



OFFICERS  
Donald C. Lauzon, LTC  
President  
Matthew Rathsack  
1st Vice-President  
Connie Boris, Ph.D.  
2nd Vice-President  
M. Pamela Horner, CHMM  
Secretary  
Carl L. Woodruff, P.E.  
Treasurer

DETROIT POST  
DEDICATED TO THE NATIONAL DEFENSE

THE SOCIETY OF AMERICAN MILITARY ENGINEERS  
P.O. Box 3026  
Detroit, Michigan 48231-3026  
(313) 226-6748 (Post Secretary)  
(313) 226-2013 (Fax)

DIRECTORS  
Steve English, P.E. (06)  
Patricia Novak (06)  
Anne Parker (07)  
Scott Bell, P.E. (07)  
Dianne Peck (08)  
Joseph Wanielista, P.E. (08)  
Scott Parker, P.E. (08)  
Larry Pawlus, P.E. (Past Pres)

## MARCH 2006 LUNCHEON

### TOPIC: DETROIT RIVER INTERNATIONAL CROSSING STUDY (Earn 1 Professional Development Hour)

The Michigan Department of Transportation (MDOT) is partnering with U.S. and Canadian agencies to study the potential environmental impacts of a new bridge or tunnel in southeast Michigan and southwest Ontario. The current phase of the Detroit River International Crossing (DRIC) study includes the completion of a Draft Environmental Impact Statement for public review and comment by early 2007. In his role as MDOT's Senior Project Manager for the DRIC study, Mohammed Alghurabi will be offering a background and update on its current status, including upcoming schedule and milestones. A short biographical summary is included in the attached newsletter.

**SPEAKER:** Mohammed S. Alghurabi, Michigan Department of Transportation  
**DATE:** March 8, 2006, Wednesday  
**TIME:** 11:30 am until 1:00 pm  
**PLACE:** Detroit Club, 712 Cass Ave, Detroit, MI  
**MENU:** Grilled New York Strip Steak - served with natural jus and simmered mushrooms. Meal includes vegetable, salad, fresh baked house rolls and butter, coffee and tea.  
**PRICE:** \$25.00  
**RESERVATIONS:** E-mail [Pam.Horner@usace.army.mil](mailto:Pam.Horner@usace.army.mil) by noon March 6, 2006

**BOARD OF DIRECTORS MEETING:** Will be held at 10:30 a.m. at the Detroit Club

#### SUSTAINING MEMBERS

Altech Environmental Services  
Bayshore Contractors, LLC  
Duro-Last Roofing, Inc.  
GZA GeoEnvironmental, Inc.  
Limno-Tech, Inc.  
Materials Testing Consultants  
Rowe Incorporated  
SOMAT Engineering, Inc.  
Trace Analytical Laboratory  
Woolpert

AMEC  
Blasland, Bouck & Lee, Inc.  
Earth Tech, Inc.  
HarleyEllis  
Luedtke Engineering Co.  
Montgomery Watson Harza  
RTI Laboratories, Inc.  
Stanley Consultants  
URS Corporation

ARCADIS  
Capitol Consultants, Inc  
Environmental Consulting & Tech  
Inter-Fluve. Inc.  
MACTEC  
NTH Consultants, Ltd.  
SAIC  
Testing Engineers & Consultants  
Wade-Trim

Barr Engineering Co.  
DLZ Michigan, Inc  
Gourdie/Fraser & Assoc.  
Lakeshore Eng Services  
Malcolm Pirnie Inc.  
PA Consulting, Inc.  
Short Elliott Hendrickson, Inc.  
TetraTech MPS  
WESTON Solutions, Inc.

**DETROIT POST S.A.M.E. NEWSLETTER**  
**MARCH 2006**

**DETROIT POST WEB SITE:** Information about the Detroit Post S.A.M.E., including monthly newsletters, is available on our web site: <http://posts.same.org/detroit>. Please pass this newsletter on to your fellow members, potential members, and interested visitors.

**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](http://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](mailto: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.

**WELSH SCHOLARSHIP:** The Scholarship Committee has made contact with several universities for both the ROTC and Civilian award nomination.

**Each Scholarship Amount - \$1500**

Information on the Welsh Scholarship can be obtained from our web site <http://posts.same.org/detroit> or by contacting Pam Horner at (313) 226-6748.

