Society of SAME American Military Engineers

An Original Post, Chartered in 1920

Vol. 53 No. 2
February 2013

Streamer Grand Slammer & South Atlantic's Distinguished Post

EngAffect Jacksonville Post

Affecting the Future through Engineering Partnerships

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Find Out More:

www.same.org
www.samejax.org

Jax Post Promotes Local Engineers Week Events

Engineers Week 2013 February 17–23

Founded in 1951 by the National Society of Professional Engineers, Engineers Week is celebrated annually by thousands of engineers, engineering students, teachers, and leaders in government and business. For many years, Jacksonville Post has played a big role celebrating, awarding and educating during National Engineers Week. Although many activities take place throughout February and March, Engineers Week is officially celebrated from February 17 through 23 this year.

The Northeast Florida E-Week Committee will kick-off Engineers Week on **Friday, February 15th** with the **E-Week Kick-off Luncheon** *(see pg 5)* and culminate on **Saturday, March 2**,with the **Awards Banquet** *(see pg 6)*. See the *agenda on page 3* or go to the northeast florida website at www.nefl-eweek.org to learn about local engineering events.

This year's theme is "Celebrating Awesome You!" —engineers, engineering students, and technicians—and all of the amazing things you do everyday to make the world a better place.

The Jacksonville Post is proud to partner with other engineering societies to support Engineers Week while showing the importance of our profession and how it enhances the way in which we all live.

DO YOU KNOW?

George Washington and Engineering



It's no coincidence that the establishment of National Engineers Week falls within George Washington's birthday. Called America's first engineer, on June 9, 1778, at Valley Forge, Pennsylvania, GEN Washington issued a call for engineers and engineering education. This order is considered the genesis of

Continued on Page 4



CELEBRATE AWESOME

Jacksonville Post
February Opportunity

DATE: Wednesday, **February 27**, 2013

LOCATION: Ramada Inn –Mandarin
3130 Hartley Road
Jacksonville, Fl 32257

AGENDA: 1130 - 1200 Registration and Socializing
1200 - LUNCH

TOPIC: **Military Projects throughout Southwest Asia**

Five months after receiving his commission, Lt Rivera was called to serve with his USAF unit, the 202nd RED HORSE Squadron. Lt Rivera's tour of duty was throughout Southwest Asia in support of Operation Enduring Freedom. With almost no experience in field construction, he was sent to lead a group of 27 troops in Manas, Kyrgyzstan and a group of 30 troops in Regional Command West, Afghanistan. Despite the many challenges, Lt Rivera's troops were able to complete four projects in six months: Two K-Span buildings, two power substations and the expansion of a Forward Operating Base. The base expansion project was at the time the number one priority project for USFOR-A and CENTCOM in Afghanistan. These projects were essential in providing mission support for air refueling missions and support for Afghan Border Security. The presentation will provide an overview of construction of these projects.

COST: $18.00 ($20 w/o reservation)

BUFFET LUNCH MENU:

Garden Tossed Salad and Caesar Salad,
Herb Baked Quartered Chicken and Baked Tilapia w/dill sauce,
Green Beans, Garlic Mashed Potatoes, Wild Mushroom Risotto
Selection of baked pies, cakes and mousse,
Rolls, butter, coffee (reg & decaf), tea, lemonade

SPEAKER



2nd LT Mike Rivera
USAFR, 202nd Red Horse Squadron
Camp Blanding, FL and
Hydraulic Engineer
US Army Corps of Engineers
Jacksonville District

RESERVATIONS: *RSVP to Ron Hilton, rhilton40@att.net by noon, **February 21 , 2012.*** Please make your reservation if you are planning on attending. Walk-ups will pay $20.00. Please provide exact amount when paying cash and if paying by check make the check payable to "SAME" **. PLEASE NOTE THE INCREASE OF COST TO $18.00**

PROFESSIONAL DEVELOPMENT HOURS (PDH)

This luncheon will earn 1 PDH. For Florida Professional Engineers, if you desire PDH credit, please provide your name as it appears on your PE License (first. middle initial, last) and your Florida Professional Engineer License number when you make your reservation in order to get the 1 PDH credit. As you know, there is no self reporting in Florida. A PDH certificate will be provided for other states for attendees to pick up.

Engineers Week 2013 NE Florida Schedule



Washington and Engineering

Continued from Page 1

a US Army Engineer School, which found its permanent home at Fort Belvoir, Virginia, where Washington had practiced surveying. As President, (1789-97), Washington pushed for the passage of the first US Patent Act in 1789, and signed the first official US patent the process of making potash and pearl ashes.

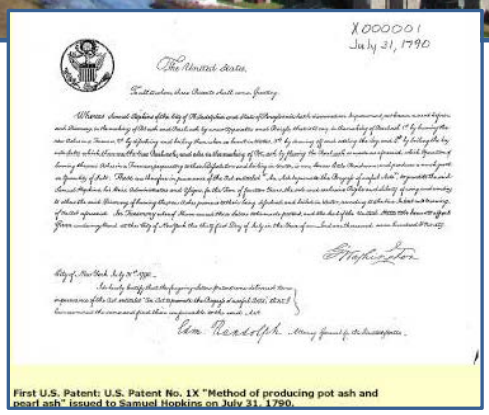
In 1794, President Washington established a Corps of Artillerists and Engineers to be educated and stationed at West Point in New York, which later become the US Military Academy at West Point.

From transportation to education, Washington's engineering vision proved to be ahead of its time. After his death in 1799, many of the technologies he supported provided an impetus to the American Industrial Revolution. New York's Erie Canal (1817-25) was built, and canals soon crisscrossed America east of the Mississippi. By the 1830s, the nation's population tripled, traveling west through canals, along rivers, and across new roads and bridges. The Army Corps of Engineers began many of these projects.

By the middle of the century, the railroads become the favored mode of transportation. As a result, America had gone west and Washington's vision was realized.



US Military Academy at West Point



First U.S. Patent: U.S. Patent No. 1X "Method of producing pot ash and pearl ash" issued to Samuel Hopkins on July 31, 1790.

