

Message from the President



Hi all,

The March meeting was a great success. We had over 120 people at the meeting including approximately 30 students from Johns Hopkins, Morgan State and the University of Maryland at College Park.

Because of the snow canceling our February meeting the March meeting was packed with activities. During dinner we first had the University of Maryland at College Park Student Chapter give a presentation on the upcoming ASCE 2007 Mid-Atlantic Regional Conference that they will be hosting later this year on the weekend of May 5th & 6th (They are looking for sponsors and judges). When Johns Hopkins hosted this event two years ago, I was a judge for the concrete canoe and it is definitely a worthwhile experience. I was very impressed with all the presentations that were made; the students' power points and displays were of the highest quality, and the presenters were calm and collected during the question and answer portion. The only breakdowns that any of the students experienced were when they had to actual maneuver their canoes, which made a damp chilly day quite enjoyable. This year I think I will stay dry and judge the steel bridge portion.

We then had the Dean from the School of

IT'S TIME TO VOTE.

Please use ballot included in this issue to vote for Section Officers of the Maryland Section ASCE.

SAVE THE DATE!!
MEMBER APPRECIATION NIGHT
THURSDAY JUNE 14, 2007
from
6:00 PM TO 9:30 PM
at
BOORDY VINEYARDS
Details to Follow

Engineering give us an update on what is happening with the program and how the students are doing, both in the program and in acquiring employment. In each they are doing well.

Our speaker for the evening, Ms. Anne Pearson, Director of Alliance for Sustainable Communities gave a wonderful presentation. She went over several projects, locally, nationally and internationally that were using innovative techniques to reduce runoff. There was a lively question and answer period after. With all Stormwater Management Practices we need to validate the practice and see that it does, not only in the short term but long term also, produce the desired results.

After the speaker we then announced the recipients of this year Scholarships who are:

- Renne Marshal – University of Maryland College Park
- Eric Deuser – Johns Hopkins University
- Raquel Reed - Morgan State University
- Darryl Richardson – Morgan State University

The ASCE Scholarship Fund raised over \$14,000.00 this year with the Indoor Golf and Silent Auction. THANK YOU to all the participants and to the Scholarship Committee for another record year.

To end the night we had the drawing for the Scholarship Raffle, and it only seemed fitting that the student recipients would pick the winners, who are:

- 1st: Dick Evans, McCormick, Taylor and Assoc.
- 2nd: Marc Halpin, Greenman-Pedersen
- 3rd: Kevin Johnson, Michael Baker, Inc.

Again congratulations to the winners and thanks to all those who purchased tickets.

I would also like to report that the Geotechnical Committee had an organizational

meeting in early March and is now looking for ideas and participation from not only the Geotechnical community but all interested parties. I believe that a meeting is tentatively scheduled for sometime in May. Anyone who wants to help out or wants more information please contact Greg Simmons (gesimmons@haywardbaker.com).

Also in the works is a possible meeting on the Eastern Shore. There will be a letter going out shortly to those on the Eastern Shore requesting input and setting a date for on organizational meeting. If anyone has any questions please email me (JMalinowski@Members.ASCE.org) and I will pass it on the organizers.

This month we will be hosting, from Johns Hopkins University, The Richard J. Carroll Memorial Lectureship. Our speaker will be Dr. Greg Deierlein, Ph. D. and his topic will be Performance based Earthquake Engineering. I am looking forward to his presentation.

Next I would like to get some input from the membership on the ASCE Report Card. The Board is looking into what it would take and what the benefits would be to produce a Maryland Report. At this time Chris Heyn (cheyn@kci.com) is gathering information and I ask that you send him any comments or questions.

I want to remind everyone that we will be going to the Boordy Vineyards for the Members Appreciation Meeting in June. This year it will be on June 14th which is a THURSDAY not Wednesday like our normal meeting date.

I would like to again apologize for not having the March Newsletter out before the meeting. This was due to my letter not getting to the Editor in time. Also we have been sending out an email notification about the meeting, generally on the Friday before the meeting. We get the email address from



Kenneth M. Johns P.E., has been promoted to Associate at Wallace, Montgomery & Associates. Ken is a graduate of the Baltimore Polytechnic institute and holds a BS degree in Civil Engineering from the University of Maryland. He is a registered Professional Engineer in Maryland,

Delaware, Virginia and West Virginia. Ken has over 37 years of experience on a wide variety of civil engineering projects, including utilities, storm drainage and highways. Ken will be chief of WM&A's Utility Design Division and will be responsible for planning, design and construction services for water, sewer, and utility conduit projects for both public agencies and private clients.