**LOCAL ELECTION:** The Nominating Committee is preparing a Slate of Officers and Directors for the Post's 2006-2007 Session. Two Director positions (3-year terms) and all of the Post's officer positions (1 year term) will need to be filled. Any individual interested in one of the vacant positions should contact Ms. Horner at (313) 226-6748 (Post Secretary). Director positions, which provide an excellent opportunity to assist in the Post's management, have been historically filled with representatives from the Post's Sustaining Member firms. It is also the Nominating Committee's goal to fill at least one of the offices of President, Vice-President, or 2nd-Vice President from a Sustaining Member firm.

**COMMITTEES:** Cathy Misko has volunteered to chair the Readiness Committee. The committee is in need of volunteer committee members. If you have an interested in Readiness and Homeland Security, please volunteer for this committee. There are new requirements from National for this committee and it will require active participation throughout the year. If interested in learning more about this position, or volunteering, please contact Pam Horner, Post Secretary at 313-226-6748.

**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. At the end of the program year, credits will be documented. If you need a copy of your credits, please contact the chairperson, Mr. Scott Bell. If you have any questions, feel free to contact Mr. Bell at (734) 332-1200 or by e-mail at [sbell@limno.com](mailto:sbell@limno.com).

**HIGH SCHOOL GRANT:** The application period for the grant for the High School Club Research has been extended. A High School Club Research Grant will be awarded for science and engineering clubs at the high school level in the metro Detroit school districts. Application information and the application are provided at the end of this newsletter.

The purpose of this grant program is to award a \$1500 grant to high school clubs that conduct research. Last year the award was given to the Radio Astronomy Club at Grosse Pointe North High School that actually built a radio telescope on the top of the high school roof so they could conduct research on stars. Typically, members of high school clubs have to fund their research out of their own pockets and it is a financial hardship for the students and the teacher. This grant program helped ease their need for research funding. Help us get the word out to local high schools. The scholarship committee will make contact with local schools to apply for the grant. Any questions should be directed to Connie Boris, Scholarship Chairperson, at 313-881-2240.

**AFFILIATE SOCIETY:** See the following announcement sponsored by the Engineering Society of Detroit:

#### **Winter 2006 FE/PE Review Courses Announced ▲**

Fundamentals of Engineering (FE) Part I

Dates: January 31 – April 6, 2006

Times: 6 – 9 p.m., Tuesdays and Thursdays

Location: Southfield, Michigan

State Exam Date: April 22, 2006

Principles & Practice of Engineering (PE) Part II

Disciplines: Chemical, Civil, Electrical, Environmental, Mechanical

Dates: February 18 – April 1, 2006

Times—Electrical, Chemical & Civil: 8:30 a.m. – 12:30 p.m., Saturdays

Times—Mechanical & Environmental: 1 – 5 p.m., Saturdays

Location: Southfield, Michigan

State Exam Date: April 21, 2006

For more information and to register for courses, visit <http://www.esd.org> or contact Fran Mahoney: 248-353-0735, ext. 4116, or [fmahoney@esd.org](mailto:fmahoney@esd.org).

FREE Information Session on Earning Your PE License

ESD is also offering free information sessions on earning your PE license. The sessions will be held at the following locations:

- SOUTHFIELD: ESD Headquarters, November 19, 9:30 a.m.-11:00 a.m.
- FLINT: Kettering University, November 30
- DETROIT: December 1
- LANSING: December 6
- ANN ARBOR: December 7

If you can hold a free seminar at your workplace, please contact Fran Mahoney at 248-353-0735, ext. 4116, or [fmahoney@esd.org](mailto:fmahoney@esd.org) for details.

### **2006 ESD Engineering and Technology Job Fair ▲**

Thursday, February 16, 2006

2 - 7 p.m.

Southfield Town Center Atrium, 2000 Town Center

If you are looking for a job in any engineering or technology discipline, this is the job fair for you!

With over 800 attendees in 2005, you will not want to miss ESD's 2006 Engineering & Technology Job Fair, presented by the ESD Young Engineers Council.

Some of Michigan's largest engineering, technology, and management companies will be recruiting in all disciplines—chemical, civil, computers, design, electrical, architecture, environmental, manufacturing, mechanical, technical, and other technology-related fields.

For more information and to register for this event, visit <http://www.esd.org>, or contact: Ramona Spencer at [rspencer@esd.org](mailto:rspencer@esd.org), 248-353-0735, ext. 4114.

### **35th Annual ESD Affiliate Council Gold Award Banquet ▲**

Wednesday, February 22, 2006

The Dearborn Inn Marriott

Celebrate National Engineers' Week with ESD as we honor the engineering profession.