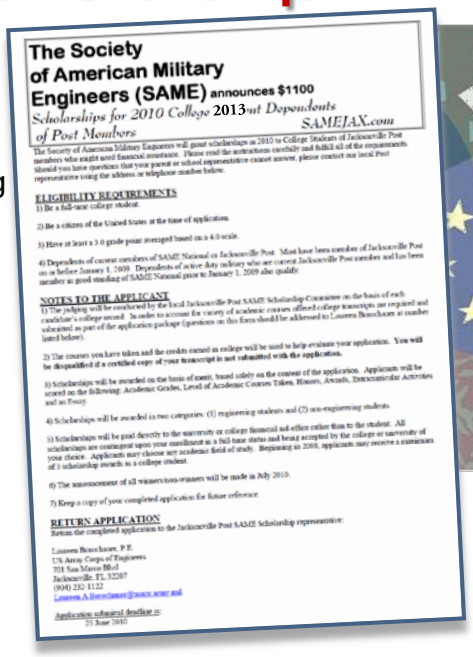
Left: First US Patent

High School/College Scholarship Time

The 2013 Jacksonville Post SAME Scholarship Requirements and Applications for the 2013 High School and College Scholarships are on the web site at www.samejax.org.

Dependants of Jacksonville Post Individual and Sustaining Member representatives are eligible for the scholarships. The Jacksonville Post Individual and Sustaining Member representatives must currently be members and have been members of the Jacksonville Post prior to January 1, 2012. Page 5 of the High school Application and page 1 of the College Application asks for the name of the parent or guardian, SAME Post Affiliation and Number.

To be eligible for the dependant scholarship it must say Jacksonville Post for the Post affiliation. The member number is on "THE MILITARY ENGINEER" label above the name. If any questions, please contact Carlos Cepero at 904/232-2549.



The Society of American Military Engineers (SAME) announces $1100 Scholarships for 2010 College 2013nt Dependents of Post Members

SAMEJAX.com



ENGINEERS WEEK

2013

FEBRUARY 17-23

Northeast Florida Engineers Week

www.nefl-eweek.org

Promoting Engineering for Future Generations

KICK-OFF LUNCHEON

FRI., FEB. 15, 2013

LOCATION

UNF
UNIVERSITY CENTER
12000 Alumni Drive
Jacksonville, FL 32224

COST

$25.00 PER PERSON

FOR MORE INFO

TOAN NGUYEN
904.422.2117
tnguyen@cwieng.com

www.nefl-eweek.org

Join Us For Lunch At The

2013 Engineers Week Kick-Off Luncheon
Friday, February 15, 2013

10:00: UNF Vendor Showcase
11:00: Registration
Noon: Lunch/Program
12:20: Scholarship Presentation

RSVPs Are Requested By Close Of Business On
Friday, February 8th

Advance Registration Is Required – No Shows Will Be Invoiced

Please forward your RSVP to Toan Nguyen via email:
Email: tnguyen@cwieng.com

Include Entrée Selection with RSVP
Rosemary Chicken or

Roasted Vegetable Pasta

Prepayment: Please make check payable to ASCE and mail to:
Toan Nguyen, E.I.
Connelly & Wicker Inc.
10060 Skinner Lake Drive, Suite 500
Jacksonville, FL 32246

Organization: _____

Point of Contact: _____

Ph: _____ Email: _____

NAME Package	ENTRÉE	Ticket Through Sponsorship Package** sponsor

**Please note company name if attendance is part of a Sponsorship Package.

Northeast Florida Engineers Week

Promoting Engineering for Future Generations

AWARDS BANQUET
Saturday
March 2, 2013

LOCATION
Hyatt Regency
Jacksonville - Riverfront
225 East Coastline Drive
Jacksonville, FL 32202

DRESS
Evening Attire

COST
$65.00 Per Person
Includes Self Parking Costs
Cash Bar

FOR MORE INFO
Jenna Jakes, PE
904-256-2286
jenna.jakes@rsandh.com
or
Janet Duffy
904-733-1478
jduffy@eismanrusso.com

LODGING
A block of rooms is reserved for $129.00 plus taxes for single/double occupancy for city view rooms.

For reservations call 800-233-1234 and ask for Engineers Week rate.

www.nefl-eweek.org

Join us for Dinner and Dancing at the
2013 Engineers Week Awards Banquet

6:00 - 6:45	Registration/Social
6:45 - 8:00	Opening Comments/Dinner/Guest Speaker
8:00 - 9:30	Awards and Presentations
9:30 - 11:00	Dancing with music provided by DJ

Guest Speaker



Florida Representative Daniel Davis

RSVPs are requested by the close of business on Wednesday, February 20

****Advance Registration is Required - No Shows will be Invoiced****

Please forward your RSVP to Faith Kummerlen-Sines:
E-mail: **faith.sines@rsandh.com** Phone: **904-256-2132** Fax: **904-256-2501**

Prepayment – please make check payable to **NE FL Engineers Week** and mail to:
Faith Kummerlen-Sines
RS&H
10748 Deerwood Park Boulevard South
Jacksonville, FL 32256

Payments can also be made via PayPal at:
www.nefl-eweek.org, then choose sponsorships

Name and Contact Number	Entree Selection*	Ticket through Sponsorship Pkg?**

* Entree choices: salmon *(seared with fennel, cucumber and tomato relish)*
pork *(grilled medallions with roasted plum demi and four cheese polenta)* or
vegetarian

** Please include company name if attendance is part of a Sponsorship Package

E-WEEK 2013 UNF SCHOLARSHIP GOLF OUTING REGISTRATION FORM

When:	Monday, February 18, 2013	Registration/Breakfast: Shotgun start:	7:30 AM 9:00 AM
Where:	DeerCreek Golf and Country Club		
Format:	2-man Captain's Choice		
Lunch:	Buffet		
Prizes:	Top finishers and on-course contests		
Why:	Engineers Week Scholarships to Highschool and College students		

Participation Levels (choose one):

☐ Twosome ($300)	Includes 2 golfers with breakfast, lunch, range balls, prizes.
☐ Foursome ($500)	Includes 4 golfers with breakfast, lunch, range balls, prizes.
☐ Hole Sponsor ($600)	Includes 4 golfers, breakfast, lunch, range balls, prizes, & Pin Flag With Sponsor logo in support of eweek suitable for framing.
☐ Breakfast Sponsor ($700)	Includes 4 golfers, breakfast, lunch, range balls, prizes, & Pin Flag With Sponsor logo in support of eweek suitable for framing, and Breakfast Sponsor Signage.
☐ Lunch Sponsor ($800)	Includes 4 golfers, breakfast, lunch, range balls, prizes, & Pin Flag With Sponsor logo in support of eweek suitable for framing, and Lunch Sponsor Signage.
☐ Beverage Sponsor ($900)	Includes 4 golfers, breakfast, lunch, range balls, prizes, & Pin Flag With Sponsor logo in support of eweek suitable for framing, and Beverage Cart Sponsor Signage.