Michael N. Young, P.E. has recently joined RJN Group, Inc. as a Project Manager for RJN's Wheaton Office. He will provide water, wastewater and municipal engineering services. Mr. Young earned a Master of Science Degree in Environmental Engineering and a Bachelor of Science Degree in Civil Engineering from the University of Illinois in 1995 and 1994, respectively. He brings over 11 years of experience in the design and management of stormwater, sanitary sewer, and water utility projects, as well as site design and water and wastewater treatment projects.


James Liubicich, P.E. recently joined RJN Group, Inc. as a Senior Project Manager for RJN's Wheaton Office. He will provide technical support on the municipal market for environmental engineering services. Mr. Liubicich earned a Bachelor of Engineering from Cooper Union for the Advancement of Science and Art in 1983. He brings over 20 years of experience in the management, operation, design, planning, and construction of wastewater treatment facilities and public works projects to the firm. Mr. Liubicich has been involved in all aspects of project delivery, most recently overseeing both an O&M Program of \$4.2 million and a Capital Improvement Plan of \$10 million for a 16 MGD High Purity Oxygen Activated Sludge System in Glen Ellyn, Illinois. He has also performed system design for wastewater treatment plants ranging from 1 to 300 MGD.

Mr. Liubicich specializes in all aspects of wastewater treatment engineering. Some of his most notable experience includes leading the New York City Department of Environmental Protections Process Control Section, while initiating the End of Ocean Disposal of Sludge with the Start-up of New York City's 400DT/D Dewatering Facilities. He was also responsible for Pilot Testing Biological Aerated Filtration at the 310 MGD Newtown Creek WPCP in Brooklyn, New York and Full-Scale Testing of IFAS Technology at the 20 MGD Deep Aeration Activated Sludge Plant in Mamaroneck, New York.

Celebrate the Ingenuity of the Civil Engineering Profession

Limited seats are available for this year's Outstanding Projects and Leaders (OPAL) Awards on April 25 in Washington, D.C. Help honor the profession's accomplishments and recognize those you who pave the way for the next generation of engineers, by attending what has been called the preeminent civil engineering event of the year.

Tickets are available for purchase online (www.asce.org/opal) or by contacting Patty Montgomery at (800) 548-2723 x6101 or pmontgomery@asce.org. Tickets for the Gala are \$275 each or tables of eight are available for \$2,000 (all but \$115 of each ticket purchased is tax deductible). Sponsorships are available through the ASCE Foundation at (703) 295-6347.



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MD Section ASCE Newsletter Younger Member News

by Carrie Nicholson, Younger Member Section Newsletter Editor
<http://www.asce.org/gsd/sections/mdasce/ym.htm>



Don't delay, become a PE today

It's that time of year that licensure might be on more engineers' minds than usual. Planning for professional distinction and licensure begins in college, but only in April and October can you sit for the Principles and Practice of Engineering (PE) exam. This year's exams are April 20 and October 26.

To the public being a professional engineer isn't just about tacking two letters to the end of your name, but also suggests experience, education, and judgment, says the National Society of Professional Engineers (NSPE). The NSPE asserts that licensure "gives you credibility and flexibility" and it "shows that you're committed to self improvement and that you have initiative."

In confirming your commitment to the profession, licensure can set you apart from your colleagues. According to ASCE, only about 20% of the engineering population has their PE. Licensure may boost your likelihood of receiving salary increases and promotions. It enhances your career potential freeing you to make important career decisions among a wider range of career opportunities than are available to unlicensed engineers.

Remember, only licensed engineers can use the title engineer and offer engineering services directly to the public since only they can seal engineering work. In turn, only licensed engineers can become consultants or open their own firms.

Contact the relevant state or territory's licensing board to outline licensing and exam requirements. Visit the National Council of Examiners for Engineering and Surveying (NCEES) at www.ncees.org for PE exam specifications, available study materials, and other exam information.

Good luck to colleagues sitting for the PE exam on April 20th. Look for registration material before the next exam sessions on October 26, 2007 and April 11, 2008.

Happy Hour with ASCE YM!

Come out and join fellow MD Younger Members at happy hour on Wednesday, April 25 at Mad River Grill in Federal Hill (www.madriverbaltimore.com). For all those who will have just taken the PE, unwind in good company and celebrate the coming of spring. Light fare will be provided by the ASCE Younger Member Group.

