



▶ FEATURE: PRESENTATION
PREVIEW..... 1



▶ PRESENTER'S BIO 2
▶ DISTINGUISHED SERVICE
HONORED 2



▶ SPOTLIGHT ON SUSTAINING
MEMBER FIRM 3

○ FEBRUARY 2009 | ○ www.same.org

THE FLYER

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



Preview of February 2009 SAME Presentation, entitled "An Exploration into Biomimicry and Its Application in Engineering and Environmental Restoration." This presentation will be given by Mr. R. Neil Davies, C.Eng., MICE, PE, Managing Principal, Geosyntec Consultants, Kennesaw, Georgia.

Exploration into Biomimicry

This month's presentation will focus on biomimicry (from bios, meaning life, and mimesis, meaning to imitate), which is a new discipline that studies nature's best ideas and then imitates these designs and processes to solve human problems, and in particular, sustainably. An example of applying biomimicry would be the detailed study of a leaf to learn how to optimize the function of a solar cell. The core idea is that nature has already solved many of the problems we are grappling with. Animals, plants, and microbes are the consummate engineers and have constantly adapted to change in their environment. Through the process of evolution, they have found what works, and most importantly, what lasts—in essence how to best "survive and thrive" here on Earth. By applying biomimicry principles, humans are imitating the best adapted organisms in our habitat. We are learning, for instance, how to build sustainable buildings from termites, create efficient wind power from humpback whales, optimize strength and materials from trees and bones, harness energy as efficiently as a leaf, and create color as brilliantly as a peacock.

The presentation will give an overview of the topic and present the principles of biomimicry. Examples and case studies will also be presented to illustrate the application of the principles.



SAME Robins Post Election Results

The SAME Robins Post is pleased to announce the following officer/director appointments for 2009:

- President, Ms. Becky McCoy
- Vice President, Mr. Scott Hastings
- Secretary, Mr. Bill Nagel
- Assistant Secretary, Ms. Jennifer Tribble
- Treasurer, Mr. Griff Cox
- Programs Co-Directors, Mr. Ken Branton, Mr. Judah Bradley, and Ms. Laurel Cordell
- Education and Mentoring Director, Mr. Mike Coats
- Financials Director, Mr. Kevin Long

Officers will serve a one-year term and directors serve two-year terms. SAME Robins Post Elections were held at the 21 January 2009 General Meeting. Congratulations to all!



Presenter's Bio: Neil Davies, C.Eng., MICE, PE Managing Principal, Geosyntec Consultants



Mr. Neil Davies, C.Eng., MICE, P.E. is the Managing Principal for Geosyntec's Georgia based operations. He focuses on environmental restoration, energy, and infrastructure projects located throughout the United States and overseas.

Specializing in design, Mr. Davies has more than 27 years of experience in the management and direction of large multi-disciplinary civil and environmental infrastructure projects. In his present role with Geosyntec, he provides technical and regulatory leadership for numerous complex environmental restoration projects conducted under CERCLA, RCRA, Clean Air Act, and various state regulatory programs. His remediation experience includes the practical application of the following technologies: in-situ containment of soft sludges and sediments; stabilization/fixation of contaminated soils and sludges; biotreatment of soils, leachate and contaminated groundwater

treatment (in-situ and ex-situ); thermal treatment of contaminated soils; in-situ chemical oxidation of groundwater contaminants; and the use permeable reactive barriers for groundwater remediation.

Mr. Davies client base includes both commercial and federal clients. In addition to infrastructure and restoration, he has also assisted several commercial clients in the development and pilot testing of innovative groundwater treatment technologies. Mr. Davies is also currently working with power utility companies to develop cost effective strategies for handling and disposal of coal combustion products (CCP) including ash and synthetic gypsum. He is currently leading teams evaluating current and proposed disposal options for CCP, and residuals from flue gas desulfurization resulting from new air emission control units being brought on line at coal-fired units across the southeastern U.S. He is also assisting several power utility clients in the identification and evaluation of renewable energy alternatives. Mr. Davies earned his Bachelor's degree in civil engineering from Victoria University of Manchester, England.

Distinguished Service Honored & Commemorated with Award Presentation

At the 21 January 2009 General Meeting, **Ms. Nancy Manley** was recognized by the SAME Robins Post Board for her service in SAME and was acknowledged as the recipient of the prestigious **Ric Powers' Achievement Award**. Ms. Manley has served as Director, 778 Civil Engineer Squadron since August 2008 and has been a Chief Engineer with the 78 Civil Engineer Group since May 1994. Unfortunately, Ms. Manley was TDY and therefore was unable to attend.