Player Information:

Team 1
Name _____ Handicap ____, Partner _____, Handicap _____

Team 2
Name _____ Handicap ____, Partner _____, Handicap _____

Contact Information:

Company Name _____

Contact Name _____, Authorized Signature: _____

Address: _____

Phone: _____, Fax: _____, Email: _____

Checks should be made payable to the **NE FL Engineers Week** and mailed with this registration form on or before Tuesday February 12, 2013 to:

David G Cook
Professional Promotions & Planners
1796 State Road 13
Jacksonville, FL 32259

Phone: (904) 993-8668
FAX: (904) 212-0439
Email: dgcook56@comcast.net

****** NEW! SPONSOR AND PAY ON-LINE USING DEBIT OR CREDIT AT www.nefl-eweek.org ******

NEW DATE

ENGINEERS WEEK 2013 SERVICE PROJECTS

BUILDERS CARE

When: **Saturday, February 16, 2013**
Time: 7:30 AM
Limited to: As Many as will come
Location: Municipal Stadium (East Side)
RSVP: Janet Duffy – jduffy@eismanrusso.com

Please join fellow Engineers to provide service back to our community through our Builders Care Service Project. The work is focused on helping repair home for the elderly on fixed incomes who would not be able to afford to the repairs themselves. This is a great uplifting project and will be well worth the time. The project should be complete by 3:00 PM with Lunch provided. Please visit their web page @ http://www.builderscare.org for more information.

Ross Shares Navigation Benefits with Jax Harbor Mile Point Study

Dwyn Taylor, Vice President, Stellar Commercial and President, Jacksonville Post, presided over the luncheon meeting on January 23, 2013 with 88 persons in attendance. This meeting marked the first Sustaining Member firms "snapshot" portion where selected firms (see page 12 for the schedule) discuss their firms capabilities and any other hot topics. This inaugural snapshot spotlighted AMEC (Mike Holms) and Atkins (Eugene Yerkes).

With February being a bevy of activity celebrating National Engineers Week, various members talked about sponsors needed for Career Day at the Prudential Building and volunteers wanted for the Mathcounts Student Competition at UNF, both events on February 22. Gina Hill also made a "Save The Date" announcement regarding a FSEA seminar scheduled for the entire day of February 19 at The Haskell Company.

After a great lunch, Taylor introduced the speaker, Steve Ross, U. S. Army Engineer District (USACE), Jacksonville. Ross currently serves as a Senior Project Manager on navigation and shore protection projects in Florida and is responsible for coordinating and executing projects throughout the planning, engineering, construction, and operations and maintenance phases. He has been the Jacksonville Harbor project manager since 2002.



Steve Ross, Senior Project Manager, USACE, Jacksonville District, discussed the Jacksonville Harbor Mile Point Navigation Study.

Ross's presentation focused on the Jacksonville Harbor Mile Point Navigation Study. Mile Point is located approximately four miles west of the Atlantic Ocean along the St. Johns River just east of the confluence of the St. Johns River and the Intracoastal Waterway (IWW). The Mile Point Training Wall lies just east of the IWW and along the south bank of the St. Johns River. The project purpose is to address difficult crosscurrents exiting at the IWW into the St. Johns River and the federal navigation channel. USACE proposes to reconfigure the existing training wall and redirect the crosscurrents to be more in line with the St. Johns River and the federal navigation channel.



Aerial view of Jacksonville Harbor Mile Point.

The project would provide navigation benefits as well as reduce erosive forces along the Mile Point shoreline. The presentation provided an overview of the project aspects including engineering and environmental features and current status. The presentation slides and details are on the Post web site at www.samejax.org

Ross was presented a Jacksonville Post SAME mug as a thank you for his presentation at the conclusion of the program.

FLORIDA STRUCTURAL ENGINEERS ASSOCIATION
Northeast Florida Chapter

FSEA February Seminar Opportunity

DATE: Tuesday, February 19, 2013

TOPIC: **"Practical Antiterrorism Design of Military Facilities"**
See the attached page for a complete description of the topic.

SPEAKER: Mr. Jon A. Schmidt, PE, SECB, BCSP
Director of Antiterrorism Services
Burns & McDonnell, Kansas City, Missouri
See the attached biography for more information on our nationally recognized speaker

PDH CREDITS: 8.0 PDH credits will be provided. Handouts will be distributed electronically to registered attendees prior to the seminar.

TIME:

Sign-in	7:15 am – 7:30 am
Breakfast	7:30 am - 8:00 am
Presentation Part 1	8:00 am - 12:00 pm
Lunch	12:00 pm - 1:00 pm
Presentation Part 2	1:00 pm – 5:00 pm

LOCATION: Haskell Development Center
111 Riverside Avenue
Jacksonville, FL 32202

COST:

FSEA Members	$300
Non Members	$400
Students	$100

Payment by cash or check (preferred) due at the door
(note: we are working on setting up a PayPal account for this seminar and if we are able to do so you will be notified on a follow up reminder announcement)

Breakfast and Lunch will be provided

Please Note: Due to charges being passed on to NE FSEA, cancellations after 5:00 pm on Friday February 15th, 2013 or no shows, will be charged $100.. We are sorry for any inconvenience.

