Dr Anwar Zahid, Senior Project Manager & Principal Engineer, ARCADIS-US has served as the Engineer of Record and Project Manager for the IHNC-Seabrook Sector Gate Complex. He also served as the Structural Engineer of Record for the Lake Pontchartrain and Vicinity (LPV) 144 – Bayou Dupre Control Structure; the tallest gate in the HSDRRS system and Tall T-Walls in St. Bernard Parish, and as Lead Structural Engineer for the Gulf Intracoastal Waterway – West Closure Complex Pump Station, the largest drainage pump station of the world. Lessons learned from these projects will be discussed.

After Hurricane Katrina with 14 billion US dollars, many complex projects have been constructed around New Orleans to provide a 100-year level of protection from a storm as part of the Hurricane and Storm Damage Risk Reduction System (HSDRRS). These projects involved hydraulic structures, pump stations, concrete bridge, steel bridge, access ramp, generator building, control house buildings, VLG towers etc. State of the art finite element approaches as well as traditional simplified analysis were considered in designing these structures.

An innovative construction technique Early Contractor Involvement (ECI) [a Hybrid-Design Build concept] method was used to complete some major projects within the time frame mandated by US Congress. West Closure Complex Pump Station- World’s Largest Drainage Pump Station, and Inner Harbor Navigation Canal (IHNC)-Seabrook Complex will be the focus of this presentation. Challenges and solutions during the design and construction of these mega projects along with operation and maintenance details will be discussed. Performance of these projects during the recent Hurricane Isaac in August 2012 will also be discussed.
2013 SAME Savannah Post
Officers & Committee Chairs

Joel Burke
President

Maureen Hoke
1st Vice President

Gwen Parker
2nd Vice President

Scott Veenstra
Secretary

Gavin Carey
Treasurer

Sally Riker
Chairman of the Board of Directors and past president

Justin Arnsdorff
Program Chair

Laurel Webb
Leadership & Mentoring Streamer

Anna Lucas
Education & Training Streamer

Adam Ragsdale
Relationships & Recognition Streamer

Frank Randon
Scholarships & Camps

Kevin Chafin
Sustaining Members

Hollie Dupes
New Members

Heather Wishart
Fellow

Chryse Johnson
Post Web Page

Larry Christopher
Newsletter

AUGUST MEETING HIGHLIGHTS

DON'T FORGET
If you bring a copy of this month’s newsletter to the monthly meeting, you will be entered for a raffle to win a special prize.

Tom Randolph with Tepa, LLC stands with other Post members to present the donation.

Adam Ragsdale with Wolverton & Associates makes a sustaining member presentation.

Mickey Jones with Mason & Hangar makes a sustaining member presentation.

Tom Randolph with Tepa, LLC makes a donation to the SAME Savannah Scholarship fund.

Sally Riker with Lowe Engineers makes a sustaining member presentation.

Anna Lucas with Michael Baker & Associates makes a sustaining member presentation.

It’s never too late to start thinking about our annual Toys for Tots campaign! Remember, this is one of our community projects required by our streamers, and all of our sustaining members are encouraged to support the Toys for Tots. Gifts can be for a boy or girl at $25 or less, unwrapped and will go toward making a child’s Christmas wish come true! We will start collecting at our August and September meetings.
SUSTAINING MEMBER BRIEFINGS 2013

For 2013, the Savannah Post SAME is offering Sustaining Member firms the opportunity to submit an article on their company for the monthly newsletter, and to have a two-minute briefing to discuss their firm at the monthly SAME meeting. Each firm will be asked to bring a gift to raffle. A list of all sustaining members is below with each member’s assigned month. Please contact Kevin Chafin at kchafin@cemsengineering.com or 843-875-3637 for more information.

NOTE: If you missed an opportunity to place a sustaining member article from a previous month, please remember you can still submit your article over the next three months.

JANUARY
AECOM
Alliant Corporation
AMEC
American Structurepoint
Applied Engineering Solutions, Inc.
ARCADIS
Atkins
Barge Waggoner Sumner and Cannon Inc.
Bhate Environmental Assoc. Inc.
B rasfield & Gorrie General Contractors
Bristol Alliance of Companies
Brown & Caldwell
BRPH Companies Inc.

MAY
JETC Conference
JUNE
Annual Program Review
JULY
Hatch Mott MacDonald
HDR
Holocene, LLC
Howard W. Pence, Inc.
Hussey, Gay Bell & DeYoung
IKHANA, LLC.
Infrastructure Corporation of America
J2 Engineering, Inc.
Jacobs
JE Dunn Construction
Kaiser Kane, Inc.
KBR North American Government & Defense
Kennedy Engineering & Associates Group LLC
LBVD, Inc.