Ms. Jennifer Tribble was also recognized by the SAME Robins Post Board for all of her contributions to SAME and to the Post, and was named the recipient of the **Outstanding Young Member Award**. Ms. Tribble is the Hazardous Material Program Manager for the 78th Civil Engineering Group Environmental Division. She graduated from Mercer University's School of Engineering in 2003. Currently, she serves on the Mercer University School of Engineering Alumni Board of Directors and is the SAME Robins Post Assistant Secretary. Ms. Tribble and her husband, David, have a two-year-old daughter, Reagan.

The SAME Robins Post would like to congratulate Ms. Manley and Ms. Tribble on these awards. The Post appreciates all of their contributions to SAME over the past year.

In top photo at right, Mr. Ric Powers presents Jennifer Tribble with the Outstanding Young Members Award. Right photo, Nancy Manley's SAME "Ric Powers Achievement Award 2008." In far right photo, Ms. Jennifer Tribble, "2008 Outstanding Young Member Award" recipient, posing with her award.



WHAT'S COMING UP...

The next Robins Post General Meeting will be held on 18 February 2009 at 11:30 am. The meeting will be held in the Horizon's Attrium (formerly the Officer's Club). All are welcome.

The SAME Robins Post Board Meeting will be held on February 18, immediately following the General Meeting.



Upcoming Dates in 2009

18 February: 1130 hours: SAME General Meeting immediately followed by SAME Robins Post Board/Officer's Meeting. Geosyntec Consultants will be presenting on biomimicry, including discussion on alternative technology.

18 March: 1130 hours: SAME General Meeting immediately followed by SAME Robins Post Board/Officer's Meeting. Air Force Reserve Command personnel will be the featured presenters and will providing an updated version of their "Partnering with Industry" presentation.

24 April: Earth Day Golf Tournament at Robins AFB.



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.”

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.”



Spotlight on Sustaining Member Firms: Geosyntec Consultants

Geosyntec Consultants, founded in 1983, provides consulting engineering and science services throughout the United States and internationally. The employee-owned and managed firm has a staff of over 700 engineers, scientists, and other technical support staff based in more than

40 offices throughout the US and in Canada, Malaysia, United Kingdom, and Australia. Approximately 80 percent of our technical staff have advanced degrees in engineering, scientific, or business management disciplines. Geosyntec engineers and scientists are known for their technology leadership and practice innovation in the areas of:

- Groundwater Assessment & Remediation
- Vapor Intrusion, Indoor Air Quality, & Vapor Control Services
- Perchlorate Investigation & Remediation
- Surface Water & Natural Resources Management
- Site Investigation & Remedial Design/Action
- Geotechnical & Geoenvironmental Engineering
- Environmental Management
- Pollution Prevention
- Risk Assessment & Toxicology
- Brownfield Site Development
- Waste Disposal Facility Permitting, Design, Construction & Closure

Geosyntec 
consultants

engineers | scientists | innovators

We are large enough to perform the most complex and technically challenging projects in-house, while delivering the customized, personal service and consistently excellent results for which smaller firms are renowned. Geosyntec's office is located at 1538 Watson Boulevard, Warner Robins, Georgia 31093. For more information, visit www.geosyntec.com or contact us at 478.328.6181.

Post Officers

President

Ms. Becky McCoy
becky.mccoy@robins.af.mil
(478) 327-9287

Vice President

Mr. Scott Hastings
scott.hastings@afrc.af.mil
(478) 327-1102

Secretary

Mr. Bill Nagel
bnagel@geosyntec.com
(478) 328-6181

Assistant Secretary

Ms. Jennifer Tribble
jennifer.tribble@robins.af.mil
(478) 327-8372

Treasurer

Mr. Griff Cox
gary.cox4@robins.af.mil
(478) 327-9269

Senior Enlisted Advisor

SMSGt. Donald Andreasen
donald.andreasen@afrc.af.mil
(478) 327-1095

Executive Directors

Mr. Ric Powers (Emeritus); **National Liaison**
richard.l.powers@usace.army.mil
(478) 926-0290