RSVP by 12:00 Noon on Friday February 15, 2013

RSVP to: Mark Miller Ph. 262-4000 Fax 262-4100
E-mail MMiller@SEGonline.com (preferred)

Continued from Page 1

FSEA February Seminar Opportunity

Continued from Page 1

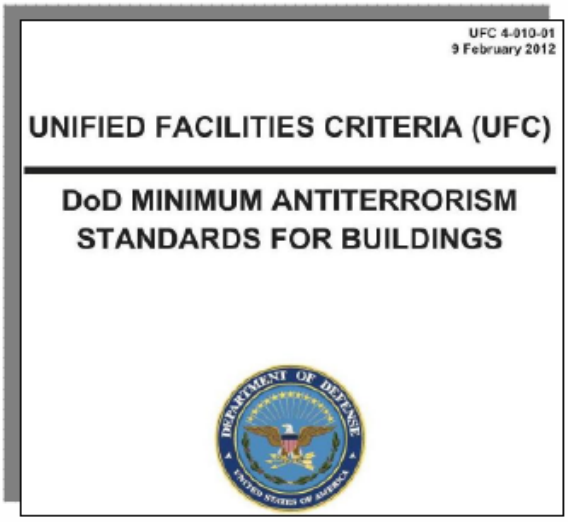
Practical Antiterrorism Design of Military Facilities

Abstract

Various terrorist attacks over the last 30 years have considerably increased the perceived risk of similar incidents at other facilities, especially those routinely occupied by military personnel, and a vehicle bomb has been the most common weapon of choice. In the past, mitigation of this threat has been the exclusive domain of a handful of expert firms and individuals utilizing highly specialized techniques and tools. Today it is important that "ordinary" structural engineers have at least some awareness and capability in this area—something that is now possible, thanks to simplified analysis and design methodologies and user-friendly computer programs.

This one-day seminar will address the following topics, with detailed design examples illustrating the procedures discussed:

- UFC 4-010-01, *DoD Minimum Antiterrorism Standards for Buildings*
- Other applicable Department of Defense criteria
- ASCE/SEI 59-11, *Blast Protection of Buildings*
- Non-structural strategies for effective risk reduction
- Uncertainties and assumptions inherent in blast effects analysis and design
- Characterization of blast loading on affected elements
- Selection of appropriate response limits for the specified level of protection
- Vulnerability assessment using pressure-impulse diagrams
- Dynamic and equivalent static analysis using single-degree-of-freedom models
- Glazing hazard evaluation using software or equivalent wind pressures



Particular emphasis will be placed on the most significant changes in the latest version (9 February 2012) of UFC 4-010-01 and how they impact the structural design of inhabited buildings.

Biography

Jon A. Schmidt, PE, SECB, BSCP, is an associate structural engineer and the Director of Antiterrorism Services at Burns & McDonnell in Kansas City, Missouri. He is a nationally recognized thought leader in the engineering profession and a frequent author and speaker on the design of buildings to mitigate terrorist attacks and other intentional threats. Mr. Schmidt has been prominently involved in the development of standards and guidelines for facility security and blast resistance, having served as a member of the Board of Directors of the Building Security Council (BSC) and vice-chair of the SEI Codes & Standards Committee on Blast Protection of Buildings. Mr. Schmidt also serves as Chairman of the Editorial Board for Structure Magazine.



Sustaining Member Briefings Schedule 2013

Background: For 2013, the Jacksonville Post is offering Sustaining Member firms the opportunity to submit an article on their company for the monthly newsletter and to have a two to three minute briefing to discuss their firm at the monthly meeting (no PowerPoints). A list of sustaining members is listed below with each member's assigned month. Forward articles to Ron Hilton at rhilton40@att.net and contact for more information. *Deadline:* 25th of each month; *Maximum Copy:* little less than 3/4's of a Word document page, single-spaced, averaging 32 lines or 10 words per line at 10 point size type (around 320 words). Medium resolution company logo in jpg format also needed.

JANUARY 23
Accutest Laboratories
AECOM
Aerostar SES LLC
Aerotek, Inc.
AKEA, Inc.
AMEC Environment & Infrastructure
American Fidelity Group Applied
American Patriot Construction, Inc.
ARCADIS
ASSET Group
Atkins
AVCON, Inc.

FEBRUARY 27
Ayres Associates
Balfour Beatty Construction
Barton Malow Company
Baslee Engineering Solutions, Inc.
Battelle
Bauer Foundation Corp.
Bergmann Associates
Bhate Environmental Assoc. Inc.
Brasfield & Gorrie, LLC
Brown and Caldwell
Burns & McDonnell
Cardno TBE
Cardo TEC, Inc.

MARCH 27
Carothers Construction, Inc.
Castle Engineering, LLC
CCI, Inc.
CDM Smith
CEMS Engineering, Inc.
CH2M Hill
Civil Services, Inc.
CORE Engineering and Construction, Inc.
CSA Group
CTI and Associates, Inc.
DCK Worldwide
Dial, Cordy & Associates, Inc.

MAY 29
Dougherty Sprague Environmental, Inc.
Dyer, Riddle, Mills & Precourt, Inc.
EAC Consulting, Inc.
ECC
Elkins Constructors, Inc.
EMCOR Government Services, Inc.
EnSAFE, Inc.

MAY 29 Continued
Environmental Consulting & Technology, Inc.
Environmental Services, Inc.
FLUOR
Fugro Consultants, Inc.
Gannett Fleming, Inc.

JUNE 26
Gate Precast
GCR, Inc.
GEC, Inc.
GeoSyntec Consultants, Inc.
GLE Associates, Inc.
Golder Associates, Inc.
Government Services Integrated Process Team LLC
Greenhorne & O'Mara, Inc.
Greenman Pedersen, Inc. (GPI)
Ground Hound Detection Services, Inc.
Hatch Mott MacDonald
HDR

AUGUST 28
HNTB
Huryn Justice General Contractors
Islands Mechanical Contractor (IMC).
ITSI Gilbane
J2 Engineering, Inc
Jacobs
Jones Edmunds & Associates, Inc.
Keville Enterprises, Inc.
Kiewit
Kira, Inc.
LG2 Environmental Solutions, Inc.
Lowe Engineers

SEPTEMBER 25
MacDonald-Bedford LLC
Manhattan Construction Company
Manson Construction Co.
Mason & Hanger
Meskel & Associates Engineering
Michael Baker Corporation
Moffatt & Nichol
MWH
NAVFAC Southeast-Jacksonville
NewFields Government Services, LLC
Nobles Consulting Group, Inc.
Odebrecht Construction, Inc.

