



NEWSLETTER OF THE SOCIETY OF AMERICAN MILITARY ENGINEERS SPACE COAST POST

3RD QUARTER 2013

2013 SAME Engineering & Construction Camper

SAME offers a very unique series of engineering camps designed for High School students who excel in math, science and technical courses and are interested in pursuing engineering in college. The Post is a strong supporter of these camps and has generously sponsored several campers and mentors since 2007.

Christopher Boughton, who presented his camp experience this past August, was one of 96 high school students from across the country that attended the Air Force Academy (AFA) Camp in Colorado Springs.

"The best part for me was when we toured the academy campus. We were able to see many of the labs and facilities available to students that are attending the academy. One of the people that I will not forget is USAF 1st Lt Robbie Frederick. He was one of the advisors for my flight, giving great life advice and making our academy experience amazing.

This experience made me realize what engineers actually do. It proved very educational in that it taught me many things about the field I want to work in. That experience has motivated me to go to the AFA more than ever."

In addition to the everyday life of a teenager, Chris is taking tail dragger lessons. He is learning to land and take off in this airplane because he is scheduled to spend a month in Alaska, flying with "Alaska Cub Training Specialists Inc." taking bush pilot training. He will be training how to fly a Super Cub in the mountains and how to land in the Alaska bush. Chris will also be working for them, earning his room and board. Chris is planning to graduate from the AFA as an aeronautical engineer and attend flight school, becoming a fighter pilot. During his four years at the AFA, Chris hopes to join the glider club and become a glider instructor of other cadets. He also plans to take academy parachute training.



"My favorite pass time is bragging about my son! Thank you again for giving him the opportunity to attend the camp. When he received the email from the academy the first word was "congratulations" and that is all Chris had to read before he gave me the biggest bear hug I have ever received."

Wes Boughton (very proud father)

2013 SAME Engineering & Construction Camper Cont'd



The second camper the SCP sponsored was Anna Demoret, a senior at Cocoa Beach Jr/Sr High School. Along with Chris, Anna also attended the Air Force Academy (AFA) Camp in Colorado Springs. The camp motto was “Build then Design”. We shared a lot of laughs and smiles as Anna presented this concept during our September meeting. The campers enjoyed a week long hands-on experience of a variety of projects including concrete beam construction and destruction, heavy equipment operation, mechanics of materials lab work, shed building, water purification, robotics, flight simulation, and the art of hammering a nail to a board. After some of the exercises, they went through the “What-Why-How” of the engineering reason behind the successes and failures found in their projects. Anna also enjoyed many other team building and once in a lifetime experiences hiking in the mountains of Colorado.



Anna is actively involved in cross country and the Army Junior Reserve Officer Training Corp (JROTC) raider team. She has also been involved with karate for the past 8 years.

“Growing up in a military family, I have always wanted to continue the tradition of serving my country, and the Air Force Academy was a way for me to get an excellent education while challenging myself to become a better person.”

The most memorable thing about the camp was probably being project manager of the shed project and trying to solve problems as they arose. The camp definitely changed my view of how the world of civil engineering works, and the Academy engineering tours cleared up some confusion about the distinctions between different types of engineering. The SAME camp is definitely a valuable experience for anyone looking to go into obtaining an engineering major. Thank you SAME for giving me this opportunity.”



STANGSAT

During our July meeting, we had the pleasure of hearing a presentation by one of our 2013 High School Scholarship recipients, Maurisa Orona, about her experience with “StangSat”. StangSat is a team of Merritt Island High School students, including Maurisa, who have partnered with NASA through a Space Act Agreement to design, build and launch a nano-satellite. The mission of StangSat is to quantify launch environments for future missions allowing future payloads to better understand the environments to which they will be exposed. The team began the development process in August of 2010 and in June of 2013 completed their first test flight. This project exists primarily as educational outreach, allowing high school students to undergo the real process of creating a satellite. The team has gone through each phase and completed multiple reviews and many series of tests, being led by fellow students and guided by NASA mentors.



StangSat Team (L-R): Briana Luthman, Brian Robusto, Shaun Daly (NASA mentor), Maurisa Orona (2013 SAME Scholarship Recipient), Nathan Stephens, James Smith, Tracey Beatovich (MIHS Teacher Sponsor).

It is exciting to see how well our area high school students have excelled in engineering and science programs. Thank you Maurisa for sharing this experience with us and good luck to the continued success of the StangSat program.