Attention Volunteers

Baltimore Hosts 2008 Regional Leadership Conference

Next year, Baltimore will serve as host of the Regional Leadership Conference. While past conferences have consisted only of ASCE sections near the coast from Washington, DC to Maine, the 2008 conference will invite all sections east of the Mississippi River.

The Younger Member group is responsible for organizing the Younger Member portion of the conference including speakers, an evening reception, and social activities. All members of the Maryland section, not just Younger Members, are encouraged to help with planning and organizing the conference.

If you have questions or would like to get involved, then contact Todd Eckhart, 2008 NERYMC Conference Chair, at teckhart@members.asce.org.

Help Build Ruxton Ridge School's New Playground

The Ruxton Ridge School needs volunteers to give their energy and skills toward possible design/CADD work and construction on a site plan for their new playground. Construction will start middle to late spring. If you're interested in volunteering, contact Dan Noecker at Daniel.Noecker@jacobs.com for more information.

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LOCAL HISTORY AND HERITAGE OF CIVIL ENGINEERING



THE CARROLLTON VIADUCT
Baltimore, Maryland
Completed 1829

The Carrollton Viaduct over Gwynn's Falls was the first masonry railroad viaduct constructed in the United States. This structure proved the feasibility of using a viaduct to transport railway vehicles across wide and deep valleys.

The concept for the viaduct came from international research. Three engineers from the U.S. Army Corps of Engineers went to England to observe construction methods for British railways. They were impressed with the heavy masonry construction they witnessed and brought their knowledge to the Carrollton Viaduct project. The success of this project led to the construction of many masonry railroad viaducts throughout the nation.

The structure is 312 feet long and rises over 51 feet above the waterway. The arch has an 80-foot span. A temporary heavy timber structure, called centering, was first built to support the massive stone voussoirs of the arch until they were keyed and could support themselves.

IN THE NEWS:

TALKS TO INCREASE MARYLAND'S GAS TAX

Business leaders joined Senate President Thomas V. Mike Miller last month in pushing for an increase in the gas tax to pay for new roads and mass transit, though support for his proposal to raise the levy by 12 cents-a-gallon was not universal. Miller said he does not expect his plan, which would raise the current rate by 50 percent and tie future increases to inflation, to pass during the current General Assembly session. But he testified during a hearing before the Budget and Taxation Committee yesterday that the state needs \$400 million to \$600 million a year in additional funding to meet its needs. Miller said he is confident that an increase in the 23.5-cent-a-gallon gas tax, which has not been raised in more than a decade, will be part of a revenue package that the state will adopt to fix its general fund budget gap, expected to be \$1 billion or more per year starting next year.

He said he thinks a package will be adopted in a special session of the legislature, likely in September or October, but neither of the other two principal leaders in Annapolis, Gov. Martin O'Malley and House Speaker Michael E. Busch, has said he believes that a special session is necessary. O'Malley has been open to the idea of a gas tax increase, but he has not endorsed Miller's plan. Busch has said he thinks a 12-cent increase is too much. Transportation Secretary John D. Porcari, while not endorsing any particular plan for additional revenues, said the state has a \$40 billion backlog of transportation projects. The population influx from a federal military base realignment plan, known as BRAC, could add billions to the state's needs, Porcari said.

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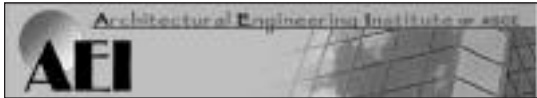
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Section Announcements



The Architectural Engineering Institute of ASCE (AEI) is hosting a **Symposium on Egress Stairs in High-Rise Buildings** at the McGraw-Hill Auditorium in New York City on **May 15, 2007**. The symposium will feature a series of presentations by leading experts and will allow for interaction among participants. Topics to be discussed include:

- Historical Perspective
- Evacuation Strategies
- Type, Number and Location of Exits, and Exit Access
- Evacuation Issues
- Exit Discharge
- Construction of the Exit Enclosure
- The Human Factors
- Environment Inside the Stair Enclosure
- Design Issues within the Enclosure
- Alternative Means of Egress.

Cooperating organizations include the Infrastructure Security Partnership (TISP) and the Building Security Council (BSC). The symposium is geared primarily to architects and engineers, owners, operators, risk managers, and individuals responsible for ensuring occupant safety in new and existing buildings, from both the public and private sectors.

The web site for this event is at http://content.asce.org/symposium/aei_ny07/index.html and registration is at <https://www.asce.org/register/egr/2007>. Attendees will earn 6.5 Professional Development Hours.

