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Richmond Branch - ASCE  
<http://www.ascevirginia.org>

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## PRESIDENT'S MESSAGE

*"Where were you on September 11th?"*

This simple question has become one of the single most important statements of our generation, and one whose effects haven't been equally felt since the attack on Pearl Harbor 70 years ago.

I am sure that everyone reading this carries their own memories of what this question means to them. For me, I was an engineering student at the University of Pittsburgh just starting the new school year when my professor turned on the computer and started showing us the images of what was happening in New York, Washington, and just a few miles away from us in Shanksville, PA. I remember staring wide-eyed at the computer screen as image after image poured in, and also feeling the confusion as it seemed like no one knew exactly what was happening. I will never forget the panic and alarm around the dormitory as news spread of more planes being hijacked and the rumors started circulating that buildings near us, even ones on our campus, were the next to be targeted.

As engineers, we pride ourselves in our ability to learn from failures and to use the wisdom that can be gained from them to better ensure the safety, health, and welfare of the public. Shortly following the disaster, the National Institute for Standards and Technology (NIST) was appointed to begin a three year study into the structural failure of the buildings that collapsed that morning in order to ensure that engineers would be able to learn from this failure. Among other things, NIST attempted to answer some of the questions that had started surfacing such as: What factors contributed to the collapse of each building? Were there flaws in the fireproofing or the structural system of each building? Can anything be done to building designs of the future to prevent such a catastrophic failure



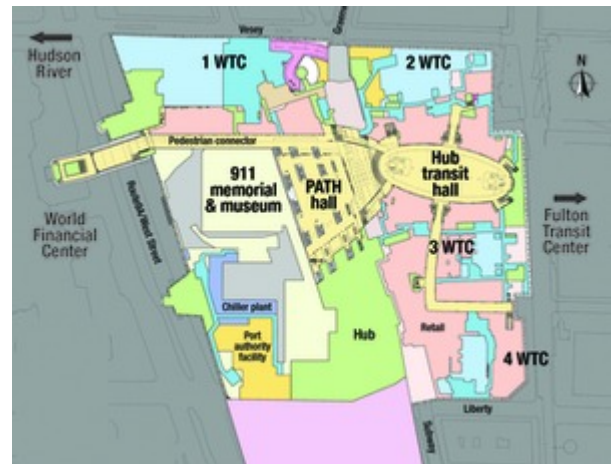
from happening again? In commemoration of the 10<sup>th</sup> anniversary of the September 11<sup>th</sup> attacks, ASCE Richmond is proud to host Dr. Therese McAllister PE, Co-Project Leader for NIST's investigation into the collapse of the World Trade Center buildings 1, 2, and 7 at a special branch meeting later this month.

While the events of 9/11 were tragic, the results from NIST's investigation will ideally enable engineers to learn from this once-in-a-lifetime event so that we can continue to improve the safety of buildings and structures in the future. We are so honored to host Dr. McAllister at this event, and we look forward to seeing you on September 20<sup>th</sup> on this very special occasion.

## WORLD TRADE CENTER NEWS

### Collaboration is Key to the \$18B Redevelopment of WTC Site

Seven major projects -- each with its own team -- are part of the \$18 billion redevelopment of the former World Trade Center. They have needed to cooperate with one another because they share space in a four-level basement at the site. The plan is to have the memorial plaza ready for the 10th anniversary of the Sept. 11, 2001, attacks. Engineering News-Record (8/9/2011).



### The Future Skyline (Courtesy of Silverstein Properties)



American Society of Civil Engineers Richmond Branch

## Special Meeting Event

# September 20, 2011

In remembrance of the 10<sup>th</sup> anniversary of the September 11, 2001

ASCE Richmond is proud to host

# The Collapse of the WTC Buildings: Why and How They Failed

**Therese McAllister, PhD PE**

Research Structural Engineer for NIST and Co-Project leader

for the Structural Failure Analysis of the WTC

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The collapse of New York City's World Trade Center structures following the terrorist attacks of Sept. 11, 2001 was the worst building disaster in recorded history. In response to the WTC tragedy, the National Institute of Standards and Technology conducted a building and fire safety investigation to study the factors contributing to the probable cause (or causes) of post-impact collapse of the WTC Towers (WTC 1 and 2) and WTC 7.

Highlights of the investigation into the probable cause of collapse for the WTC Towers will be presented, followed by a brief summary of the WTC 7 collapse sequence and recommendations for future practice, codes, and standards.