Wounded Warrior Project

If you were not in attendance at the September monthly meeting, you missed a heartfelt and moving presentation by David Daugherty. David joined the Army National Guard in 1990 and developed a patriotic heart. From 2004 to 2006, he deployed twice as an Air Force Pararescueman in Combat Search and Rescue, and a third time as a medic with U.S. Army Special Forces. David’s military awards include the Combat Infantry Badge, Bronze Star, Air Medal and Arial Achievement Medal with oak leaf cluster. When he returned home, he battled anger, rage, hypervigilance, withdrawal, and depression. After finally being diagnosed with Post-Traumatic Stress Disorder (PTSD), he started making great strides in his recovery.

David shared his story in hopes that we would gain a better understanding of what the mission, vision and purpose of the Wounded Warrior Project (WWP) was all about. The mission of the WWP is to help honor and empower wounded warriors. The vision is to foster the most successful, well-adjusted generation of wounded service members in our nation’s history. The purpose is to raise awareness and enlist the public’s aid for the needs of injured service members; to help injured servicemen and women aid and assist each other; and to provide unique, direct programs and services to meet their needs.

“If it wasn’t for Wounded Warrior Project, I would be a statistic right now.”

“I appreciate the fact that Wounded Warrior Project has helped me regain my self-worth.”

“My family is getting their husband and father back.”

- Wounded Warrior

The Space Coast Post is having a fundraiser for the WWP in November. More details to follow. For more information about the WWP, visit woundedwarriorproject.org.

2013 Summer Social



A very big thank you to BRPH who was our Silver Sponsor for the 2013 SAME Summer Social held this past July. The Space Coast Post appreciates your continued and dedicated support as a loyal Sustaining Member of the Society.

As always, a huge thank you to our raffle prize sponsors; Alpha MRC, Groundhound Detection, ITB, Jacobs and Martinez Engineering & Management Services, Inc.



Scholarship Recipients Say Thank You to SAME

We've received several thank you notes and messages from our past scholarship recipients and I wanted to take this time to share with you a couple of notes from two of our 2013 High School recipients, Christopher Blaylock who is attending the University of Florida and Sean Carroll who is attending Cornell University. We wish them both continued success in their pursuit of engineering degrees.

Dear SAME Scholarship Committee,

*Thank you very much for the scholarship. I am honored to be a recipient, and I greatly appreciate it, **as do my parents.** - Sincerely, Christopher Blaylock*

Dear Mr. Quandt,

I just wanted to thank you for the wonderful opportunity. I was honored to come to your luncheon and be recognized in front of so many engineers from around the area. It means a lot to me to be recognized by your engineering society for my achievements. - Thank you, Sean Carroll



Operation Precious Gift

Last Christmas, SAME Space Coast Members generously supported Operation Precious Gift (OPG). Because of SAME participation, 78 military families enjoyed a better Christmas morning. This year, OPG is again reaching out and asking for our generosity. Operation True Giving began in Shaw AFB and SSGT Marcos Gonzalez was blessed to have been among the sponsored families. Now at PAFB, SSGT Gonzalez took the initiative to collaborate with First Shirts to bring together presents and foods for our Airmen. Help him on his mission to provide a Happy Christmas for local military families. If you are interested in finding out more, email operationpreciousgift@gmail.com.

Committee News

Education and Training:



Join us for a discounted and exclusive continuing education opportunity, Laws and Rules with Ed Bayó, the former attorney for the Florida Board of Professional Engineers. This course satisfies the requirement for 4-hours of Laws & Rules training for Florida engineers. The course consists of a Video and a 25-question test. Lunch will be provided by Panera Bread. Thank you to our host and sustaining member, Reynolds Smith & Hills.

Dates & Location:

December 11, 12:00 p.m. to 4:00 p.m.

RS&H

115 Alma Boulevard, Suite 101

Merritt Island, FL 32953

Price:

\$25 SAME members (Can register now)

\$50 non-members (Register starting 30 Oct)

Normal Price: \$90; Savings of up to \$65 for members; Join today at www.same.org

Seating is limited, so register today. E-mail Nick Murdock at nicholas.a.murdock@nasa.gov or call 867-8703.

Membership Chair:

Sustaining Member Firms: 73

Individuals: 140

Sustaining Member Reps: 273

Interested in becoming a member or giving a Sustaining Member Spotlight? Contact Carol at cklincko@mriarchitects.com.

