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DETROIT POST
DEDICATED TO THE NATIONAL DEFENSE

THE SOCIETY OF AMERICAN MILITARY ENGINEERS

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NOVEMBER 2005 LUNCHEON

TOPIC: Large Scale Ecosystem Restoration: Issues & Opportunities in the Great Lakes and Beyond
(Earn 1 Professional Development Hour)

Approaches to water resources planning and management have evolved considerably in recent decades, with large scale ecosystem restoration, protection and sustainable use initiatives gaining favor with the Administration, Congress, relevant states and stakeholders. These initiatives feature complex, multi-agency and multi-jurisdictional management frameworks, and integrate environmental, economic, social and cultural considerations. The current Great Lakes Regional Collaboration is a reflection of this trend, as are other initiatives in Florida's Everglades, coastal Louisiana, Chesapeake Bay, and the Gulfs of Mexico and Maine, among others.

This presentation will explore this trend, with a special emphasis on the genesis, content, current status and prospects for a large scale Great Lakes ecosystem restoration initiative. Based on his 20 years' experience in a Great Lakes leadership capacity, Donahue will share his thoughts on Great Lakes governance, key considerations to ensure success with ecosystem restoration efforts and, from a practical standpoint, what the future might bring with respect to new funding for programs and projects. A biographical summary of Michael Donahue is included in the attached newsletter.

SPEAKER: Michael J. Donahue, Ph.D., URS Corporation

DATE: November 9, 2005, Wednesday

TIME: 11:30 a.m. until 1:00 p.m.

PLACE: Detroit Club, 712 Cass Ave., Detroit, MI

MENU: Sautéed Veal Piccata lightly battered and served with a lemon wine butter sauce and topped with citrus gremolata, dinner rolls, coffee and tea.

PRICE: \$25

RESERVATIONS: E-mail Pam.Horner@usace.army.mil by noon 7 November 2005

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
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**DETROIT POST S.A.M.E. NEWSLETTER
NOVEMBER 2005**

DETROIT POST WEB-SITE: Information about the Detroit Post S.A.M.E., including monthly newsletters, are available on our web site: <http://posts.same.org/detroit>. You can find out details about our upcoming meetings. Please pass this site on to your fellow members, potential members, and interested visitors. **IMPORTANT: Please update your e-mail addresses at the SAME web page under membership information.** The membership lists from the National office are used for monthly e-mailing. Also, if you have obtained an e-mail address, please update your membership information as it will save the Post postage.

COMMITTEES: The Detroit Post is looking for a volunteer to chair the Programs Committee, Readiness Committee and Affiliate Society Representative. If interested in learning more about these positions, 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.

HIGH SCHOOL GRANT: 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. 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 financially hard on the students and the teacher. So, this program helps 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.

LEFEVRE SCHOLARSHIP AWARD: The Detroit is now accepting nominations for the Mary LeFevre Scholarship Award. The Detroit Post established the Mary LeFevre Scholarship Award in memory of a very dedicated employee of the U.S. Army Corps of Engineers, Detroit District. While working full time, Mary LeFevre's diligence and pursuit of excellence included completion of a Bachelor's degree. She was an inspiration to all individuals that knew her personally and professionally. The scholarship is awarded annually to an individual that is working at least 24 hours per week and is also currently enrolled in an accredited college.

Scholarship Amount - \$1500

Criteria: must be pursuing a bachelor's degree in their chosen field of study while working at least 24 hours per week

Eligibility criteria and a nomination form can also be obtained from our web site <http://posts.same.org/detroit> or by contacting Pam Horner at (313) 226-6748. Any questions can be directed to Ms. Horner. The scholarship will be awarded at the February '06 meeting.

Deadline: All applications must be submitted by January 20, 2006 to:

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

They can also be faxed to Ms. Horner at (313) 226-2013.

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

2006 Economic Forecast for Design and Construction Conference ▲

Wednesday, October 26, 2005

Don't gamble on the future of your company. Gain valuable knowledge and understanding about what to expect next year in the design and construction arena by attending ESD's Economic Forecast Conference.

