

# PENSACOLA POST

Society of American Military Engineers  
Dedicated to the National Defense



September 2011

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Our next SAME General Membership & Business Meeting will be  
September 16, 2011 at 11:30 at McSwain Engineering, Inc.

We will be hearing a presentation about Engineering Analysis and  
Investigations. We will also be touring the facility after the  
presentation.

## *Sustaining Members*

Abrams Group Construction

AMEC

Atkins

Bullock-Tice Associates

CCI, Inc

Craig Technologies

Flintco, Inc.

Gulf Power

Hatch Mott MacDonald

Heffernan Holland Morgan Architecture,  
P.A.

Irby Engineering & Construction, Inc.

J2 Engineering, Inc.

Joe DeReuil Associates

Pepco Energy Services

Peterson Engineering, Inc.

Satterfield & Pontikes

Siemens Industry, Inc

STOA Architects

Terracon Consultants, Inc.

Uretex USA, Inc.

Whitesell-Green, Inc.

## **TREASURER'S REPORT September 2011**

1st Navy Bank - \$6,576.64  
Morgan Stanley - \$22,867.57



## **Mark Your Calendars:**

**16 September** – September Monthly Meeting <sup>\*NOTE: This month's meeting is on FRIDAY</sup>

Topic: Engineering Analysis and Investigation

Where: McSwain Engineering, Inc.  
3320 McLemore Drive  
Pensacola, FL 32514-7077  
<http://www.mcswain-eng.com/>

Directions: <http://g.co/maps/mbfd>  
(Located in Ellyson Industrial Park in North Pensacola)

Dr. Richard McSwain, Ph.D., P.E., is the President and founder of McSwain Engineering, Inc., a 20-year old advanced materials engineering consulting firm. McSwain Engineering's facilities include an engineering investigation laboratory with complete materials engineering, mechanical engineering and forensic chemistry capability. Dr. McSwain formerly worked for the Naval Aviation Depot, Naval Air Station Pensacola for 14 years prior to establishing his own company in 1991.

Dr. McSwain's [curriculum vitae](#) are provided for additional background.

Lunch will be provided at the site and cost will be \$10/person. Please RSVP by emailing the post secretary (Sam Yu) at [pensacola.post@gmail.com](mailto:pensacola.post@gmail.com) by COB next Wednesday, 14 Sep 2011.

**30 September** – SAME Pensacola Annual Habitat for Humanity Day

**28 October** - The Annual Golf Tournament is Friday, October 28 at AC Read Golf Course.

**30 November** - Small Business Conference

SAME Pensacola Post will be hosting this year's Small Business Conference @ New World Landing. Please visit the post website <http://posts.same.org/pensacola/> for more detail.

## **Tentative Future Meeting Date/Topic**

**20 October** – Building information Modeling

**17 November** – Energy Conservation/Efficiency Programs

Each of the Vice Presidents has been gathering ideas and input to prepare for the upcoming year. Any volunteers or ideas that anyone would like to contribute in the areas of Education and Training, Outreach, Relationships, or Contingency are greatly welcomed.

Visit Our Website:

<http://posts.same.org/pensacola/>



## **Richard H. McSwain, Ph.D., P.E.**

### **Primary Areas of Expertise:**

- Materials Engineering and Failure Analysis
- Engineering Investigation of Failed Components

### **Degrees:**

- Bachelor of Materials Engineering from Auburn University 1972
- Master of Science in Materials Engineering from Auburn University 1974
- Ph.D. in Materials Engineering from University of Florida 1985

### **Work History:**

- 20+ years as President and Principal Engineer of McSwain Engineering, Inc., Pensacola, FL
- 14 years with Naval Aviation Depot, Pensacola, FL
- 3 years with Southern Research Institute, Birmingham, AL

### **Certification:**

- Registered Professional Engineer, State of Florida, #31149
- Registered Professional Engineer, State of Alabama, #28077

### **Awards and Achievements:**

- Department of the Navy Special Achievement Award
- Department of the Navy Outstanding Performance Awards
- Member of Product Oriented Survey Audit Team for the Presidential Helicopter, 1988
- Naval Air Systems Command Lead Technology Engineer for Fractography and Scanning Electron Microscopy, 1982-1989
- Outstanding Alumnus Award, Auburn University, April 2003
- Auburn Engineering Achievement Award, October 2003

### **Work Experience:**

Richard McSwain founded McSwain Engineering, Inc. in 1991. Prior to 1991, Dr. McSwain was a Materials Engineer with the Materials Engineering Laboratory at the Naval Aviation Depot, Pensacola, Florida. He performed aircraft component failure analysis, accident investigation, nondestructive testing and materials processing for 14 years. He served as group leader for failure analysis and was named head of the Metallic Materials Engineering Branch of the Materials Laboratory in 1988. Prior to Dr. McSwain's work with the Navy, he spent 3 years with Southern Research Institute in Birmingham, Alabama, conducting foundry and materials analysis research. He has written and contributed to many technical publications related to materials engineering.