



New Logo!

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New Address: San Diego Section AIAA!

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SDSU Rocket Update!

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AIAA San Diego Has A New Address

Any mail sent to the old address will be forwarded.

American Institute of Aeronautics and Astronautics
San Diego Section
PO Box 503453
San Diego, CA 92150-3453

Keeping The Fire Burning...

Greg Marien, Section Chair

It has been an exciting year, and it is time for me to sign out. But, I will be taking over the watch again as Chair for 2007-2008. Fortunately, San Diego has a great council that keeps the fire burning no matter who takes the reigns.

I am sorry to see a few members depart the area. Sofia Calica, SDSU chair and AIAA webmaster, is headed to Cape Canaveral to begin her career in the U.S. Air Force. Nick Grela, our newsletter editor, just graduated SDSU with a degree in aerospace engineering and physics and may be headed to Huntsville, Alabama. I would like to keep him around, so let me know if you need an employee to improve your company. Thank you for all your hard work on the council.

A big thank you also goes out to the council at large for your efforts in our very active section. The continued success of AIAA in San Diego is because of our amazing team.

Meeting the hundreds of people in the last few years, including many aerospace icons, has taught me a lot about the industry. Thank you for bringing the stories to the table. Hopefully I will be able to hear the rest of them during future dinner meetings. My wife Julie is also looking forward to more great stories.

I have been asking for help on the council, but right now we are almost full. The biggest need is in the young professionals category. Even though we have one chair position for young professionals I would like to expand the role. There are plenty of opportunities to speak at colleges, high schools, and grade schools and the Young Professionals are a great resource for this activity. If you are interested give me a call or email me at Chair@aiaa-sd.org.

Have a great summer!

Planning Meeting

The San Diego AIAA Council will be having a planning meeting on July 14. If you have any events you would like to put on our calendar please e-mail our Long Range Planning Vice Chair Penny Ulander at ViceChair.LRP@aiaa-sd.org.

In Honor of James B. Robinson

AIAA would like to honor the life of James B. Robinson III. James was born in Pittsburgh, Pennsylvania on June 18, 1918. Graduated from Penn State, and drafted into the 5th Cavalry Regiment, he eventually was chosen for Army Air Corps flight training. He flew and commanded the B-24 bomber for 51 combat missions over targets in Europe. At the end of the war he received the Distinguished Flying Cross and Presidential Unit Citation as well as other awards. He served 26 years in the Air Force, and was promoted through the ranks to full Colonel. Upon retirement he was presented the Legion of Merit Award for exemplary performance of duties.

He moved his family to the La Jolla area and worked for Convair General Dynamics, where he contributed to Tomahawk defense developments and Space Shuttle programs. He was also active in the Daedalians and AIAA as our local AIAA Chairman (1980-1981).

Jim was predeceased by his wife, Alice, and his son, Paul, and is survived by Phil and Pam, grandchildren Jennifer, Justin, Sara, Justine, Christy, Renae, Jennifer and nine great grandchildren.

2007 Awards Banquet

Keith Glassman, Honors & Awards, and Career Enhancement Chair

This years awards banquet followed the formula of the last few years maintaining a consistent record of success. Ninety-three people were there to honor some of the best in San Diego aerospace and to learn about some of the new and innovative products they have developed.

The following page lists the recipients of awards given out by the AIAA San Diego section for accomplishments by local San Diego aerospace companies and individuals. Also listed are the AIAA National Awards given to the San Diego Council for their efforts.

Alex Fleet, the grandson of Reuben H. Fleet, founder of Consolidated Aircraft, was our guest of honor. He awarded ten Reuben H. Fleet Scholarships to deserving students (pictured below). Since 1983, 108 students have received the scholarship. The scholarship is made possible by the Reuben H. Fleet Foundation at The San Diego Foundation.

Each year, AIAA National sponsors a competition called Design, Build and Fly (DBF). Teams from universities make remotely piloted aircraft, which compete at the national DBF fly-off. For making a higher standing at the fly-off than SDSU, we presented the UCSD team with our perennial DBF trophy.

A joint AIAA-SD/California Space Grant check was presented to the Madison High School Devil Duckies Robotics Team to assist their team in the national U.S. FIRST Robotics Competition in Atlanta, GA.

