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DETROIT POST
DEDICATED TO THE NATIONAL DEFENSE

THE SOCIETY OF AMERICAN MILITARY ENGINEERS

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MAY 2009 SAME MEETING

TOPIC: CURRENT APPLICATIONS IN STREAM RESTORATION

(Earn 1 Professional Development Hour)

SPONSOR: Barr Engineering

SPEAKER: J. George Athanasakes, P.E., with Stantec, will discuss current applications in stream restoration. The design of streams using natural channel design methods is a complex process relying heavily on the use of field measurements. In order to properly design a stream, the designer must understand and measure geomorphic parameters within the project reach, have a thorough understanding of the watershed, and must verify that the designed stream will transport sediment without significant aggradation or downcutting of the existing channel bed. A very popular method for designing natural stream channels consists of measuring geomorphic parameters from a reference reach and then applying the reference reach parameters to the design reach through the use of dimensionless ratios. In this session, an overview of stream restoration including the reference reach approach to Natural Channel Design will be given. A short biographical summary is included in the attached newsletter.

DATE: Wednesday, May 13, 2009

TIME: 11:30 am until 1:00 pm Luncheon/Luncheon Speaker

PLACE: Doubletree Guest Suites Fort Shelby, 525 W. Lafayette Blvd., Detroit, MI

(Fort Lernoult Conference Room – located on the second floor of the Doubletree)

MENU: WHITEFISH – includes house salad, chef's choice of vegetable and potatoes, rolls and butter, freshly brewed coffee, decaffeinated coffee, iced tea and a dessert.

NOTE: Vegetarian meals are available only with advance registration.

PRICE: \$25.00

RESERVATIONS: E-mail Pam.Horner@usace.army.mil by noon May 11, 2009

BOARD OF DIRECTORS MEETING: Will be held at the Doubletree Fort Shelby, 10:30 a.m. Second Floor Conf. Rm., adjacent to the Fort Lernoult Conference Room.

SUSTAINING MEMBERS

A & H Contractors
Barr Engineering Co.
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DETROIT POST S.A.M.E. NEWSLETTER
MAY 2009

DETROIT POST WEB SITE: Please note that the Detroit Post web site is: www.same-detroit.org. You can find out about current meetings, and past meeting information.

JOB ANNOUNCEMENT: See announcement for opening for a Hyrdraulic Engineer position with the Detroit District - U.S. Army Corps of Engineers at the back of this newsletter.

ANNUAL MEETING: Please note that the May meeting constitutes the annual meeting for the Detroit Post S.A.M.E., and the voting for new officers and directors will take place at that meeting. The ballot was e-mailed separately to all Post members and copies will be provided at the meeting. If you cannot attend the meeting and wish to vote, please submit your completed ballot to the Post Secretary by May 11, 2009.

2009 REGIONAL CONFERENCE: The Detroit Post is pleased to announce that we are hosting the 2009 Regional Conference in Detroit, MI in 2009. The meeting is scheduled for August 11-13, 2009 at the Detroit Marriott Renaissance Center. The theme for next year's conference is: Building Beyond Tomorrow. Many exhibiting and sponsorship opportunities are available. Be sure to sign up early, as some of the prime sponsorship opportunities will sell fast!!! Over half of the exhibit booths have already sold. The conference web page is: www.same-detroit.org/09regional.html and more details will be uploaded in the next few days, so check often.

READINESS COMMITTEE: The Readiness Committee has updated the Readiness Plan. If you are a new Sustaining Member to SAME – Detroit Post, please submit your capability for Readiness to Drew Lonergan so he can include your firm in our current plan. Drew can be reached at (248) 264-4015.

EDUCATION/TRAINING: The Detroit post encourages members and sustaining members to submit articles to The Military Engineer or other professional journals. Please let us know when you submit articles so that we can include it in our Education/Training Streamer submittal for the Detroit Post, by e-mailing the Post Secretary at pam.horner@usace.army.mil.

PROGRAMS: The program schedule has changed, so an update of the upcoming meetings is listed below:

2009 SAME Program Schedule

May 2009	Current Applications in Stream Restoration
Jun 2009	Geotechnical Investigations for the New MDOT Bridge to Canada

HIGH SCHOOL GRANT: The 2009 High School Club Research Grant was awarded to Pinckney High School Robotic Club. See below for a description of their work.

A group of four high school juniors on Pinckney's robotic club have planned, designed and built a complicated workcell entirely on their own. Their workcell utilizes a programmable robot arm, a programmed logic controller, a computer numeric controlled mill and various fixtures to manufacture and package a small golf tee game board. The students used modern design methods and tools such as AutoCAD, a 3 dimensional printer, CNC machines, and various other computer applications to design and fabricate this workcell from scratch. This team developed important interpersonal skills such as planning, teamwork, patience, and problem solving that will help prepare them for a future in the fields of science and engineering.