The first Annual Design & Construction Industry Summit Award will be presented to noted economist **David L. Littmann** in recognition of his contribution to the Michigan economy. Mr. Littmann will also deliver the keynote address.

Let these experts enlighten and inform you about upcoming opportunities in your market segment:

- **HEALTH CARE SECTOR: James D. Scott, PE**, Manager, Health Facilities Engineering Section, Bureau of Health Systems, Michigan Department of Community Health.
- **AUTOMOTIVE SECTOR: Bernard F. Swiecki**, Automotive Industry Analyst, Center for Automotive Research.
- **STATE OF MICHIGAN: Okey Eneli, PE**, Director, Office of Facilities, Michigan Department of Management and Budget
- **EDUCATION SECTOR: Archie K. Lytle IV, JD, PE**, Director of Technology, Public Education Group, and **Rolland Schlosser, AIA**, Director of Planning Services, Public Education Group, Barton Malow Company
- **COMMERCIAL, RETAIL & INDUSTRIAL SECTORS: Paul J. Beitz**, Senior Vice President, Trammell Crow

To register for this event or for more information: visit http://ww2.esd.org/EVENTS/2006_EconomicForecast.htm or call Nancy Strodl at 248-353-0735, ext. 4152 or nstrodl@esd.org.

e-Construction III: Dreams & Realities ▲

November 9, 2005

DoubleTree Novi

Since ESD's last e-Construction Conference in 2002, the use of technology in the construction and design arena has branched off into new and exciting realms. Don't miss this opportunity to learn what new phrases, such as BIMS (Building Information Modeling Systems), mean to you and your firm.

Stay competitive by attending this third in a series of innovative conferences.

Owners, design professionals, construction managers, contractors, subcontractors, consultants and all others involved in the AEC arena will benefit from the conference's presentation of fresh new ideas and innovative new construction practices.

Agenda

- **OVERVIEW:** Les Snyder, National Chairman of the Building Division, Associated General Contractors
- **WEB-BASED PROJECT MANAGEMENT:** Anthony J. Cirillo, Jr., Washington Group International,
- **3D DOCUMENTATION:** Robert A. Stevenson, PE, Senior Vice President, Ghafari Associates
- **BUILDING INFORMATION MANAGEMENT SYSTEMS (BIMS) PANEL**
 - Pat Devlin, Building Trades
 - David M. McKowen, Spectrum Strategies
 - David Pacifico, Pacifico Associates
 - Bentley Systems
 - AutoDesk
- **BAR CODING AND ELECTRONIC TAGGING:** William B. Mallory, DTE Energy
- **SMART CONCRETE:** Chuck Binkowski, Barton Malow Company
- **EDS VIRTUAL REALITY CENTER:** Scott Aubuchon, EDS Virtual Reality Center

- **ELECTRONIC BIDDING SYSTEM:** Carol Rademacher, Construction Contracts Section, Michigan Department of Transportation
- **WIRELESS OAKLAND:** R. Scott Oppmann, Oakland County Information Technology

To register for this event or for additional information: Visit http://ww2.esd.org/EVENTS/2005_eConstruction.htm or contact ESD's Nancy Strodl at (248) 353-0735, ext. 4152, or nstrodl@esd.org.

“Superhighway to Success” Career Fair ▲

November 16, 2005
Pontiac Silverdome

Do you know students in grades 8 through 12 who would like to get a jump-start on their career? Did you know that you can play a part in their success?

Here's how: tell them about, and get involved in, the “Superhighway to Success: Career Pathways for the 21st Century,” a mega-career fair presented by Automation Alley, Oakland County and Oakland Schools.

More than 20,000 students, 300 businesses and 30 post-secondary institutions are expected to participate.

For more information, visit: <http://www.superhighwaytosuccess.org> or call (800) 427-5100.

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.

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:

- **EAST LANSING:** Michigan State University, November 2, 7:30 p.m.
- **TROY:** November 10, time TBA
- **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 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're looking for a job in any engineering or technology discipline, this is the job fair for you!