AIAA San Diego section selected the best two aviation related projects at the 53rd Annual Greater San Diego Science and Engineering Fair held on March 27 through April 1, 2007. Jessica Nguyen and Anthony Neuberger were both handed \$100 awards for their projects, "How Much Do Solar Storms Affect the Earth's Magnetic Fields?" and "Invention of an Autonomous Navigation System for Lighter-Than-Air Aircraft" respectively.

Reuben H. Fleet Foundation Fund Recipients



Standing (L to R): Greg Marien, Section Chair; Richard Krutop, SDSU; Chad McCoy, Rancho Buena Vista High School; Reid Collins, Valley Center High School; Barry Hawkins, UCSD; Timothy Palmer, UCSD; Alex Fleet

Sitting (L to R): Ryan Nascimento, SDSU; Chad Smith, SDSU; Sofia Calica, SDSU; Monique Fine, SDSU; Karthik Balakrishnan, UCSD

AIAA San Diego Section Awards	Honoree	Citation
Lifetime Achievement Award	Alan Schneider, Sc.D. University of California, San Diego	For a distinguished career, which has included work on space rendezvous and his recent efforts in applying systems engineering principles to biomedical problems.
Outstanding Achievement by an Aerospace Organization	Thomas J. Cassidy General Atomics Aeronautical Systems	For the Predator UAV, which has become a model aviation program and a ground breaking new technology.
Outstanding Contribution to Aerospace Management	Brad Clark General Atomics Aeronautical Systems	For his seeing the Predator UAV program through many upgrades and making it a lifesaving vehicle for troops in the field.
Outstanding Contribution to Aerospace Engineering	Akhilesh Jha, Ph.D. NextGen Aeronautics, Inc.	For an impressive array of accomplishments in a relatively short career including ground breaking research in morphing aircraft structures.
Outstanding Contribution to Aerospace Education	Joseph Katz, Ph.D San Diego State University	For his research, superior teaching abilities and mentoring of students at SDSU.
Outstanding Contribution to the Community	Steven Manganelli NAVAIR North Island	For his role as consultant and mentor of UCSD students in the AIAA/Cessna Design Build Fly competition.
Outstanding Contribution to the AIAA San Diego Section	Greg Marien Northrop Grumman Unmanned Systems	For his superior leadership and modernization of section operations while continuing successful activities.
Outstanding Contribution to AIAA Region VI	Kevin Burns Wyle Laboratories	For his consistent participation in Region VI conferences, the History Technical committee and establishing the Homeland Security Technical Committee.
Outstanding Contribution to AIAA at the National Level	Phil Smith California Space Grant Foundation	For his many efforts at keeping us in touch with national events such as Congressional Visits Day and several education initiatives.
Outstanding Educator Associate	Sharon Freeburn California Space Grant Foundation	For her dedication to the San Diego section and keeping us in touch with the local education scene.

AIAA San Diego Section Awards (2005-2006)	Honoree
Outstanding Section Award	Kevin Burns, Wyle Labs
Membership Chair Award	James Peterson, Retired - General Dynamics
Harry Staubs Pre-College Outreach Award	Quentin Goss, Retired - USAF
Public Policy Award	Phil Smith, California Space Grant Foundation
Young Professionals	Kevin Scanlon, Goodrich Aerospace



Madison High School Devil Duckies Robotics Team

AIAA San Diego Election Results	Outgoing 2006-2007	Incoming 2007-2008
Section Chair	Greg Marien	Greg Marien
	Northrop Grumman	Northrop Grumman
Vice Chair (Long Range Planning)	Penny Ulander	Penny Ulander
	NAVAIR, North Island	NAVAIR, North Island
Vice Chair (Technical)	Kevin Burns	Joel Perez
	Wyle Laboratories	Pratt & Whitney
Secretary	Kevin Scanlon	Kevin Willett (Appointed)
	Goodrich Aerostructures	General Atomics
Treasurer	Bob Matson	Bob Matson
	Aviation Capital Group	Aviation Capital Group

Awards Banquet Pictures

(More will be posted to www.aiaa-sd.org soon)



Atlas Program Reunion

Mark your calendar for the "Fifty Years of Atlas Launches Reunion" celebrating the 50th anniversary of the first launch of the Atlas vehicle on June 11, 1957. The reunion will be held at the [Scottish Rite Center in Mission Valley](#) on Saturday July 21, 2007, from 1:00 PM to 5:00 PM, in the Corinthian Room.



