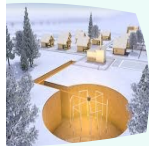




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○ February 2015

○ www.samerobins.org

THE FLYER

Newsletter of the Robins AFB Post: Society of American Military Engineers



President's Corner



Happy New Year (albeit a month late) and Happy Engineer's Week! This is my first opportunity to say that to many of you, so I appreciate having the opportunity after just recently taking over as the Post President for YOUR SAME Post. I can't start out in this role without first thanking Colonel Craig Johnson for his outstanding work as our past President. I appreciate his dedication to this Post, his leadership, and his vision in getting several new initiatives underway and laying out a great road map to follow for years to come. I want to not only keep that momentum going, but I think there are some initiatives we are very close to seeing into reality. Our first opportunity will be with the establishing of a new Student Chapter for SAME at Mercer University. Colonel Johnson and our past Education and Mentoring Director, Eric Roberts, gave us a great start last year and Colonel Johnson has agreed to continue to work on moving us to formally initiating SAME's newest Student Post. Having a Student Post will be a first for most of us and will be a great way for us to continue to reach out to our local community and help educate and mentor the next generation of engineers. Griff Cox, our new Education and Mentoring Director, along with Justin Knight, Assistant Director, have agreed to take the hand off and help us cross the goal line. I know ahead of time that it will take time and commitment for many of us to make it happen, but I am 100% confident that in the future, we will honestly say that it was worth the effort and that we will be glad that we did it. So thanks in advance for the hard work everyone!

Not only do we have a new Education and Mentoring team, we also picked up some other new members to your Post's leadership team: Colonel Gary Schneider is our new Vice President, SMSgt Tony Bourdeau is our new Enlisted Advisor and Anna Jackson is our new Director for Sustaining Member Firms. I appreciate their willingness to step up and help us all, and I look forward to their contributions to our Post, our community, and to SAME as a whole. Likewise I am grateful to have a great team of "returning vetrans" on our leadership team: Esther Lee-Altman, MSgt Melissa Broussard, Nancy Manley, James Griffin, Ken Branton, Joe Ballard, Kevin Long, and Steve Hvizdzak. These folks are the ones that just keep coming back! They really keep our Post moving, and I really appreciate their time, efforts, and talents.

Again, happy new year--a chance to start some new work, continue some on-going work, and meet a great group of

SAME National Focus Areas

1. Ensure Vibrant and Value Added Programs—Create Value for All
2. Support STEM—Share Your Passion, Grow Your Replacement
3. Focus on Veteran Transitions—Help 6,000 military transition from Service over the next 4 years

local engineers and scientists along the way. Who do you know that could become a new member? Who do you know that can make a great technical presentation at one of our meetings? What companies do you work with that could become a sustaining member firm and join us? What do you hope to get out of your SAME membership this year? How can we help educate and mentor young and aspiring engineers and scientists? How can we better support our local community and fellow engineers? Our Post has over 160 members. It would not take much effort from 160 or just half or a quarter of that number to make our Post the most productive, enjoyable, useful, and beneficial organization to be part of. All it takes is answering these few questions to get started. If you have any ideas or answers, just let me know.

Thanks,
Mike Coats

Happy Engineers Week from SAME!

Engineers Week is the catalyst that sparks organizations and volunteers to make a difference by engaging students in engineering and celebrating the profession. This year's theme is Engineering New Horizons.

Engineers Week—the only event of its kind—is a time to:

- ◆ Celebrate how engineers make a difference in our world
- ◆ Increase public dialogue about the need for engineers
- ◆ Bring engineering to life for kids, educators, and parents

More than a week-long event, Engineers Week is a year-round commitment to making a difference. Engineers Lead the Way!



Presenter's Bio



Mr. Sullens has 7 years of experience in the investigation, design and construction of heating, ventilating and air conditioning (HVAC) systems. He has designed a wide variety of HVAC systems for various facilities but his specialty is related to the Geothermal Heat Pump (GHP) field. Specifically, he has experience and knowledge of executing building energy simulations and Geothermal Heat Pump Ground Loop Heat Exchanger (GHX) computer modeling for the purposes of sizing geothermal well fields by utilizing a wide variety of software and analysis programs.

