

THE SAN DIEGO FLYER



Message from the San Diego Section Chair

As the year winds down for my 2015-2016 elected term, I'd like to take a look back at all the accomplishments the council has made in the past year.

This past year, AIAA-SD has been extremely busy organizing 5 dinner events, providing 4 tours to high school and college groups to local aerospace facilities, participating in 4 STEM events, organizing 2 field trips, organizing 1 YP event, participating in 2 conferences, and organizing 2 banquets. Our success would not be possible without the hours of planning from the outstanding council this year, and the participation from all of the members and aerospace enthusiasts.

As a last reminder, the National AIAA elections are coming to a close, and we need your votes! The deadline to vote is Monday, May 16. Simply login to aiaa.org/Governance/ and hit the "Vote Now" button. It should only take about 5 minutes of your time to participate in the elections.

Thank you all for a wonderful and memorable year!

[Credit: Katherine Kucharski]

Image: AIAA-SD members attend YP event at the Flying Leathernecks Museum at MCAS Miramar in San Diego, [Photo Credit: Cesar Martin]



Image: Header image for AIAA National “Flight Plan” for proposed Governance changes, [Image Source: [AIAA Governance Page](#)]

Vote Now on AIAA Governance Changes!

Do you want to be part of the future of AIAA? Do you want your voice to be heard? Then it is time to VOTE!

In order for the proposed changes to the AIAA National Constitution to take place, we need at least 15% of AIAA members to vote. In recent years, voting has only been a 10% turnout. So AIAA really needs you to vote on these Constitution changes! More information about the proposed changes can be found at www.aiaa.org/Governance including FAQs and written material.

Voting will only take a couple minutes! You will be asked to log in via your AIAA username and

password. So make sure you have those handy. The deadline to vote in the national election is Monday, May 16th. So go to the [AIAA Governance Page](#) and click the green “Vote” button to vote now! [Credit: AIAA-SD]

Volunteer for 52 Weeks of Science

Reuben H. Fleet Science Center’s 52 Weeks of Science is a year-long celebration of science right here in San Diego in Barrio Logan and Logan Heights. More than 56 organizations have come together for a year full of discovery through FREE fun science events and opportunities every week. And on Friday, May 20 at 5:00PM, AIAA San Diego will host a Build Your Own Rocket activity at Perkins Elementary (1770 Main St., San Diego, CA 92113).

At the AIAA event, students will learn how spaceships blast off into outer space by exploring the basics of aerodynamics. They will learn how to build and launch their own rockets! It will be a great opportunity for aspiring engineers and scientists to discover what roles thrust, drag, weight, and lift play in launching a successful mission. If you are interested in volunteering at the event please contact [Chris McEachin](#).

For more information about the program, please visit the Reuben H. Fleet Science Center’s website: 52WeeksofScience.org. [Credit: 52 Weeks of Science]

Want to know more about AIAA-SD?

PLEASE VISIT OUR WEBSITE OR FACEBOOK, OR CONTACT US AT:

MAIL:
P.O. BOX 3898, SAN DIEGO, CA 92163

EMAIL:
COMMUNICATIONS@AIAA-SD.ORG

WEBSITE:
AIAA-SD.ORG

FACEBOOK:
[FACEBOOK.COM/AIAASD](https://www.facebook.com/AIAASD)

Learn More About EnCorps STEM Teaching Opportunity

If you and/or an acquaintance are a STEM professional whom would like to inspire students in California's public education, or are considering an eventual career transition to teach in middle or high school, EnCorps encourages you to learn more!

Former Governor Arnold Schwarzenegger and (current) UC Regent Sherry Lansing established EnCorps as a unique public-private partnership to address California's:

1. Acute science, technology, engineering and math (STEM) achievement gaps AND
2. Chronic educator shortages in middle schools and high schools.

In order to solve California's "other drought" for inspirational STEM teaching, EnCorps enables involvement in STEM education by preparing and placing professionals in "win-win" tutoring, guest teaching, and curriculum-based enrichment programs. EnCorps then supports its established tutors and teachers with professional development, California test preparation, credentialing, scholarship opportunities, and educator networking for placement. EnCorps "value added" career pathway support is free to our Fellows; thanks to private and public charitable contributions.

To find out more about EnCorps, visit the [EnCorps Web Page](#), [Facebook](#), [Twitter](#), or [LinkedIn](#)! [Credit: David Frost, EnCorps Program and Recruitment Director]

Save the Date for AIAA-SD Distinguished Lecturer

Save the date for "Advanced Space Concepts for Interstellar Travel", a presentation by Greg Meholic, Sr. Project Engineer for The Aerospace Corporation and Associate Fellow of AIAA. The presentation will be held 02 June 2016 at 5:30PM at Solar Turbines (2200 Pacific Hwy, San Diego, CA 21101).