OCTOBER 23
Parsons
PCL Construction Services, Inc.
Pond & Company
Premier Communication Group, Inc.
Procurement Technical Assistance Center
Project Time & Cost, Inc.
Reynolds, Smith & Hills, Inc.
Richard L. Bowen & Associates, Inc.
Royal Concrete Concepts
Sauer, Inc.
Science Applications International Corp.
Scif Global Technologies

NOVEMBER 27
Shannon and Wilson, Inc.
Siemens Industries, Inc
Singhofen & Associates Inc.
Southeastern Archeological Research, Inc.
Stanley Consultants, Inc.
Stellar
Taylor Engineering, Inc.
Tetra Tech
The Atlantic Group, LLC
The Carol Group
The Crom Corporation
The Haskell Company

DECEMBER 18
The R-A-M Professional Group, Inc.
The Shaw Group, Inc.
The Walsh Group
Timberwind Construction LLC
TLC Engineering
Transystems
URS Corporation
Van Wagenen and Beavers, Inc.
VoltAir Consulting Engineers
Weston Solutions, Inc.
Wolverton & Associates, Inc.
Woolpert
Zyscovich Architects, Inc



Sustaining Member Snapshots 2013

AFG

AMERICAN FIDELITY GROUP

ENGINEERING · CONSTRUCTION · SURVEYING

American Fidelity Group (AFG) is a Service Disabled Veteran owned, consulting engineering and surveying firm helping public and private clients improve infrastructure and the environment. We believe today's engineering requires a combination of science, art and creative design to overcome the myriad of today's challenges.

Founded in 1989, and with offices in Pensacola and Jacksonville, this geographic region allows AFG to efficiently utilize the services of its professional staff from any office, on any job while managing the project from its nearest and most practical location.

AFG's mission is to build strong client relationships based on mutual trust and respect, by repeatedly demonstrating a commitment to quality and integrity.

AFG also provides professional/technical staffing services for solving our customers and partners challenges. In addition to providing mission-critical support AFG can help our large business partners meet their subcontracting goals. AFG is available to work from your facility, our offices, or in the field.

AFG primarily works for the federal government and their prime contractors. We actively pursue valued partners and team members so that we can provide the strongest, most effective solutions possible for our clients. We take pride in the fact that we provide innovative solutions that improve infrastructure while promoting responsible stewardship of our planets resources, which will improve life for generations.

amec

AMEC's (formerly known as MACTEC) employs approximately 27,000 people in 40 countries worldwide, providing multidiscipline solutions through environmental services, program management, geotechnical engineering water resource services, materials testing and engineering to both public and private clients. AMEC's Florida operation employs nearly 500 people in 16 full-service offices throughout the state.

AMEC's Jacksonville office is dedicated to the consistent achievement of the industry leading standards of excellence in Environmental sciences and remediation, Geotechnical, Construction Materials Testing, Engineering and Inspection, Emergency Operations Management as well as Building Sciences.

AMEC Jacksonville brings over 56 years of experience in providing consulting engineering services to clients such as the Federal Government (NAS Jacksonville, NAS Mayport, former NAS Cecil, and Kings Bay); municipalities, schools, higher education institutions, commercial and industrial entities, transportation clients such as Florida Department of Transportation, Jacksonville Transportation Authority as well as Port and Rail including Jacksonville Port Authority, New York, New Jersey Port Authority, CSX Transportation and Norfolk Southern.

We have more than 2,000 square feet of geotechnical laboratory facilities and more than 2,000 square feet of materials testing laboratory.

Our staff consists of Professional Engineers, Professional Geologists, Environmental Scientists, Emergency Operations Managers, Inspectors and Technicians.

Some of our high visibility projects include: Bridge of Lions Rehabilitation, World Trade Center Steel Inspection, The Strand Condominiums, The Peninsula Condominiums, Wolfson's Children's/Baptist Adult Tower, and JEA Cooling Tower, D.R. Horton national due diligence and the Army Corps of Engineers Core Drilling and Laboratory contract and several large bridge inspection projects for the New York/New Jersey Port Authority. Currently we are providing Emergency Operations and Management support for the Presidential Inauguration in Washington, D.C.



Sustaining Member Snapshots 2013

ATKINS

PLAN, DESIGN, and ENABLE. Atkins is one of the world's leading engineering and design consultancies. Established in 1938, we are a multidisciplinary A-E and environmental firm providing planning, design, environmental, and construction management services across the United States, Europe, the Middle East, and the Pacific Rim. Our experience in the most vibrant markets in the world allows us to deliver the best, most up-to-date technical solutions to our clients' by sharing expertise and knowledge on a worldwide scale.

Our skills lie in the expansive area of infrastructure; encompassing buildings, land, sea, and air transport; information communications and security systems; and utilities (including energy and water); as well as our experience working for a broad range of clients. The social and environmental framework of our work is crucial, and we view all our projects in the context of the communities in which they are delivered.

Although we are a large firm, Atkins understands the vital importance of being "local"— of having deep roots in the communities in which we live and work. Our understanding of local requirements, practices, and culture allows us to be true partners with our clients. Within the Southeast region, we have been engaged in over 100 federal planning, design and design-build projects over the past 5 years, including:

- **USAF** projects at Eglin, Patrick, Tyndall, MacDill, Moody AFBs, Hurlburt Field, and Jacksonville FANG;
- **US Army** projects at Fort Stewart, Fort Benning, Southern Command, Hunter Army Airfield, Fort Gordon, and Fort Jackson;
- **USACE Civil Works** projects in Florida, Missouri, Louisiana, and across the Gulf Coast;
- as well as projects for the **USCG, National Guard, GSA**, **USPS**, **EPA**, and **FEMA**.

Whether it's the plan for a new town, concept for a new water resource system, the modeling of a flood defense system or the improvement of an asset management system, **we plan, design and enable solutions**.

For additional information about Atkins, please contact Eugene H. Yerkes, PE, AICP, F.SAME at 904-363-6100, or at Eugene.Yerkes@Atkinsglobal.com. Also visit our website, www.Atkinsglobal.com. We look forward to working with you in the future.

Thank you.

AYRES ASSOCIATES

Ayres Associates is a multi-specialty planning and engineering consulting firm with 13 offices in seven states. Our offices are in Florida (Jacksonville, Sarasota, and Tampa), Georgia (Atlanta), Minnesota, Wisconsin, Colorado, Arizona, and Wyoming. Our 270 professionals provide civil, transportation, water resource, structural, and environmental engineering; structural inspection; hydraulic modeling; geospatial, mapping, and survey services; architecture and landscape architecture; and construction administration. We have worked with U.S. Army Corps of Engineers districts, Defense Mapping Agency, Air National Guard, U.S. Air Force, FEMA, EPA, USFWS, and other federal agencies.