Join your Atlas Team for this afternoon of warm reminiscence. Present and former employees of General Dynamics, Convair, LMCO, NASA, USAF, Associate Contractors and Sub-contractors are all invited to this reunion. Attendance is estimated to be from 400 to 1000.

For further information, go to the reunion website at: http://members.cox.net/atlas_reunion/

Send your RSVP to:
atlas.reunion@yahoo.com
Subject: Attendance Confirmation

Membership News

Jim Peterson, Membership Chair

Section professional membership stands at 411 as of May 1, 2007. In addition, the Section has 37 Educator Associate and 102 Student Members.

We would like to welcome the following new AIAA professional members to the San Diego Section over the last four months:

February 2007

Allan Basile	Axsys Technologies
Don Goddard	GA Aeronautical Systems
Akhilesh Jha	NextGen Aeronautics
Cecilia Mirandola	Goodrich Aerostructures
Robyn Phillips	Northrop Grumman

March 2007

Thane Coxon	NAVAIR North Island
Trevor Crawford	
Manuel Ganuza	
Eric Lundgren	Scaled Composites
Mahidhar Tatineni	
Matthew Thompson	Vanguard Composites
William Walker	Northrop Grumman
Kevin Willett	UCSD
Michael Yang	ATA Engineering Inc

April 2007

Bob Benner	Goodrich Aerostructures
Jonathan Blackler	UCSD
Duane Domingo	NAVAIR North Island
Richard MacDonald	RAM Laboratories Inc
Robert McGraw	RAM Laboratories Inc
Keith Rowley	Goodrich Aerostructures
Richard Rushton	Lockheed Martin
Jack Turner	Maxim Systems

May 2007

David Berman Wirth	
Stanley Johnson	Interface Displays & Controls
Robert Kolozs	San Diego Composites
Michael Neale	GA Aeronautical Systems
Tomoya Ohno	
Roger Stensland	NAVAIR North Island

If you have any questions about membership or advancing your membership grade, please contact Jim Peterson at (858) 279-1940, or E-mail to: jdpete@pacbell.net .

SDSU Rocket Update

Nicholas Grela, SDSU Rocket Team

Another great year of rocketry has gone by. In the beginning it looked as if the project may fade away. Fortunately Devin Norrell took charge and led the SDSU team to build another rocket.

Similar to last year, the upper classmen had limited time to help build these rockets due to senior projects, so other classmen stepped up to the challenge and helped the team. Along with the rocket, a [blog](#) has been added to the [website](#).

The team used the same design as past SDSU rockets yet added a few improvements. Despite the recent unsuccessful static fire on May 27, great achievements were made throughout the rocket's development. More important than the success of the rocket, the students learned valuable teamwork skills, and the practical application of their education. The students would like to thank Flometrics, Carl Tedesco, Steve Harrington, Paul Breed, and Friends of Amateur Rocketry (FAR) for their support. For videos of the recent static fire see ([Video1](#), [Video2](#)).

Devin, a May 2007 graduate, will pass the project leader torch on to Stephan Kirby and Alex Bautista. Look to see great achievements in the near future for the SDSU Rocket Team and amateur rocketry by visiting the SDSU Rocket blog and the SDSU rocket teams website [here](#).

2007 Congressional Visits Day

Phillip Smith, Public Policy

On April 17, AIAA members visited congressional offices meeting with Science and Technology staffers and representatives. Members of all levels and ages presented our membership's collective concerns and issues on Homeland Security, Defense Research, Aeronautics Research, Space Exploration, Defense Acquisition, use of UAVs in the national air space, Life Science Workforce and Education. AIAA message Team San Diego was composed of Phil Smith (San Diego Section Senior Member) and Christine Fanchiang (MIT Student member, originally from the Bay Area). We met with Gary Kline, science and technology legislative assistant to Brian Bilbray, with Michael Harrison, senior science and technology legislative assistant to Duncan Hunter, with Karen Foster, science and technology legislative aid to Bob Filner and with Daniel Hazard, science and technology legislative assistant to Susan Davis. Con-

gresswoman Davis joined the meeting near the end. We were also joined by Kathleen Connell of the AIAA Life Science Technical Committee. For more information on Congressional Visits Day go to the go to www.aiaa.org, or click on the links below:

- [Congressional Visits Day](#)
- [Public Policy](#)