During this gala evening, the ESD's Affiliate Council and the Affiliate Societies will honor and congratulate members who have distinguished themselves through outstanding achievement and service within their respective societies.

In addition, the ESD College of Fellows will perform the Order of the Engineer Ceremony, where engineers receive their Engineer's Ring.

Individual Society Awards Deadline: January 18, 2006

For more information on, or to sponsor, this event, contact: Kevin Miller: 248-353-0735, ext. 4120, or [kmiller@esd.org](mailto:kmiller@esd.org).

### **2006 DTE Energy Conference & Exhibition in Partnership with The Engineering Society of Detroit ▲**

Thursday, March 23, 2006

Rock Financial Showplace, 46100 Grand River Avenue, Novi

(1 block west of Novi Rd.)

In just one day you'll learn about the latest innovations in alternative energy sources and energy efficiency from executives who represent such various fields as automotive manufacturers and suppliers, health care, banking, state environmental control, energy distribution and sustainable development.

Thanks to ESD and DTE, you'll have the opportunity to attend this energy conference and exposition—one of the largest in metropolitan Detroit.

This event is expected to have 100 exhibitors and attract 1,000 attendees.

Count yourself among those in the know!

**For more information on exhibiting, sponsoring or attending**, contact Tim Walker: 248-353-0735, ext. 4115, or [twalker@esd.org](mailto:twalker@esd.org).

---

**ESD-Sponsored Event**

**Engineering, Management & Operations Expo ▲**

March 29-30, 2006

The Engineering Society of Detroit is a proud sponsor of the Michigan Facilities Expo on March 29-30, 2006 at Rock Financial Showplace in Novi. The Expo is a free two-day trade show that features a wide array of products and services along with educational seminars. Serving the full spectrum of facilities, the Expo will help you find solutions and explore new technologies to help your company succeed in today's competitive marketplace. Facilities can include, but are not limited to: commercial, industrial, educational, government, healthcare, hotel and resort, distribution and warehousing. For more information, visit <http://www.facilitiesexpo.com> or call 800.827.8009 for Jim Rothenberg ext. 4422 or Erin Sparks ext. 3341.

---

**ESD 17th Annual Solid Waste Technical Conference ▲**

Monday and Tuesday, April 3-4, 2006

Explore issues and regulatory changes that affect the solid waste industry at this 2-day conference organized by ESD.

**Pre-conference training:** Monday, April 3, 2006.

**Conference:** Tuesday, April 4, 2006

Kellogg Hotel & Conference Center—campus of Michigan State University  
East Lansing, MI.

**For more information on exhibiting or attending,** contact Tim Walker: 248-353-0735, ext. 4115, or [twalker@esd.org](mailto:twalker@esd.org).

---

**WORKING IN THE FUTURE: Balancing People, Process and Place ▲**

May 3, 2006, 7:00 am – 1:30 pm

Imagine yourself in the “perfect” work environment. When we start to look at all aspects of our work life – people, process and place, we will see productivity like we have never seen before.

In the coming years, we will enjoy work environments that allow us to:

- Adapt quickly to your customers' needs
- Collaborate efficiently with colleagues
- Maximize personal job satisfaction
- Do more with less
- Improve your bottom line

Don't let your business be left behind! Please join us to learn what the future holds for you.

**Web:** [http://ww2.esd.org/EVENTS/2006-05\\_Emergency.htm](http://ww2.esd.org/EVENTS/2006-05_Emergency.htm)

**For more information:** contact Nancy Strodl at 248-353-0735, ext. 4152, or [nstrodl@esd.org](mailto:nstrodl@esd.org).

---

## **Emergency Preparedness Workshop ▲**

May 23, 2006, 7:00 am – 12:00 pm

Just a little bit of preparation can go a long way in preparing for the unlikely. The Engineering Society of Detroit is sponsoring an Emergency Preparedness Workshop where you will have the opportunity to craft the outline of your own personalized Emergency Response Plan. Join experts in this “hands-on” event. Investing just a half-day of your time WILL make all the difference in the world when it comes to recovery from disaster.

**Web:** [http://ww2.esd.org/EVENTS/2006-05\\_Emergency.htm](http://ww2.esd.org/EVENTS/2006-05_Emergency.htm)

**For more information:** contact Nancy Strodl at 248-353-0735, ext. 4152, or [nstrodl@esd.org](mailto:nstrodl@esd.org).

### **ANNOUNCEMENTS**

## **32nd Annual Construction and Design Awards Call for Nominations ▲**

**Nominations Due: February 27, 2006, by 5 p.m.**

The Engineering Society of Detroit’s Construction and Design Awards are among the premier honors bestowed on members of the construction industry and their projects. These awards are unique in that they acknowledge the three primary members of the building team—owners, designers and contractors—and recognize outstanding team achievement and the innovative use of technology.