Ayres Associates was founded in 1959 by Owen Ayres, a structural engineer who instituted many of the practices our company follows: working with clients as a partner; offering smart, creative solutions to clients' needs; conducting business with the utmost integrity; and providing employees not only a challenging work environment, but also the opportunity to advance and invest in their own company.

Those principles are core values of Ayres Associates. Ayres Associates provides superb project managers who stretch your dollars – and focus on building long-term relationships. We're the go-to professionals for your engineering challenges.

Ayres Associates ranks 250th among the top 500 architectural/engineering firms in the nation by *Engineering News-Record* magazine. We first were ranked on the *ENR* list in 1972, and our revenues have kept us among this caliber of firms ever since.

Our Florida operation was established in 1986 and today includes offices in Jacksonville (1994), Tampa (1988), and Sarasota (2000). Our Florida staff of more than 30 engineers**,** technicians, and administrative personnel includes 19 professionally licensed staff, plus senior-level design staff. As a company, we provide more than 107 professional engineers (including 15 licensed in Florida).

For more information, contact David Kemp, PE, KempD@AyresAssociates.com; Ayres Associates, 5220 Shad Road, Suite 200-3, Jacksonville, FL 32257; 904.260.6288. Visit our website at www.AyresAssociates.com.



BasLee Engineering Solutions (BES)

BasLee Engineering Solutions (BES), Inc., (dba **BES Inc**) is committed to providing practical design and implementation expertise to create viable engineering solutions through the employment of its core principles of **Value, Efficiency, Excellence** and **Integrity.** Our goal as a client-focused firm is to be the first choice when an Engineering Consultant is needed. Services we provide include civil site design, electrical engineering, transportation engineering, cost estimating, CAD support and construction management. With offices in Jacksonville, Ft. Lauderdale and Tampa, we have provided quality service in these areas for over nine years.

Our experienced team of professional engineers (registered in Florida, Illinois, Arizona and California), technicians, and project managers has practical experience in all phases of project development including planning, design, construction, management, operations, and training. We have state of the art software and hardware necessary for the quick turnaround of a professional product. Our employees are trained extensively in all relevant applications.

We are a Small Disadvantaged 8(a) Business (SDB) and hold a Professional Engineering Schedule (PES) GSA Schedule (GS-10F-0136W) that clients utilize to contract our services. We look forward to helping you and your teams accomplish your project goals – we will exceed your expectations and delight you with our service!

Bergmann associates
architects // engineers // planners

When you hire Bergmann Associates, you're hiring our people. As a result, you'll get our passion, our expertise and our outstanding service, on each and every project. Bergmann Associates represents three decades of culture built upon the work of our dedicated, client focused experts. Your Bergmann team will deliver what we promise, on-time and within budget. You'll be interacting with design professionals who pride themselves on the highest level of integrity, dependability, ethics and quality of work. We're also exceptionally innovative and responsive. Think of Bergmann as an extension of your organization and your trusted advisor.

We are progressive, forward-thinking engineering and architectural design firm with three decades of success providing multi-disciplinary services to clients throughout the United States. Bergmann has twelve U.S. offices and 375 professional and technical staff featuring talented planners, architects, interior designers, landscape architects, programmers, structural, civil, environmental, mechanical, electrical, and industrial engineers. Our client list spans commercial, institutional, retail, educational, industrial and governmental sectors and includes clients such as TD Bank, the Army Corps of Engineers, CSX, Michigan State University and the New York State Office of General Services.

The core of our Civil Works practice is centered on creating and restoring our nations' Waterway Structures and Navigation Systems as well as our nation's Urban Water Resources. Our team of structural, civil and water resources engineers as well as environmental scientists, has developed a rich portfolio of work that features historic canal lock restoration, in-the-wet construction for new locks and dams, complex stormwater and flood control systems, stream and river restoration, innovative stormwater management practices, no-dig technologies for pipeline restoration and map modernization for FEMA.

Bergmann Associates. Our People and Our Passion in Every Project.
www.bergmannpc.com



Sustaining Member Snapshots 2013

Cardno TBE

Cardno is an integrated professional services provider with a global network of more than 7,500 staff in over 270 offices working on projects in 85 countries. Cardno's vision is to be a world leader in the provision of professional services to improve the physical and social environment. Cardno's clients include federal defense and civil agencies, state, and local government, as well as private entities ranging from industrial companies to energy and development firms. We have the specialized skill set and deep understanding of global and national market drivers that is required to serve the U.S. federal government and defense agencies, in particular. Our expertise is valued by government agencies and contractors to deliver and operate mission critical infrastructure and training facilities.

Cardno is proud to be a sustaining member of the SAME Jacksonville Post and have representation on the post's board of directors. Our division, Cardno TEC, provides consulting expertise in engineering, environmental management, architecture, planning, and infrastructure management. In the federal arena, Cardno TEC has successfully supported all branches of the Department of Defense, Department of Homeland Security, Department of Energy, Department of Agriculture, Department of Justice, Department of the Interior, and General Services Administration. Projects managed by Cardno TEC's Jacksonville office range from large-scale environmental impact statements addressing military operations/training and homeporting/homebasing issues and sustainable infrastructure assessments for 10 million square feet to small-scale targeted environmental compliance services.

Cardno TBE is also a sustaining member, providing subsurface utility engineering, surveying and mapping and utility coordination services throughout North Florida. Cardno TBE has completed subsurface utility engineering and survey projects at NAS Jacksonville, Naval Station Mayport and the submarine base as Kings Bay, Georgia. Cardno TBE has also supported the Army Corp of Engineers with subsurface utility engineering services at Cape Canaveral.

To learn more about Cardno visit our website at www.cardno.com.