President's Message (Continued from Page 1)

National. So if you have not been getting an email before the meeting, your email address in your profile is either missing or not correct. Go to www.ASCE.org and click on the 'Maintain your Online Account' in the Members Only area.

In closing I have a request from the Hospitality Committee, please make your reservations by NOON on Monday before the Meeting. The Club has always found a way in the past to "Fit" some walk-ins in, but lately that number has been increasing.

See you at the April meeting!

John M

The ASCE Engineering News is a monthly publication, except July and August, published by the Maryland Section of the American Society of Civil Engineers and is provided free to Section, life and student members. Interest in writing an article, comments or questions should be directed to the Editor.

ASCE SUBMITS STATEMENT ON WITHHOLDING

ASCE submitted a statement for the record to the House Small Business Committee supporting the immediate repeal of Section 511 of the "Tax Increase Prevention and Reconciliation Act of 2005" (P.L. 109-222) which mandates a 3 percent withholding on payments to companies for any contract with a government entity. The law is scheduled to go into effect in 2011.

In the statement, ASCE says the requirement will hurt many honest taxpaying businesses in an attempt to find tax delinquents by essentially forcing contractors, including engineering and construction firms, to provide the government with interest-free loans. The 3 percent withholding will hurt many firms' cash flow. This requirement is based on a company's revenue and has no relationship to its taxable income. Firms with tight profit margins will lose vital funds needed to operate day-to-day activities and will be forced to pass along the added costs to customers.

More information about the hearing is available on the Small Business Committee's website at <http://www.house.gov/smbiz/>

UPCOMING PRESENTATION MARK YOUR CALENDARS!!



- When: Tuesday, May 22nd, 6 pm cocktails, 7 pm dinner, 8 pm presentation.
- Speaker: Jerry DiMaggio, Principal Bridge Engineer – Geotechnical and National Program Manager with the U.S. DOT, Federal Highway Administration in Washington D.C.
- Topic: "Advancements and Disappointments in Geo-engineering and Geo-construction - a 30 year Reflection".

MORE INFORMATION TO FOLLOW NEXT MONTH

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DATED MATERIAL INSIDE

– MEETING NOTICE – AMERICAN SOCIETY OF CIVIL ENGINEERS

Date: Wednesday, April 11, 2007
Time: 6:00 PM – Cocktails
7:00 PM – Dinner
8:00 PM – Meeting

Place: The Engineers Club, 11 W. Mount Vernon Place
Speaker: Greg Deierlein, Ph.D.

Program: **The Richard J. Carroll Memorial Lectureship
Performance-Based Earthquake Engineering
Enabling Transparent Risk Assessment and
Innovative Building Design**

Abstract: Tremendous advancements have been made in earthquake engineering over the past century to mitigate earthquake losses and casualties through improved design of buildings and the civil infrastructure. Most recently, the field has advanced through the development of performance-based approaches for seismic design and assessment that are more scientifically based and provide explicit measures of structural performance under the range of anticipated ground motions. This lecture will summarize recent developments in performance-based earthquake engineering and examine a few applications to assess life-safety risks and to promote innovation in structural design.

Greg Deierlein is a professor of structural engineering and director of the John A. Blume Earthquake Engineering Center at Stanford University. He also serves as Deputy Director of the Pacific Earthquake Engineering Research (PEER) Center – a multi-university center supported by the National Science Foundation - whose mission is to performance-based approaches for design of buildings, bridges, and lifeline systems.

ASCE Members	\$27.00
Guests	\$35.00
Non-Members	\$35.00
Non-Dues Paying Members (MD Section)	\$35.00
Students	\$14.00

RESERVATIONS

Reservations can be made: on the web -
<http://www.md-asce.org>, click on "Meeting Dates" at the top of the page,
by phone - 410-527-4409 or e-mail - asce@esb.org

- All reservations and cancellations should be **made by the Monday prior to the meeting.**
- Reservations will be considered firm and billed unless cancelled by not later than Monday noon prior to the meeting.
- Reservations can only be held until 6:45 PM.
- Seats will be available for dinner after 6:45 PM on a first-come, first-serve basis.
- If you are unable to attend dinner, you are welcome to attend the meeting at 8:00 PM
- Checks should be made payable to:

Engineering Society of Baltimore, Inc.
11 W. Mount Vernon Place, Baltimore, MD 21201-5190
Attention: ASCE

DRESS CODE: Jacket Required, Tie Optional

Make your reservation by Monday, March 9th 12:00 noon.