He also is an expert in performing all field work and in-office data analysis associated with In-Situ Thermal Conductivity Testing (TCT) and Analysis for GHP systems with Borehole/GHX systems. He has field experience within industrial and commercial facilities includes airflow, pressurization, temperature and relative humidity analysis, which are used for submitting recommendations to clients to solve a variety of HVAC problems.

Much of this experience has been in the design of HVAC systems for colleges/universities, U.S. Department of Defense (DoD) and industrial/institutional facilities. As both a geothermal heat pump engineer during the HVAC design phase and commissioning assistant at the end of many Geo project's, Stephen is typically involved in a project from beginning to end.

Preview of February 2015 SAME Presentation entitled "Geothermal Heat Pumps: USTES Project Update". This presentation will be given by Stephen Sullens of Andrews, Hammock & Powell, Inc.

Underground Thermal Energy Storage (UTES) is the concept of storing excess heat in the ground in the summer, to then be extracted in the winter. Renewable energy sources such as solar thermal produce most of their heat when it is not required and hence, it is wasted. For this reason, it is becoming increasingly common to use integrated seasonal heat storage to improve the total system efficiency.

Our presentation will give an overview of the fundamentals of UTES systems and then go into more detail about two Georgia-specific UTES systems, one at the Marine Corps Logistics Base (MCLB) and one at Ft. Benning. The one in MCLB is a bore hole thermal energy storage (BTES) system and the one in Ft. Benning is an aquifer thermal energy storage (ATES) system.



The next Robins Post General Meeting will be held on **18 February 2015 at 11:30 am.** The meeting will be held **OFF BASE** at our usual location, the China Buffet (605 Russell Parkway, Warner Robins 31088). All are welcome.

UPCOMING DATES FOR 2015:

18 February: 1130 Hours: SAME General Meeting immediately preceded by SAME Robins Post Board/Officer's Meeting. A presentation on Geothermal Heat Pumps as Energy storage units will be given by Andrews, Hammock & Powell, Inc.

21 February: 8:30—12:30 Hours: MATHCOUNTS competition at Mercer University.

22-28 February: Engineers Week



ATTENTION! ATTENTION!

The 2015 Robins SAME Post Scholarship applications and Engineering Summer Camps forms are available on our website: www.samerobins.org and have been sent to the local area high schools. Deadline for applying is 16 March. Feel free to talk to any board member for more details.



Sustaining Spotlight: AECOM

Since it was launched as an independent company in 1990, AECOM has become one of the largest providers of professional, technical, and management support services in the world. AECOM has grown and diversified through corporate expansion and acquisition activities, significantly broadening the company's service offerings and geographic reach.

AECOM opened the Warner Robins, Georgia office in 1994 with a dedicated mission of supporting Robins Air Force Base (AFB) efforts. Select project activities performed at Robins AFB over the past 20 years include the design, build, and operation of the Groundwater Treatment Plant, wetland remediation/restoration, air quality, management system support, and soil/groundwater remediation.

It is with proud distinction that AECOM has been ranked by The Ethisphere Institute as one of the world's most ethical companies in 2011, 2012, 2013 and 2014.

Ranked as the #1 engineering design firm in Engineering News-Record magazine's annual industry rankings, AECOM is a premier, fully integrated infrastructure and support services firm, with a broad range of markets, including government, transportation, facilities, energy, water, and environmental. With approximately 50,000 employees — including architects, engineers, designers, planners, scientists, and management and construction services professionals — serving clients in more than 150 countries around the world, AECOM is a leader in all of the key markets that it serves. AECOM provides a blend of global reach, local knowledge, innovation and technical excellence in delivering solutions that create, enhance and sustain the world's built, natural and social environments.