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**1.0 Hour PDH Available**

**Lunch Options: Portabella mushroom, lettuce and tomato sandwich - club sandwich - or chicken parmesan sandwich (all lunch options include side and dessert)**

### **Westwood Club**

6200 Club Lane Richmond, VA 23226

11:30 AM – 12:00 PM Check-in

12:00 PM – 1:00 PM Presentation

1:00 PM – 1:30 PM Question & Answer

**Cost: \$25 (Cash or Check)**

**RSVP by September 9, 2011 to:**

Amy Bird: (804) 205-3338 or

[abird@Dewberry.com](mailto:abird@Dewberry.com)

*(RSVP early as space is limited)*

## OCTOBER MEETING

### The Institute for Sustainable Infrastructure and envision™

ASCE's **Carol Bowers** will be introducing the **envision™**, the new rating system for sustainable infrastructure projects. The Institute for Sustainable Infrastructure (ISI), a collaboration of engineers from ASCE, the American Public Works Association (APWA), and the American Consulting Engineering Council (ACEC), has made the first draft of envision™ available for review on their website ([www.sustainableinfrastructure.org](http://www.sustainableinfrastructure.org)). Ms. Bowers will be discussing ASCE's involvement with ISI and in developing the rating system. She will give an overview of the rating system and discuss future schedule for implementation and training. The meeting will be on **October 25, 2011 at noon at the Westwood Club** (please note this is a deviation from our usual third Tuesday meeting date). Additional information will be provided in the October newsletter.

## YOUNGER MEMBER GROUP NEWS

### Could You Be the Next 'New Face' of Civil Engineering?

Are you a young civil engineer 30 or under, working to apply your skills to making a positive impact on the world? You could be one of **ASCE's 2011 New Faces of Civil Engineering – Professional Edition**. With ASCE's help, the National Engineers Week Foundation has begun its search for the next New Faces. The program promotes the accomplishments of young engineers by highlighting their professional contributions and noting the direct and positive effects they have on people's everyday lives. One member from each of the EWeek Foundation's sponsoring engineering societies will be selected as each discipline's New Face. The **winning engineers will be saluted in a full-page ad in USA Today** during next year's National Engineers Week, Feb. 19-25, and be featured in engineering trade publications and Web sites, including ASCE's. **Learn more and download a nomination form at [www.asce.org](http://www.asce.org). The deadline is Oct. 21!** Nominees must be ASCE members.

### Future Engineer?

Surprisingly enough, Paul Gillam did not grow up to be an engineer (neither our kind nor the rail road kind). He's in PA enjoying his 50s, no doubt taking advantage of all the civil engineering infrastructure around him.

### P.E. Planner

Exam date is Oct. 28, 2011



## CONFERENCES AND TRAINING

### Virginia Engineers Conference

September 14-15, 2011  
Williamsburg

Brought to you by the Virginia Society of Professional Engineers (VSPE) and the American Council of Engineering Companies of Virginia (ACEC/Virginia). Sponsored by the VA Section of ASCE and the Richmond Chapter of ASHRAE.

This educational conference is an annual statewide event that is directed towards all engineers and principals of engineering firms in the state of Virginia. The tracks include professional, technical and business on both days; **structural on Wednesday; civil and mechanical on Thursday**. We are continuing with the all day **Project Management seminar** on Wednesday. You can sign up for seminars in one track or mix them up. A total of 12 professional development hours (PDH) may be earned by attending the entire conference or 6 in one day. Visit [www.acecva.org](http://www.acecva.org) to register.

### Solar Decathlon 2011

Don't miss the US Department of Energy Solar Decathlon 2011 at the National Mall's West Potomac Park in Washington, DC. Visit from September 23 through October 2, 2011. Visit [www.solardecathlon.gov](http://www.solardecathlon.gov) for more information.



### ASCE Virginia Section's 2011 Awards Banquet

Wednesday, September 14, 2011  
Williamsburg Marriott  
(Concurrent with 2011 Virginia Engineers Conference)

#### Time:

5:30 pm Cash Bar  
(1st drink by ASCE VA Section)  
6:30 PM Dinner and Program  
(meal options available)

Cost: \$50

#### Agenda:

Section Awards

Branch Committee Recognition

Keynote Speaker

Mr. David Johnson, Director,  
Department of Conservation and  
Recreation  
New Stormwater Management  
Regulations

Registration deadline is September  
12, 2011.