AUGUST
Leo A Daly
LG2 Environmental Solutions, Inc.
Lovve Engineers
LS3P Associates Ltd.
M3 Construction Services, Inc.
Mason & Hanger
Merrick & Company
Micah Group Environmental Contractors, Inc.
Michael Baker Corporation
Moffatt & Nichol
MWH
Northview Enterprises
O’Brien & Gere Parsons
Paragon Environmental Construction, Inc.

SEPTEMBER
Parsons
Parsons Brinckerhoff
PB&A Inc.
Pinnicle Construction & Development Group, Inc.

NOVEMBER
Stantec Inc.
STOA Architects
Sundt Construction, Inc.
T-Com Design, Inc.
Tremco Commercial Sealants and Waterproofing
TEPA, LLC
Terraneap PMC, LLC
Tetra Tech, Inc.
The Louis Berger Group Inc.
The Whiting Turner Contracting Co.
Thomas & Hutton Engineering, Co.
Thompson Engineering Inc.
Tidewater Environmental Services, Inc.
TMG Services
Toland & Mizell Architects, Inc.
Trans Systems
URS Corporation
Volkert, Inc.
Walbridge
Weston Solutions, Inc.
W.G. Yates & Sons Construction Company
Wolverton & Associates, Inc.
Woolpert, Inc.

DECEMBER
SAME Savannah Post Christmas Party
Michael Baker Jr., Inc. (Baker) is a full-service planning, architecture, engineering, and construction management firm dedicated to creating innovative and environmentally responsible infrastructure solutions throughout the United States and internationally. Baker was founded in 1940 and currently employs 3,200 multidisciplinary staff in over 100 offices worldwide. *Engineering News-Record* (ENR) magazine consistently ranks Baker in the top 10 percent of the largest U.S. engineering design firms (currently 30th). Baker provides a broad array of services to address the complete life cycle of facilities and infrastructure in the following primary markets:

- Defense
- Architecture
- Aviation
- Environmental
- Geospatial
- Homeland security
- Municipal and civil
- Pipelines and utilities
- Transportation
- Water

Of note, Baker has a long history of serving military clients; in fact our very first project was airfield work in Alaska for the US Army Corps of Engineers. Key Defense market highlights include:

- Our Architectural group has provided full designs and design-build services for every type of military facility under Stand-alone, IDIQ, and MATOC/MACC contracts at US Army, US Navy and Marines, US Air Force, and National Guard installations throughout the Southeast. Many of our designs are being used under the USACE COS program as standard designs including TEMF, Barracks, and COF facility types.

- Baker has significant experience in providing multimedia environmental compliance and engineering support to US Navy and US Army facilities in the South including Ft. Gordon, MCRD Parris Island, Joint Base Charleston, and MCB Camp Lejeune to name a few.

- We have provided award winning Master Planning, GIS, Mapping and related services to USACE Savannah District and South Atlantic Division for outdoor recreation Plans at 13 installations throughout the Southeast for SERO.

Sherlock, Smith & Adams is an employee-owned Architectural and Engineering firm specializing in Healthcare, Education, Research, Training and Senior Living design. Sherlock, Smith & Adams was founded in 1946 in Montgomery, Alabama as an architectural and engineering partnership. As an employee owned firm, our employees are highly motivated and have worked together for many years. This has produced a group strength, experience and long history of project success.

We offer a full range of services leveraged exclusively for the benefit of our clients. We provide full design services in-house including: Architecture, Landscape Architecture, Interior Design, Civil, Structural, Mechanical, Electrical, Communications and Fire Protection Engineering, Cost Estimating, Site Planning, Medical Planning, Medical Equipment Planning, LEED®, Life Safety Code Analysis, Value Engineering, Peer Review and Inspection, Cost Estimating, Construction Administration and Quality Assurance.

The firm was named 2013 Firm of the Year by the SAME Huntsville Post and is ranked among ENR’s Top 500 A/E firms. Sherlock, Smith & Adams has cultivated a solid base of public and private clients to include the Federal Government, numerous municipalities, educational institutions and private businesses. Client trust and confidence is our measure of success.

**FIRM HIGHLIGHTS:**

- Over 65 years of experience working with military clients through numerous MATOC, IDIQ and IDC contract vehicles.
- Project locations throughout the CONUS and abroad including Europe, Asia, the Caribbean, Puerto Rico, and South and Central America.
- The combined advantages of large-firm resources, and the small-firm benefits of personal commitment and principal involvement.
- Our design team employs sustainable design principles and provides energy efficient, environmentally responsible design solutions.

For more information, contact Chip DeShields, Director of Business Development 334-263-6481 or chip.deshields@ssainc.com. Please visit our website at www.ssainc.com.