

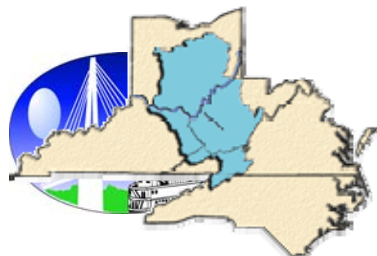
Society of American Military Engineers, Huntington Post



The Bridge



NEWSLETTER OF THE HUNTINGTON POST, S.A.M.E.

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This Month's SAME Meeting 9 December 2008

Topic: Ground Penetrative Radar: A Modern Day Tool in Bridge Program Management

Presented by: Todd Majidzadeh and Nikhil Khedekar, Ph.D., P.E.

December Meeting

Topic: Ground Penetrative Radar: A Modern Day Tool in Bridge Program Management

Speakers: Todd Majidzadeh and Nikhil Khedekar

Date: Tuesday December 9, 2008

Time: 1130 to 1300

Location: Cabell County Main Library,
455 9th St., Huntington, WV

Cost: \$5.00 students \$7.00 members and \$8.00 non-members

RSVP: Mike Fitzwater at:

gary.m.fitzwater@usace.army.mil

Office (304) 399-5933

Menu: Pot Luck, Dessert and Beverage.

MONTHLY POST MEETING SCHEDULE

January 13, 2009 – Monthly Meeting

February 10, 2009 – Monthly Meeting

March 10, 2008 – Monthly Meeting

Does your firm have a special announcement or major promotion on a SAME member?

If so, contact Tom MacFarland, thomas.g.macfarland@usace.army.mil or (304) 399-5369, and he will include it in the next edition of "THE BRIDGE".



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News from the President:

Seasons Greetings,

I can't believe another year is about to end. I want to thank all of you for your tremendous support to SAME and to the Huntington Post this year. Because of your efforts we were able to host an excellent Career Day for aspiring students and a spectacular Regional Conference which fostered professional dialogue on managing risk. Through our scholarships we continue to assist young engineers with their education and our Post has sponsored young members to National SAME events. We are investing in our Nation's future through these efforts.

We still have two excellent events this year. Our dinner dance this Saturday (December 6th) promises to be a fun-filled event with Big Planet Soul providing the evening entertainment. On the 9th we have our monthly meeting where Todd Majidzadeh and Nikhil Khedekar from Resource International will talk to us on the use of Ground Penetrating Radar as a non-destructive tool in our bridge programs. Additionally, we will vote for our 2009 officers at this meeting. As a final task for the year we will compile and submit our packets for SAME streamers. I have high expectations that we will achieve Distinguished Post status again this year.

Unfortunately I will not be able to make the December meeting. I want all of you to know it was a privilege for me to serve as President of the Post. I look forward to continuing my involvement with the Post and sustaining the friendships I have made over the last few years.

Have a wonderful Christmas and Happy New Year!!!

Dana R. Hurst, P.E.
Colonel, U.S. Army

Post President



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This Month's Presentation:

Ground Penetrative Radar: A Modern Day Tool in Bridge Program Management

In today's information technology world, the modern day Bridge Engineer has been handed down the legacy and precarious task of maintaining and improving the present day Interstate and State Highway System. The majority of existing bridges in this system are 25 to 50 years old, posing a dilemma to bridge engineers: To rehabilitate or replace?

Ground Penetrating Radar (GPR) has emerged as a viable Non-Destructive Technique (NDT) in assessing reinforced concrete bridge decks for locating concrete deteriorated areas caused by steel corrosion and presence of moisture and chloride within the concrete deck. This method, based on modern science and technology, offers vast advantages over traditional methods, yet is economical through the elimination of the need for deck coring and lane closures. It is the only NDT method that can evaluate the condition of asphalt covered bridge decks. Deck condition surveys can be performed by a van mounted GPR antenna at the speeds up to 40 mph, causing no disruption to the traffic. Resource International, Inc., to date, has successfully completed deck surveys of numerous short and long span bridges, including bridges with stay-in-place forms.

The presentation highlights the contribution of GPR in bridge program management by utilizing better estimating deck repair quantities and using the data to make informed decisions regarding deck rehabilitation vs. replacement.



This Month's Speakers:

Nikhil Khedekar, Ph.D., P.E., Project Manager and Structural Engineer at Resource International, Inc., has over 18 years of experience in the design, study, and research of structural systems. This experience includes using ground penetrating radar (GPR) to assess the condition of existing structures to help determine the level of repair required. Nikhil has written several papers and prepared many presentations on this very topic. Nikhil can be reached at nikhilk@resourceinternational.com.