With over 800 attendees in 2005, you won't 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, 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.

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

Nominations Deadline: November 30, 2005

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.

Engineers Working with Kids: ESD Michigan Regional Future City Competition ▲

October 2005 – January 2006

Are you looking for an immensely rewarding experience that will impact the future of engineering as a profession? If so, be a mentor for the Future City Competition.

The competition is a team-based program consisting of 7th and 8th grade students, a teacher and an engineer mentor. As a mentor, you'll be playing a key role in this program, which challenges students to design a fully functioning city of the future.

Acting as a technical advisor, you'll work with your team through all phases of the competition and show students how engineers transform ideas into reality—and have fun in the process!

Share your expertise and show future generations that engineering is an interesting, creative career choice.

THE FOLLOWING SCHOOLS ARE IN NEED OF MENTORS

DETROIT METRO AREA:

- **Academy of the Sacred Heart**, Bloomfield Hills, Bet. Long Lake and Wattles
- **Anderson Middle School**, Berkley, Catalpa near Coolidge
- **Bemis Junior High**, Sterling Heights, 19 Mile Road
- **Brake Middle School**, Taylor, Pine
- **Cedar Crest Academy**, Clarkston, Dixie Highway
- **Charles E. Brake Middle School**, Taylor, Telegraph/Northline
- **Detroit Country Day**, Beverly Hills, 13 Mile and Lahser

- **Derby Middle School**, Birmingham, 15 Mile and Adams
- **East Catholic School**, Detroit, Off I-94 Bet. Moross and Kelly
- **Hazel Park Junior High**, Hazel Park, 9 Mile and John R
- **Marist Academy**, Pontiac, Giddings Rd.
- **Norup Middle School**, Oak Park (Berkley), 9 Mile Area
- **Our Lady of Refuge**, Orchard Lake, Commerce and Orchard Lake
- **Warner Middle School**, Farmington Hills, 14 Mi. Bet. Middlebelt and Northwestern

OUTSIDE THE METRO AREA:

- **Fort Gratiot Middle School**, Fort Gratiot, Port Huron Area
- **Holmes Middle School**, Flint, N.W. Side Carpenter and Clio
- **Landmark Academy**, Kimball, Lapeer Road
- **Paramount Charter Academy**, Kalamazoo, Westnedge Avenue
- **White Pine Middle School**, Saginaw, Center Rd.
- **Whittier Middle School**, Flint, Crapo Rd.

If you'd like more information or are interested and can volunteer at least 40 hours of your time between October 2005 and January 2006, contact: Nancy Strodl, at 248-353-0735, ext. 4152, or nstrodl@esd.org.

SPEAKER'S BIO: Dr. Michael J. Donahue is corporate Vice President with URS Corporation, a global consulting firm specializing in planning, engineering, architectural and design services. Donahue focuses on water resources and environmental services for national and international clients and, among others, is leading ecosystem and coastal restoration initiatives in the binational Great Lakes region and the Gulf Coast. He has 25 years of public and private sector experience in all aspects of program and project design, development and management and implementation. Areas of special expertise include water resources planning, management and policy; organizational design, operations and leadership; and government, industry and community relations.

Donahue's experience includes executive leadership positions in the public sector, where he served for 17 years as President/ Chief Executive Officer of the Great Lakes Commission, a binational agency specializing in planning, policy, technical services and project management. Dr. Donahue holds appointments on a number of national and international advisory and policy boards, serving as Vice Chairman of the Chief of Engineer's Environmental Advisory Board and U.S. Chairman of the Science Advisory Board, International Joint Commission. He presently holds adjunct faculty appointments at the University of Michigan and Michigan State University, where he is actively engaged in teaching, research, writing and consulting on a range of water resources and related environmental topics.

Dr. Donahue is a three time graduate of the University of Michigan, with an undergraduate degree in Resource Policy and Management, a master's degree in Public Policy, and a doctorate in Urban, technological and Environmental Planning.

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.