Publicity Chair:

If you have written an article for any engineering, architecture, and/or construction publication this year or plan to have an article published, please contact Michelle (mshoultz@fraziereng.com) so that we can highlight you and your firm in our newsletter, on our website, on our facebook page or on the SAME National Blog: <http://sameblog.org>.

Golf Chair:



For those of you who don't know, our 13th Annual SAME Golf Tournament is scheduled to be held Friday, November 8th. Same tee time, same golf course, best tournament food ever, most entertaining golfers and sharpest engineering math you'll ever see. If you have any goody bag items, would like to make a donation, would like to be a sponsor, please contact Roger Sevigny at rsevigny@alleneng.com.

Emergency Preparedness Chair:

Make plans to attend the Design-Build 2013 8th Annual Conference of the DBIA Florida Region. When it comes to project delivery, Design-Build Delivers! When properly implemented and executed, design-build can deliver value, speed, and innovation. Design-Build 2013 features presentations designed to showcase how design-build can deliver in all market segments - vertical, water/wastewater, transportation and federal.

Right from the start, "Design Build Delivers" presents extremely useful subjects on public-private partnerships and the ever popular Michael Loulakis series on DBIA Best Practices, including what has happened when they're not followed. The first morning finishes up with an owner's panel staffed by USACE, Jacksonville Energy Authority, and Florida DOT, followed by presentation of over a dozen project awards at lunch. The rest of the conference is organized around three tracks: Water/Wastewater, Vertical, and Transportation. Don't miss the KBR/BRPH/Lou Martinez discussion of the \$ Billion Boeing Dreamliner project!

The Icebreaker is Thursday night, followed by another half day of valuable lessons on projects in the three tracks. Over 300 people are expected to attend and registration is filling up fast. Owner scholarships and room discounts are still available. Contact Lou at 703 628 4826 for details, or e-mail lou.martinez@martinezmgmt.net.

News From Your Post Leadership



The Post leadership welcomes two new chairs appointed by Post President Cecil O'Bryan:

- David Agee, Relationships and Recognition Chair
- Karl McKinster of Jacobs, Awards Chair

We thank Susan Merrigan for her service as Post Awards Chair and hope for the best as she has moved to Washington, DC, and transferred to the SAME DC Post.

The Sustaining Members List is up-to-date on the new Post website at www.SAMESpaceCoast.org, but your input is needed. If your information needs to be added or changed, please e-mail John McGann, Post Web Page Manager, at jmcgann6@cfl.rr.com.

Looking for involvement and networking opportunities? Your SAME Space Coast Post recently has openings in the following areas:

- ✓ Awards Committee
- ✓ Web Page Committee, Web Page Assistance and Facebook Page Management
- ✓ Community Service Committee, FIT & UCF Student Chapter Outreach
- ✓ Programs Committee
- ✓ Membership Committee

If interested, contact Richard Young, Vice President, at richard.young@rsandh.com, or Post Secretary John Constantinide, at john.constantinide@alphamrc.com.

Nominations for the 2014 Board of Directors are being accepted for President, 1st Vice President, 2nd Vice President, Secretary, Treasurer, and three (3) Elected Directors. To nominate yourself or another person, please e-mail John Constantinide. When nominating another person, acceptance of the nomination will be requested by the nominee. Post Committee Chair positions are not elected and will be appointed by the 2014 Post President.

MISSION, VISION and VALUES

The SAME Mission

"To promote and facilitate engineering support for national security by developing and enhancing relationships and competencies among uniformed services, public- and private-sector engineers and related professionals, and by developing future engineers through outreach and mentoring."

The SAME Vision

"To be a premier global engineering organization leading the professional and personal growth of all members in support of military readiness and development of solutions to national security challenges."

The SAME Values

Integrity: Unwavering commitment to always do what is right, regardless of consequences.

Patriotism: Support our national ideals and take pride in our country.

Public Service: Recognize the critical contribution that public servants make in supporting the economic and environmental needs of the nation.

National Security: Recognize the dedication of our national security team, comprised of the uniformed services, civil service and contractors, in defending freedom.

Technical Competence: Deliver high-quality solutions.

Excellence: Strive for the highest standards of performance in all actions, both personal and professional.

Environmental Stewardship: Preserve, protect, conserve and restore our national resources through sustainable practices.