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Your ad design should measure approximately 2½ x 2½ and may be adjusted. Submit your ad in any graphic format (jpg, tif, psd, etc.) although jpg is preferred with a minimum resolution of 150 dpi. (Larger ads are also available.) If you have questions about advertisement format, contact Christina Swanson at: christina.m.swanson@usace.army.mil



SAME 2013 Calendar of Events



January 2013

Post Leaders Workshop — **January 24-25, 2013**
Renaissance Glendale Hotel & Spa
9495 W. Coyotes Blvd.
Glendale, AZ 85305

Student Leaders Workshop — **January 25-26, 2013**
Renaissance Glendale Hotel & Spa
9495 W. Coyotes Blvd.
Glendale, AZ 85305

February 2013

Transition Workshop & Job Fair — **February 7-8, 2013**
Embassy Suites BWI
1300 Concourse Dr.
Linthicum, MD 21090

2013 Pacific and Northwest Joint Engineer Training Symposium (JETS) — **February 27 - March 1, 2013**
Hosted by SAME Anchorage Post
POC: Alan Quesnel
Anchorage Alaska

March 2013

DOD and Federal Agency FY14 Program Briefings — **March 26, 2013**
Bethesda MD

Fellows Luncheon and Investiture — **March 27, 2013**
Bethesda North Marriott Hotel, Bethesda, MD

April 2013

International Business Opportunities Webinar Series — **April 9-19, 2013**
Virtual

Continuing Education Program — **April 29-30, 2013**
POC: Belle Febbraro
Millenium Seoul Hilton, S Korea

May 2013

Pacific Joint Engineer Training Symposium — **May 1-3, 2013**
POC: Ann McLeod and John Hawthorne
Millenium Seoul Hilton,
S Korea

SAME Joint Engineer Training Conference & Expo — **May 21-24, 2013**
Co-Hosted by SAME HQ and the San Diego Post
San Diego Convention Center

July 2013

Rocky Mountain SAME Joint Engineer Training Symposium — **July 23-25, 2013**
Hosted by : SAME Denver Metro, Frontier and Pikes Peak Posts
POC: Cindy Lincicome 303-319-0190
Jim Brackett 719-596-8114
Denver, Colo

August 2013

Post Leaders Workshop — **Aug 6-8, 2013**
Embassy Suites Alexandria
1900 Diagonal Rd.
Alexandria, VA 22314
POC: Kashae Williams
Diana Dawkins
Alexandria, VA

SAME/DBIA Federal Project Delivery Symposium — **Aug 20-22**
Capt. Michael Blount, P.E., F.SAME, USN (Ret.), Balfour Beatty
Gaylord National Convention Center
Nat'l Harbor, MD

EngAffect Jacksonville Post *welcomes your contributions...*

Deadline is the 18th of each month, subject to editing. Contact the Editor at the Corps of Engineers, P.O. Box 4970, CESAJ-ACE-IT, Jacksonville, FL 32232-0019; email at *christina.m.swanson@usace.army.mil*; or call (904) 232-3065. Jax Post Website: *http://www.samejax.com* Or *http://www.samejax.org*

DOD Specific Continuing Education In Your Area

Looking for educational opportunities closer to home? The SAME Continuing Education Program may have just what you need!

In an effort to bring timely educational opportunities direct to members, SAME Posts and Military Installations may select courses of specific interest to their local members and serve as the host for the training. SAME HQ does the rest, bringing high-quality education direct to members.

SAME has planned a vast array of continuing education courses for 2013—all geared to provide in-depth information for professionals working in the DOD marketplace. In addition, SAME has six courses offered through our Strategic Partners including the Design-Build Institute of America (DBIA), the Construction Management Association of America (CMAA), and the Society for Marketing Professional Services (SMPS). All courses provide PDHs and many provide additional continuing education units or learning units that have been approved by other organizations and certification programs.

Posts or Installations may select one course or several courses. The benefit is that local members get access to education that meets their specific needs—and they get it at a location that is conveniently located near their home or office.

Posts or Installations interested in hosting educational sessions can contact Belle Febbraro, SAME Webinar and Course Manager, at 703-924-2616 for assistance in providing the following courses.

2013 SAME Courses

Competing Successfully for DOD Architect-Engineer Contracts
1 Day, 8 PDHs, 8 AIA LUs
Get an overview of the DOD A/E Evaluation and Selection Process with a special focus on key aspects of planning, preparing and submitting winning proposals. Whether a seasoned veteran of A/E contract competitions or new to the game, you can learn more about improving your chances of completing successfully.

Best Value Source Selection for DOD Projects
2 Days, 16 PDHs and 16 AIA LUs
Contracting and project management personnel will learn how to plan and execute from start to finish an effective and efficient Federal Acquisition Regulation (FAR) Part 15.3 best value source selection. Acquisition planning, market research, development of technical evaluation factors, subfactors and standards, and RFP structure are covered. The proposal evaluation process, exchanges with offers, debriefings and protest avoidance are also discussed as well as lessons learned from past source selections.

Early Contractor Involvement (ECI)
1 Day, 8 PDHs and 12 AIA LUs/HSW/SD
Enhance your understanding of: The adaptation of FAR Clauses 16.403-2 and 52.216-17 to construction including key terminology and concepts; structure of the bid schedule; calculation of the profit range and significance of initial target profit in the bid; recommended RFP evaluation criterion; expectations of all stakeholders during Design Phase (Preconstruction Services); negotiating Firm Target Price and Firm Fixed Price; Earned Value Management System requirements; and lessons learned thru all phases of project delivery.

Energy Management for DOD Installations
1.5 Days, 12 PDHs and 12 AIA LUs/HSW/SD
Strategies for DOD installation owners to improve energy usage, current DOD energy management policies, and goal and date reporting will be reviewed. Attendees will learn the best practices for creating energy and water saving opportunities at DOD installations, including renewable energy, energy storage and financing energy investments.

Increasing the Sustainability of Existing DOD Buildings
1 Day, 8 PDHs, USGBC Certified for 7.5 GBCI CE hours and 8 AIA LUs/HSW/SD
Recent Executive Orders require that 15 percent of the buildings currently owned by each federal agency and military service meet the guidelines for High Performance and Sustainable Buildings. This course gives facility managers, designers and facility engineers the tools needed to asses and implement sustainability and energy improvements at their facilities. The course uses the well-developed LEED for Existing Buildings Rating System as a framework for applying overall building sustainability.