FUTURE MEETING DATES:

May 9, 2007
June 13, 2007

Instructions: Please vote for the Section Officers below. Mark your ballot by placing an "X" in the box for each officer. Unmarked ballots and ballots not returned by Wednesday May 9, 2007 will not be counted. If you wish to volunteer for a committee assignment, please indicate by marking appropriate box on the ballot. Please stamp and mail on the address printed on the other side of the ballot.

Maryland Section, ASCE

Official Ballot

The following persons have been nominated to serve in the respective offices shown for the 2007-2008 year, and have officially accepted the nomination.

President (One Year Term):

Tony Mawry, PE

Vice-President (One Year Term):

Mark Richmond, PE

Treasurer (Two Year Term):

Frank Kaul, PE

Director (Two Year Term):

Ray Streib, P.E.

The following persons are current members of the board, serving a two year term.

Director
(Two Year Term)
John Malinowski, PE

Director
(Two Year Term)
Mandy Schindhelm, PE

Director
(Two Year Term)
Chris Heyn, PE

Secretary
(Two Year Term)
Kelly Brennan, P.E.

Maryland Section ASCE Nominated Officers for 2007 - 2008



Tony Mawry, PE *Nominated for President*

Tony is a Partner with Wallace, Montgomery & Associates, LLP. and is responsible for management of the firm's Highway Department. Tony has been very active in providing service to ASCE, serving the Maryland Section as Hospitality Committee Member, as Newsletter Editor and as Treasurer and as Secretary. He also worked with ASCE to develop a Transportation History Exhibit through the Baltimore Museum of Industry. He currently serves as the ASCE Maryland Section Vice-President. Tony has been involved in many local professional organizations and is a Past President of the ASHE Chesapeake Section. He holds a Bachelor of Science Degree in Civil Engineering from the University of Maryland and a Masters Degree in Business Administration from Loyola College in Baltimore.



Mark Richmond, PE *Nominated for Vice President*

Mark served as the Maryland Section Hospitality Chair for several years before being elected in 2003 and again in 2005 to serve as the Treasurer of the Maryland Section. He is currently a Project Manager for the Howard County Government Stormwater Management Division. Before his job at Howard County Mark worked as a water resources engineer for a private consulting firm in the Baltimore area for nearly 20 years. Mark earned a Bachelor of Science degree in Civil Engineering from Lafayette College and a Master of Science degree in Environmental Systems Engineering from Clemson University.



Frank Kaul, PE *Nominated for Treasurer*

Frank is Vice President of Bridge Engineering Division of Whitney, Bailey, Cox & Magnani, LLC. He received his BS in Civil Engineering from the University of Maryland, College Park. He has been an active member of ASCE and has served ASCE's Maryland Section as a member of the Hospitality Committee, newsletter editor, and chair for the programs committee. Most recently, Frank has been an elected member of the Board for the past two years serving as Director.




Raymond E. Streib, PE *Nominated for Director*

Ray Streib is President of the civil engineering and consulting firm Development Facilitators, Inc. (DFI) located in Severna Park, Anne Arundel County, Maryland. He is a Registered Maryland Professional Engineer. He earned a Bachelor of Science degree in Civil Engineering from the University of Maryland, College Park and has completed graduate course work at Catholic University and Georgia Tech. Ray has been active in the Scholarship Committee of ASCE and was the originator and subsequent Chairperson for the Indoor Golf Tournament. He is involved in many community, charitable, and professional organizations including Rotary and the ACEC/MD Educational Career Committee. He was the recipient of the 2006 Community Service Award presented by ACEC/MD and is a life member of ASCE.

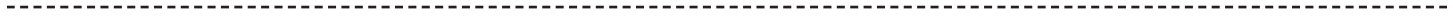
Tape Here

It's
Time
To



Vote

Fold along dotted lines



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Kelly E. Brennan, P.E.
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 Baltimore, MD 21201



I am willing to participate in the following local section activities:

- | | |
|---|---|
| Geotechnical Group <input type="checkbox"/> | Student Chapter Contact Member <input type="checkbox"/> |
| Publicity Committee <input type="checkbox"/> | Program Committee <input type="checkbox"/> |
| Hospitality Committee <input type="checkbox"/> | Stormwater Mgt. Committee <input type="checkbox"/> |
| Awards Committee <input type="checkbox"/> | Associate Member Committee <input type="checkbox"/> |
| History & Heritage Committee <input type="checkbox"/> | Education Committee <input type="checkbox"/> |
| Professional Objective Committee <input type="checkbox"/> | |
| Membership Committee <input type="checkbox"/> | Other _____ |

Name _____

Telephone _____