### **Entries may be submitted for:**

- New Buildings or Significant Construction
- Renovations and Additions
- Significant Engineered Systems
- Significant Restoration, Redesign and Renovation of historical structures and engineered systems in Michigan

**For nomination requirements and criteria,** visit <http://ww2.esd.org/AWARDS/Construction-Design.htm> or contact Nancy Strodl at 248-353-0735, ext. 4152, [nstrodl@esd.org](mailto:nstrodl@esd.org).

### **2005 Winners:**

- Campus Martius Park, Detroit
- Compuware Headquarters, Detroit
- Ferris State University Granger Center, Big Rapids
- Ford Rouge Center Site Revitalization, Dearborn
- The Rapid Central Station, Grand Rapids
- University of Michigan Hill Auditorium, Ann Arbor
- William Beaumont Hospital South Tower Addition, Royal Oak

**SPEAKER BIO:** Mohammed Alghurabi is the Senior Project Manager for the Detroit River International Crossing (DRIC) Study at the Michigan Department of Transportation (MDOT). He was also the project manager of the final design of the M-6 South Beltline project. Michigan's newest freeway was opened on November 17, 2004. He just

recently led the preparation of the Final Environmental Impact Statement for the improvement of I-94 between I-96 and Conner Avenue in Detroit. One of his earlier assignments was project manager of the I-375 East Riverfront Area in Detroit.

Mohammed has 15 years experience, the last 11 years with the Michigan Department of Transportation. He holds a Bachelor of Science degree in Civil Engineering from Wayne State University (1989). Mohammed moved to the U.S. in 1984. He and his wife, Diana, just celebrated their 16th wedding anniversary.

\*\*\*\*\*

**SUSTAINING MEMBER NEWS**

\*\*\*\*\*

**LUNCHEON SPONSORS:** The Detroit Post is requesting Sustaining Member firms volunteer to sponsor our monthly luncheons to cover costs for room/equipment charges at our meeting facilities. These room charges are \$200 and are not covered by the meal prices at the luncheons. Any firm interested in the opportunity to sponsor our monthly luncheons, please contact Pamela Lemme, Chairperson, Sustaining Member Committee at 734-753-5993 (plemme@cscos.com). The sponsoring firm is allowed a 5 minutes presentation on their firm's capability at the luncheon.

**HIGH SCHOOL MINI-GRANT INFORMATION & APPLICATION:** See next two pages.

# **SOCIETY OF AMERICAN MILITARY ENGINEERS**

## **DETROIT POST**

### **COMMUNITY OUTREACH MINI-GRANT FOR HIGH SCHOOLS**

**SUBJECT:** Eligibility Criteria for the High School Mini-Grant presented by the Detroit Post of the Society of American Military Engineers.

Annually the Detroit Post of the Society of American Military Engineers (SAME) takes great pride in recognizing high school student groups that work to advance scientific research that has practical applications to the military or the community or advances basic science of understanding of the natural world.

The Detroit Post SAME is now soliciting nominations for the annual mini-grant research award. This year's mini-grant award will be \$1,500.00

To be eligible for this mini-grant, the following must be submitted by February 28, 2006:

A completed mini-grant application form describing the basic research project proposed by the high school student group and practical applications of the proposed research.

A letter of recommendation from a high school teacher working with the group of high school students in their scientific endeavor.

Other financial aid held by the high school student group will not exclude eligibility.

Applications for the high school mini-grant may be E-mailed to [Pam.Horner@usace.army.mil](mailto:Pam.Horner@usace.army.mil) or mailed to:

Pam Horner, CELRE-PL-E  
U.S. Army Corps of Engineers  
P.O. Box 1027  
Detroit, Michigan 48231-1027

The application may also be faxed to Ms. Horner at (313) 226-2013.

## **APPLICATION FOR HIGH SCHOOL MINI-GRANT**

**High School Applicant:**

**Address:**

**Contact Name and Phone Number:**

**Purpose of Project or Research Interest:**

**Scope of Research:**

**Potential Practical Applications:**

**Time Schedule for Completion (may extend over 2 years):**

**Submit Application to Pam Horner no later than February 28, 2006**