AIAA members each weekday morning, is a digest of the most important aerospace news selected from thousands of sources by the editors of Bulletin Media.



AIAA Career Center

AIAA is pleased to provide members with a [Career Center](#), with extensive lists of resumes and available positions. A powerful and user-friendly search tool allows you to find the ideal job or candidate.