Contracting and Ethics for Small Business
1 Day, 8 PDHs
Gain a better understanding of the government contracting process and learn the basics of contract formation. Attendees will better understand government contracts from the client perspective. Expect a comprehensive overview of the available avenues and advantages afforded to small businesses through set-asides and how to maximize that advantage. Ample time will be given for questions and answers. Practical exercises also will help bring all these concepts together to ensure attendees take back knowledge they can immediately put into place to assist with their marketing and teaming efforts. A guest speaker from a local firm will attend lunch.

Mentor-Protégé and Joint Venture Agreements
1 Day, 8 PDHs and 8 AIA LUs
This facilitated workshop will teach networking approaches for identifying and selecting teaming partners and teaming strategies for winning Federal Small Business Set-Aside contracts. Attendees will receive information on Mentor-Protégé and Joint Venture Agreements. Topics include the "matchmaking" aspect of business relationships, the components of a Mentor-Protégé Agreement following SBA guidelines, RFP requirements for long-term and sole-source contracts, and more. If you want to establish a Mentor-Protégé or a Joint Venture professional relationship, this hands-on course is for you.

Strategic Partner Courses

SMPS–The Basics of Business Development in the A/E/C Marketplace
1 Day, 6.5 PDHs, 6.5 CEUs
Gain the special skills, techniques and tools necessary to develop and maintain a successful business development program for your professional services firm. Enhance your performance, expand your knowledge and build a strong network of contacts.

SMPS–Managing and Leading a Successful Business Development Team
1 Day, 6.5 PDHs, 6.5 CEUs
Get proven management tools and business development (BD) strategies to generate more business for your firm. Whether you work for a one-office shop or global corporation, you will be able to identify BD potential in others, engage technical staff in BD strategies, motivate presentation teams and effectively manage client relationships. Designed for those responsible for the success of a BD plan or team.

DBIA–Fundamentals of Project Delivery
1 Day, 8 PDHs, 8 AIA LUs/HSW/SD
Obtain a general overview of the attributes of all the major project delivery systems, procurement methodologies and contracting approaches.

DBIA–Principles of Design-Build Project Delivery
1 Day, 8 PDHs, 8 AIA LUs/HSW/SD
Learn more about the use of design-build as a project delivery method, with a focus on essential concepts and characteristics, as well as critical elements of the RFQ/RFP process and overall project management.

DBIA–Design-Build Contract and Risk Management
1 Day, 8 PDHs, 8 AIA LUs/HSW/SD
Learn how to apply effective contracting language and insurance, bonding and surety products and strategies for successful design-build project delivery. The course emphasizes providing relevant legal, contracting, insurance and risk management knowledge—with strategies for applying this knowledge to the evaluation of your existing risk mitigation measures.

CMAA–Professional Construction Management Course
3 Day, 24 PDHs, 24 AIA LUs, 2.40 CEUs
Learn about construction management (CM) core competencies and CMAA's body of knowledge. This course will benefit anyone—from entry level to highly experienced—seeking to acquire sound basic CM skills, continuing education, or preparation for the CCM examination.

Interested in hosting a CEP course? Contact Belle Febbraro, SAME Webinar and Course Manager, at 703-924-2616 or bfebbraro@same.org.

Sustaining Members

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CEMS Engineering, Inc.
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Dial, Cordy & Associates, Inc.
Dougherty Sprague Environmental, Inc.
Dyer, Riddle, Mills & Precourt, Inc.
EAC Consulting, Inc.
ECC
Elkins Constructors, Inc.
EMCOR Government Services, Inc.
EnSAFE, Inc.
Environmental Consulting & Technology, Inc.
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FLUOR
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GCR, Inc.
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Greenman Pedersen, Inc. (GPI)
Ground Hound Detection Services, Inc.
Hatch Mott MacDonald
HDR
HNTB
Huryn Justice General Contractors
Islands Mechanical Contractor (IMC).
ITSI Gilbane
J2 Engineering, Inc
Jacobs
Jones Edmunds & Associates, Inc.
Keville Enterprises, Inc.
Kiewit
Kira, Inc.
LG2 Environmental Solutions, Inc.

2013 Jax Post Joint Luncheon Schedule

Date	Topic	Location
Feb 27	Military Projects throughout Southwest Asia	Ramada Inn Mandarin
Mar 27	Breakfast TBD	TBD
May 29	Readiness & Emergency Mgt	TBD
Jun 26	Breakfast TBD	TBD
Aug 28	Luncheon TBD (CMAA to co-host)	TBD
Sept 25	Breakfast TBD	TBD
Oct 23	Luncheon TBD	TBD
Nov 27	Luncheon TBD	TBD
Dec 18	Breakfast TBD	TBD

Special Events

Feb 22	Engineering Career Day	Prudential
May 2	Executive Forum	TBD
May 3	Jax Post Golf tournament	TBD
July 24	Installation of Officers/Dirs	TBD

See the complete schedule of events for 2013 on the web site.

Field Chapters San Juan, Puerto Rico ♦ GITMO
Student Post University of North Florida

Lowe Engineers
MacDonald-Bedford LLC
Manhattan Construction Company
Manson Construction Co.
Mason & Hanger
Meskel & Associates Engineering
Michael Baker Corporation
Moffatt & Nichol
MWH
NAVFAC Southeast-Jacksonville
NewFields Government Services, LLC
Nobles Consulting Group, Inc.
Odebrecht Construction, Inc.
Parsons
PCL Construction Services, Inc.
Pond & Company
Premier Communication Group, Inc.
Procurement Technical Assistance Center
Project Time & Cost, Inc.
Reynolds, Smith & Hills, Inc.
Richard L. Bowen & Associates, Inc.
Royal Concrete Concepts
Sauer, Inc.
Science Applications International Corp
Scif Global Technologies

Shannon and Wilson, Inc.
Siemens Industries, Inc
Singhofen & Associates Inc.
Southeastern Archeological Research, Inc.
Stanley Consultants, Inc.
Stellar
Taylor Engineering, Inc.
Tetra Tech
The Atlantic Group, LLC
The Carol Group
The Crom Corporation
The Haskell Company
The R-A-M Professional Group, Inc.
The Shaw Group, Inc.
The Walsh Group
Timberwind Construction LLC
TLC Engineering
Transystems
URS Corporation
Van Wagenen and Beavers, Inc.
VoltAir Consulting Engineers
Weston Solutions, Inc.
Wolverton & Associates, Inc.
Woolpert
Zyscovich Architects, Inc.