Ms. Nancy Manley; **Membership**

nancy.manley@robins.af.mil
(478) 926-3533 x 28100

Directors

Mr. Judah Bradley; **Programs**
judah.bradley@robins.af.mil
(478) 926-6163

Mr. Ken Branton; **Programs**

kenneth_branton@urscorp.com
(678) 808-8907

Ms. Laurel Cordell; **Programs**

laurel.cordell@robins.af.mil
(478) 327-9275

Mr. Mike Coats; **Education & Mentoring**

michael.coats@earthtech.com
(478) 329-8870

Mr. Joe Ballard; **National Security**

joe.ballard@robins.af.mil
(478) 926-3093

Mr. Shawn Politino; **National Security**

shawn.politino@afrc.af.mil
(478) 327-1023

Mr. Kevin Long; **Financials**

kevin.long@robins.af.mil
(478) 327-3610

Mr. Steve Hvizdzak; **Events/Small Business**

steve.hvizdzak@tepa.com
(478) 922-7751

Mr. Paul Koch; **Sustaining Memberships**

pdkoch@mactec.com
(478) 923-5999

Mr. Mark MacEwan; **(Past President)**

mark.macewan@aecom.com
(703) 706-0133

Sustaining Member Firms

ALACAD

Carolyn Burgess; Carolyn.burgess@alacad.com
(888) 442-3100 / (205) 444-3111

AMEC, PLC

Jerry Gacetta; jerry.gacetta@amec.com
(770) 420-2100 / Fax 420-2080

ARCADIS US

Steven Moes; steven.moes@arcadis-us.com
(386) 447-4993/Fax 246-3787

Benham Constructors, LLC

Michael Gwyn; mike.gwyn@benham.com
(704) 542-2908 / Fax 759-0081

Cape, Inc.

Scott Harris; sharris@cape-inc.com
(478) 923-6788 / Fax 923-6799

Carothers Construction, Inc.

Benjamin Logan; blogan@carothersconstruction.com
(662) 473-2525 / Fax 473-4519

CH2M Hill

Frank Miyagawa; frank.miyagawa@ch2m.com
(850) 939-8300 x42 / 939-0035

Donaldson, Garrett & Associates, Inc.

Elaine Hollis-Prichard; esh@dg-a.com
(478) 474-5350 / Fax 477-2534

DYNAMAC CORP.

Georgeann Morekas; gmorekas@dynamac.com
(301) 417-6038 / Fax 417-6132

Earth Tech AECOM

Mike Coats; michael.coats@aecom.com
(478) 329-8870 / Fax 329-1062

EMR, Inc.

Lemuel Campbell; lcampbell@emr-inc.com
(478) 923-2882 / Fax 923-2880

Flint EMC

Ronnie Sanders; rsanders@flintemc.com
(478) 218-5548 / Fax 218-5539

Geosyntec Consultants

Bill Nagel; bnagel@geosyntec.com
(478) 328-6181 / Fax 929-5120

Geotechnical & Environmental Consultants

Thomas Driver; tdriver@geconsultants.com
(478) 757-1606 / Fax 757-1608

Leo A Daly

Edward Piekarczyk; EPiekarczyk@leoadaly.com
(404) 874-8333 / Fax 874-8830

MACTEC Engineering and Consulting

Mike Roach; fmroach@mactec.com
(478) 923-5999 x15 / Fax 923-5776

Merrick & Company

Douglas Elledge; douglas.elledge@merrick.com
(404) 739-5100 / Fax 739-5101

MWH Global

Lloyd Hinkle; Lloyd.a.hinkle@mwhglobal.com
(865) 773-4597 / Fax (303) 410-4100

PBS&J

Nate Berger; nberger@pbsj.com
(770) 933-0280 / Fax 933-0691

ROCHE, Inc.

Neal Reagan; nealreagan@gmail.com
(478) 272-2792 / Fax 272-1221

SKE International, Inc.

Phillip Meadows; pmeadows@skeii.com
(478) 922-9174 / Fax 922-8508

Technicon Engineering, Inc.

Randy Peacock; peacockr@technicon-pe.com
(478) 743-8415 / Fax 743-8239

TEPA EC, LLC

Steve Hvizdzak; steve.hvizdzak@tepa.com
(478) 922-7751 / Fax 922-7925

TetraTech, Inc.

Parrish Swearingen; parrish.swearingen@tetrattech.com
(478) 329-1616 x225 / Fax 329-0558

URS Corporation

Ken Branton; kenneth_branton@urscorp.com
(678) 808-8907 / Fax 808-8400

Weston Solutions, Inc.

Hilton Culpepper; hilton.culpepper@westinsolutions.com
(478) 875-3693 / Fax 875-3693 (same)

WINDAMIR Development & Construction

Kimberly Glover; kglover@windamir.com
(770) 436-3500 / Fax 436-9020

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 Mr. Paul Koch, our Sustaining Member Director, at 478.923.5999 or pdkoch@mactec.com.