The Pinckney Robotics Program will use this money to upgrade some of the robotics and automation equipment in their lab. Specifically, they would like to purchase a new intelligent vision system for a robot arm so that students can witness modern manufacturing techniques.

Congratulations to the Pinckney Robotics Program for their hard work and winning the 2009 High School Grant.

MEMBERSHIP: It is very important that you keep your membership contact information current. Without current contact information for our members, the Detroit Post and SAME HQ are unable to send out important membership information such as membership cards, certificates, magazines and invoices. Additionally, if SAME HQ does not have current information on members, the membership Post Roster reports will reflect outdated information and result in members not being contacted with important information. Currently, SAME HQ receives quite a bit of return mail and e-mail each month for incorrect addresses and/or no forwarding address. The U.S. Post Office charges a fee for returned mail and SAME HQ would prefer to put this money to better use.

You can update your contact information by using the change of address card found in every issue of *The Military Engineer* magazine, by mailing, faxing or e-mailing their change of address information to SAME HQ, or by going online to www.same.org/memberupdate. Keeping your contact information current benefits you and the entire Society.

Please be advised that presently the SAME Web site requires two different logins depending on the Web activity. For all members who wish to view “Member’s Only” areas such as Society, Regional and Post Operations, and Member Benefits must use their last name and six-digit numeric member ID. Individual members, who wish to update their contact information, must use the e-mail address we currently have on file for them and a unique password. If they do not know their password or have forgotten it, they can e-mail the membership department at member@same.org. Sustaining Members must use their last name, member ID and e-mail address in order to update their contact information using the web. If there is no e-mail on file in your membership records, you need to call SAME HQ membership department and have then input your e-mail.

Much effort is required to address undeliverable mail and we greatly appreciate your assistance in updating your contact information to make this job easier.

COMMITTEES:

PROFESSIONAL DEVELOPMENT: The Detroit Post offers Professional Development Hour (PDH) credits for attendance at designated SAME events. The Professional Development Committee will maintain records and track PDH credits earned by attendees at Post events. PDH certificates will be provided at the monthly luncheons meetings.

AFFILIATE SOCIETY: PLEASE VISIT THE ESD CALENDAR OF EVENTS FOR SCHEDULED EVENTS (www.esd.org)

SPEAKER BIO: George Athanasakes has a broad range of experience in Ecological Restoration including the use of natural channel design, stream and wetland restoration, watershed master planning and dam removal. For approximately 20 years, George has served as Project Manager on numerous stream restoration projects throughout the United States. George also led the development of the RIVERMorph Stream Restoration Software and is responsible for software content, new releases and training.

George serves as the Ecosystem Restoration Practice Leader for Stantec and is responsible for leading Ecosystem Restoration for the firm throughout the United States. George holds Bachelor’s of Science and Master’s of Engineering Degrees from the University of Louisville. He is also a Registered Professional Engineer in several states.

SUSTAINING MEMBER NEWS

Hello SAME Sustaining Members,

Monthly Sponsors – The Detroit Post invites one of our members to sponsor the monthly luncheon. The cost is \$300.00, which will pay for the room and equipment rental. You will also be given a 5-minute spotlight to present an overview of your company. Please contact Pam Horner is interested in sponsoring a monthly luncheon at pam.horner@usace.army.mil.

Hydraulic Engineer Job Announcement – U.S. Army Corps of Engineers, Detroit District

The U.S. Army Corps of Engineer, Detroit District's Great Lakes Hydraulics and Hydrology Office has an opening for a Hydraulic Engineer. This position will work on large and small scale water resources projects within the Great Lakes basin, including its connecting channels. Typical work efforts will involve developing 1 & 2-D hydraulic models, computing floodplain delineations, and collecting, managing, and analyzing large amounts of hydraulic data. Knowledge and experience with hydraulics, hydrology, and statistics are a plus. The Corps offers competitive benefits and flexible schedule options.

Job announcement # SWGJ09420205D can be found at www.cpol.army.mil

Click on "Employment" on the left side. Then "Search for Jobs" on the left tool bar. Then go to the bottom where it says "Search – announcement". Enter the announcement number. You must use the Army's resume builder to input and submit your resume. Please read the announcement closely and follow the necessary steps to apply. The opening closes on 05 May 2009.

For more information about the position, please contact Eric Tauriainen at 313-226-4886 or Eric.C.Tauriainen@usace.army.mil