Greg Meholic is an expert in liquid rocket engine design and has supported over 40 launches as well as a number of advanced propulsion programs. His 22 years of aerospace industry experience has given him extensive practical knowledge in aerodynamics, aircraft design, gas turbine and rocket engines and alternative propulsion systems.

So join us to learn about Meholic's work and just a few of the compelling reasons why humans should explore the heavens and beyond the solar system! His talk will center around the key technology required to make space missions possible – propulsion. Meholic will discuss future concepts and emerging technology for spacelift systems! Details for RSVP soon to follow. [Credit: Ioana Broome]



Image: Photo of teacher from the EnCorps STEM Teachers Program, [Image Source: [EnCorps Facebook](#)]



Image: Photo of UC San Diego 2015-2016 Design Build Fly (DBF) team with the UCSD/SDSU DBF perennial trophy at the AIAA San Diego End of Year Banquet, [Image Source: [AIAA at UCSD](#)]

AIAA-SD End of Year Banquet A Success

Each year the AIAA San Diego section holds a gala Awards Banquet to recognize accomplishments by the local San Diego aerospace community. This year's banquet was held on Tuesday, Monday April 25th, at the new and very spacious San Diego State University Conrad Prebys Aztec Student Union Montezuma Hall.

AIAA San Diego honored talented people from all age groups including high school students, university students, and professionals. Awards presented included the Lifetime Achievement Award, AIAA San Diego Section Awards, Greater San Diego Science Fair Winners, and the UCSD/SDSU DBF perennial trophy.

In addition to these awards, AIAA San Diego also presented deserving students with the Reuben H. Fleet Scholarship. Since 1983, 184 students have received the scholarship. The Reuben H. Fleet Foundation at The San Diego Foundation makes the scholarship possible.

The event was a great success with 130 guests there to honor some of the best in San Diego aerospace. We hope to see you all at next year's end of year banquet! [Credit: Kevin Burns / Keith Glassman]

AIAA-SD Tours Miramar Flying Leatherneck Museum

AIAA-SD invited Young Professionals to attend a free tour of the Flying Leathernecks Aviation Museum. The event was held Saturday, February 27th from 1pm-3pm at the Flying Leathernecks Museum on the grounds of MCAS Miramar and was followed by a social hour at the nearby Ballast Point, Miramar location.

The guided tour was provided courtesy of Dr. Joe Bassi, PhD (Lt. Colonel, USAF, Retired), a member of the Leathernecks Board of Directors and an assistant professor of arts and sciences at Embry-Riddle Aeronautical University (Worldwide Campus).

The event had a great turnout with several young professionals attending along with their friends and families. Those who attended were given a great overview of Marine Corps and Naval aircraft from multiple eras, while enjoying a sunny walk through the outdoor museum.

Thanks to everyone who attended, and stay tuned for more YP events this coming year! [Credit: Robin Felver]

Lessons Learned from F/A-18 Flight Test Dinner Meeting

At AIAA San Diego's March 2016 Dinner Meeting, guest speaker Jim Sandberg discussed "Aircraft Design Lessons Learned During the Hornet and Super Hornet Development".

At the event Jim Sandberg, a former test pilot who has flown over 6500 hours in more than 50 different aircraft types, shared inspirational design stories and lessons learned from flight testing.

The dinner meeting was held on Monday, March 21st, 2016 at the Miramar Officer's Club. The dinner meeting was a great success with the club packed full with AIAA members and aerospace enthusiasts who came to listen to Sanberg speak. [Credit: Robin Felver]

AIAA-SD Holds Annual Aerospace Heritage Night

The AIAA San Diego Section held its' 6th annual Aerospace Heritage Night at Northrop Grumman Mission Systems, Spectrum Center in Clairemont. AIAA San Diego recognized six AIAA members for their Long-Term Membership anniversaries and some participated in a discussion panel.

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and young professionals in the audience, there was also a strong focus on career paths, advancement, and staying current with new developments in the industry. If you were unable to attend Aerospace Heritage Night this year, make sure you attend the event next year! [Credit: Kevin Burns]



Image: AIAA-SD March Dinner Meeting discussed F/-18 flight test. Photo above shows current Super Hornets preparing to launch from flight deck of USS Carl Vinson (CVN 70). U.S. Navy Photo by Airman Courtney Leavitt/ Released [Image Source: [Navy Aircraft Photo Gallery](#)]

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