With over 18 years of experience, Todd Majdzadeh, Vice President of Resource International, Inc., has become an expert in ground penetrating radar (GPR) data acquisition, processing, interpretation, and report writing. He has served as project manager on numerous GPR-related projects, including bridge deck evaluations totaling over 20 million square feet. Projects have recently been completed in the following states: California, Colorado, Connecticut, Maryland, New York, Ohio, and Pennsylvania. He has also given numerous presentations on non-destructive engineering across the country. Todd can be reached at toddm@resourceinternational.com.



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Post Officers Election

The election for the 2009 Post Officers will be held during the December Monthly Meeting. Below is the slate of Officers that have been nominated. Write-in candidates will also be considered.

SLATE OF OFFICERS FOR 2009

President	Ralph Norman	Membership	Cheryl Brunty
Vice President	John Jaeger	Chaplain	Ron Eastham
Treasurer	Sandra King	Young Members Chair	Brian Ball
Secretary	Daniel Bailey	Publicity	April Brenneman
Assistant Secretary	Timothy Lilly	Director (2009-2010)	Lee Poplin
Sergeant at Arms	Gary "Mike" Fitzwater	Director (2009-2010)	Christopher Blevins
Director (2009)	Colonel Dana Hurst, (Ex-officio) (2008)		

Winter Technical Conference

Marshall University Chapter of the Society of American Military Engineers will be hosting a Winter Technical Conference on Thursday, January 29, 2009. The conference will be located in the Don Morris Room in the Marshall University Student Center. Fees for the conference will be \$125 for members of either ASCE or SAME and \$150 for non-members. There will be a variety of speakers including:

Tom Smith, Federal Highway Administration Mark Hammond, Army Corps of Engineers Jeff Russell, University of Wisconsin Paul Mattox, Jr, WVDOH Donald Williams, WVDOH Hany Farran, Cal Poly Pomona Peter Dailey, Rahall Transportation Institute Wael Zatar, Marshall University

Article submitted by: Corey Weaver
Marshall University SAME President

Student Leadership Workshop

The Huntington Post has nominated two students for the Student Leadership Workshop. Corey Weaver and Nathan Wagner, both from the Marshall University Student Chapter, will attend the workshop to be held in Los Angeles, California on February 10-12, 2009.

SAME Education and Mentoring Fund will cover the student's food and lodging during the workshop. Huntington Post will cover travel to and from Los Angeles.



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Sustaining Members of the Month

Name of Company: AMEC Earth & Environmental

Contact Names: Stevin Paznokas, Rebecca Sabraoui

Address: 11003 Bluegrass Parkway, Suite 690
Louisville, Kentucky 40299

email: stevin.paznokas@amec.com, rebecca.sabraoui@amec.com

Telephone: 502-267-0700

Fax: 502-267-5900

Website URL: www.amec.com

Description:

Operating in more than 40 countries and in 700 locations from the Australian outback to the Arctic, AMEC is one of the largest and most technically proficient environmental, engineering design and construction firms in the world. AMEC has completed crucial, time-sensitive projects for the Air Force, Army and Navy at bases in every time zone around the globe.

From Iraq to Guam, from Cape Cod to Cape Canaveral, from wind turbines to airfields, AMEC has delivered superb quality through the application of knowledge, innovation and technology. AMEC's core expertise, use of local offices and partnerships with premier technology vendors put world skills on your doorstep. This synergistic approach brings best value to clients in terms of both technical proficiency and timing/cost effectiveness.

But you need not take AMEC's word for the quality of its services – AMEC's excellence is recognized far and wide:

- AMEC's projects at Fort Dix earned five Golden Castle Awards and enabled the Army's RangeSafe Technology Demonstration Initiative to win an Environmental Excellence Award for innovative technology.
- Kerrigan Media International and Military Training Technology magazine named AMEC as one of the companies to have made the most significant impact in the military training industry over the past year, and the only company to have done so for its environmental and range sustainability capabilities.
- The Environmental Business Journal presented AMEC's Earth & Environmental Division with its top business achievement award as a large company. Presentation of the 2005 Gold Medal Award signifies excellence in business management and client satisfaction.

AMEC's services can be obtained through any existing AMEC ID/IQ contract vehicle, including several with AFCEE, National Guard, USACE, ACA, and General Services Administration. Additionally, AMEC has multiple Mentor-Protégé contractors.



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Sustaining Members of the Month (cont.)



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POINT OF CONTACT:

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