SAME MISSION

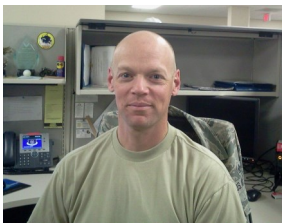
"To provide education and support to the engineering components of the military and uniformed services, and other federal, state and local government agencies responsible for the nation's infrastructure, and to advance the partnership between government and the architecture, engineering and construction industry in the interest of national security."

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."



SAME Spotlight: Member of the Month



Senior Master Sergeant Anthony "Tony" Bourdeau is the Robins SAME Post Senior Enlisted Advisor and is the Command Civil Engineer Formal Training Superintendent, Headquarters Air Force Reserve Command. He oversees CE formal and contingency training initiatives at 9 host and 57 tenant locations throughout the United States supporting over 5,000 Citizen Airmen in 3 numbered air forces and 34 wings. Additionally, he provides training oversight for nearly 200 Individual Mobilization Augmentees, 31 Prime Base Engineer Emergency Force units and 6 Rapid Engineer Deployable Heavy Operational Repair Squadron Engineer units.

SMSgt Bourdeau is a native of Swanton, Vermont and entered active duty in 1996. He moved to Robins AFB in April 2014. His military experience includes projects with electrical distribution (low/high voltage), air-field lighting, cathodic protection, lightning protection, fire alarms, sub-stations, and power plant installation/maintenance. He has deployed in support of Operation Southern Watch and Operation Enduring Freedom. His previous assignment was as the lead Electrical Systems Instructor at the Expeditionary Combat Support-Training & Certification Center Dobbins ARB, GA. He is currently working towards a BAS in Energy Management from Bismarck State College. SMSgt Bourdeau is married with three children. He enjoys traveling, riding motorcycles and long distance running.

Troop 220 Update for 2015

Boy Scout Troop 220 completed another spectacular year of scouting in 2014, marking the 57th year of operation for the unit (established on Base in 1956). This fact makes them among the oldest, active scouting units in the Middle Georgia area. The Troop is open to all boys 11-18 years of age, who have Base access privileges (dependents of active military, National Guard, Federal civilian employee and retiree status for any of the above categories).



The Troop has remained very active in the Central Georgia Council scouting program, participating in many camping and scout related activities as well as taking a more active role on Base. In October the Scouts manned an information booth at the Base's Fall Bash event and in November the Troop assisted Outdoor Recreation with their Base Camp – Overnight Camping Event, by providing camp cooking demonstrations and teaching map and compass skills. In 2014, Scout Cody Peets attained his Eagle Scout Rank while Eagle Scout Garrett Cox went further and obtained his Bronze Palm, which is the next step after obtaining Boy Scouts of America's highest rank. In 2015 the Troop expects two more deserving scouts to be joining Cody and Garrett at the rank of Eagle Scout. These two young men are currently planning their Eagle Scout Service Projects. They are working with the Warner Robins Lion's Club to establish Houston County's first handicapped accessible playground, which will be located on Moody Road near the Bay Gall Creek Bridge.

Troop 220 sincerely appreciates the support of SAME Robins Post as the Charter Organization that makes continued operations of the unit on Base possible. The Troop is always looking for worthwhile public service projects, both on Base as well as in the greater community area. We would enjoy partnering up with SAME if such an event would ever arise. If you have a service project idea or want additional information on the Troop, Contact Griff Cox (SAME Education and Mentoring Chair) at 478-542-1335.



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SAME Robins Post Sustaining Member News

Are you with a Sustaining Member Firm?

If you would like to become one, or if you are not sure of your company's registration status, please contact Ms. Anna Jackson, our Sustaining Member Director, at 478.397.0997 or at: ajackson@cticompanies.com.

Accepting Abstracts

We are accepting abstracts for presentations for 2015. Let us know what presentation topics, presenters, or tour ideas would most interest you. We want to know what is important to you. Please contact Mr. Ken Branton at: Kenneth.Branton@aecom.com with feedback or for more information.