USFIRST San Diego Robotics Regional

Phillip Smith, Public Policy

Forty-seven teams from across the nation participated in the San Diego First Robotic Regional Competition March 22 through 24 at the ipay-ONE Center. Teams came from Oregon, Michigan, Idaho, Hawaii, Colorado, Arizona and of course California. San Diego was represented by the Pruess School Midnite Mechanics, Madison High School Devil Duckies, Mira Mesa High School Lambda ^3, High Tech High School Holy Cows, Construction Tech Academy Hammer Heads, San Diego Education Complex Funky Monkeys, Sun Valley Charter High School Falcons, Poway High School Team Spyder, Abraxas High School Metal Heads, Chaparral High School Robo Runners, Granite Hills High School Bionic Battalion, San Dieguito High School Paradox Robotics and Hilltop High School Phruit Loops. The Madison High School Devil Duckies, mentored by Joe and Betty Joe Acker won the San Diego Regional Chairman's award. As a result, they will compete at the Nationals in Atlanta. This team receives a California Space Grant Foundation and AIAA San Diego grant each year at the Awards Banquet. The VIP Luncheon was attended by Dr. Paul Jacobs, Supervisor Greg Cox, Mayor of Chula Vista Cheryl Cox and Dale Amorosia from Assemblywoman Mary Salas's office.

New AIAA Logo

If you have not noticed yet, the AIAA logo has a new, streamlined design that reflects our identity in the industry. Our membership knows us as AIAA and the use of the acronym supports ease and simplicity of communications, and the tagline explains our position and scope. Effective May 15, 2007 this updated logo is to be used in lieu of logos that include AIAA's written-out name. Standard logos in a variety of formats are available for download on the national AIAA website.

Contact Information (2007-2008 Officers)*

*Some are still to be determined

Position	Name/Company	Work Phone/Fax	Email Address
Section Chair	Greg Marien, Northrop Grumman	(858) 618-5207	Chair@aiaa-sd.org
Secretary	Kevin Willett, General Atomics		kcwillett@gmail.com
Treasurer	Bob Matson, Aviation Capital Group	(858) 776-0914	Treasurer@aiaa-sd.org
Vice Chair – Long Range Planning	Penelope Ulander, NAVAIR North Island	(619) 545-3935	ViceChair.LRP@aiaa-sd.org
Vice Chair – Technical	Joel Perez, Pratt & Whitney Composites		ViceChair.Tech@aiaa-sd.org
Program Arrangements	TBD		
Field Trips	Doug Armstrong, Retired		Drdougarm@aol.com
Flyers	Jenny Rhymer, UCSD		Editor@aiaa-sd.org
Newsletters & E-Bulletins	Jenny Rhymer, UCSD		Editor@aiaa-sd.org
Webmaster	Irene Chan, UCSD		ichan@ucsd.edu
History & Bylaws	Chris Root, NAVAIR North Island	(619) 545-0626	Chris.root@navy.mil
RAC VI Delegate	Kevin Burns, Wyle Laboratories	(619) 543-1700	ViceChair.Tech@aiaa-sd.org
Public Policy	Phil Smith, CSGF	(619) 944-2555	psmith@csgf.org
Membership	Jim Peterson, General Dynamics – Retired	(858) 279-1940	Jdpete@pacbell.net
Honors & Awards, and Career Enhancement	Keith Glassman, NAVAIR North Island	(619) 545-3736	Keith.Glassman@navy.mil
Student Activities	TBD		
Professional Society Liaison	Warren Johnson, BFGoodrich Aerospace – Retired	(858) 278-1317	wmjohnson2@earthlink.net
Pre-College Outreach	Phil Smith, CSGF	(619) 944-2555	psmith@csgf.org
Educator Associate	Sharon Freeburn, CSGF	(619) 234-8291	sfreeburn@csgf.org
Young Professionals	TBD		
SDSU Faculty Advisor	George Faulkner, SDSU	(858) 270-7354	DGFJR@aol.com
SDSU Student Chair	Alejandro Aquirre, SDSU		avaguirre@gmail.com
UCSD Faculty Advisor	Dr. Keiko Nomura, UCSD	(858) 534-5520	knomura@ucsd.edu
UCSD Student Chair	Irene Chan, UCSD		ichan@ucsd.edu
Rocket Project	Steve Harrington, Flometrics		sharring@flometrics.com

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