### James River Green Building Council Seminar

*"Building a Sustainable Future: A Planning and Community Conference"*  
September 27, 2011. More info at <http://jrgbcgreenconference.org>.

## Federal Markets Conference

Find out where things stand with federal government programs, budgets and procurement opportunities in the architect-engineer and related services fields. The Council on Federal Procurement of Architectural & Engineering Services, which includes ASCE as a member, will host the **Federal Markets Conference**, Sept. 22, in Washington, DC. Each invited agency will present information on its current program, its anticipated FY12 budget, and requirements for private sector services. Get more details and register at the official COFPAES page.



## Participate in ASCE's LEAD Program – Transforming Engineering Managers into Effective Leaders

Managers and rising leaders, **take part in LEAD** to gain an experience that you can continually draw upon **to help you and your organization achieve success**. Be better equipped to lead project teams, improve client relationships, and create a leadership culture. Discover why participants rate the program on average a 4.8 on a scale of 5.

LEAD is an eight-month, highly interactive course, comprised of seven training sessions and one individual coaching session. Earn up to 4.5 CEUs while gaining valuable insights from the faculty and your peers. The next offering of **LEAD** begins on **November 16, 2011**, at **ASCE Headquarters in Reston, Virginia**.

**Registration Deadlines:** Don't miss out on the best savings by registering by September 26, 2011, to receive the early-bird rate!

Questions? Contact Melissa Prelewicz at ASCE: 703-295-6341 or [mprelewicz@asce.org](mailto:mprelewicz@asce.org). Visit [www.asce.org/lead](http://www.asce.org/lead) for more information, including the registration form, course calendar, and testimonials.

## NATIONAL NEWS

### You Can Help Shape the Next Edition of ASCE 7

For structural engineers, the ASCE 7 standard is critical to their work. Now you have the chance to assist in the revising of this essential work. **ASCE's Structural Engineering Institute is welcoming applications for membership onto the Minimum Design Loads for Buildings and Other Structures Standards Committee**. If you think you're a qualified

candidate to help ready the 2016 edition, please complete an online application and submit it by Oct. 31. Applications are being received for both voting and associate memberships on the main committee of ASCE 7 and for the various load specific subcommittees. If you have questions or need additional information, please contact Jennifer Goupil, SEI Director, at [jgoupil@asce.org](mailto:jgoupil@asce.org).

## National Officer Results

The 2011 national election concluded on Friday, August 12. Below are the election results that affect our Branch in the Virginia Section and Region 4. If you have any question regarding the election results or if you would like results for more of the nation, please contact Patty Jones, Director of Board Operations, at 703/295-6101 or [pjones@asce.org](mailto:pjones@asce.org).

*President-elect Elect (2011-2012): Gregory E. DiLoreto, P.E., P.L.S., F.ASCE*

*At-Large Director-Elect (2011-2013): Stephen A. Curtis, P.E., D.PE, M.ASCE*

*Region 4 Governors-Elect (2011-2014):*

*Grant K. Autry, P.E., P.L.S., LEED AP, M.ASCE*

*Lamont W. Curtis, P.E., DEE, F.ASCE*

## ASCE ACHIEVEMENT AWARDS

Colleagues who have contributed to civil engineering through their outstanding leadership, research or substantial career accomplishments merit the accolades of their peers. The Honors and Awards Program of the American Society of Civil Engineers has as its objective the advancement of the engineering profession through the recognition of exceptionally meritorious achievement.

ASCE distinguishes these outstanding accomplishments with 80 Society Awards, Distinguished Membership and Outstanding Projects and Leaders.

Do you know someone who deserves to be recognized? ASCE has made it easy. Find out:

- What awards the Society presents
- How to nominate someone
- What is needed to complete a nomination package
- Where to find the needed forms

The Honors and Awards Program is part of the ASCE Membership, Marketing, and Conferences Division, located at the ASCE Headquarters, 1801 Alexander Bell Drive, Reston, VA 20191-4400. The Program maintains current information online at [www.asce.org/awards](http://www.asce.org/awards).

## Nominations Due October 1<sup>st</sup>

- National
  - Distinguished Membership
  - Citizen Engineer
  - Public Service
- Research
  - Walter L. Huber Civil Engineering Research Prizes
- Engineer Science
  - Norman Medal
  - ASCE State-Of-The-Art of Civil Engineering Award
- Transportation
  - Arthur M. Wellington Prize
- EWRI
  - Arid Lands Hydraulic Engineering Award
  - Ven Te Chow Award
  - Hans Albert Einstein Award
  - Simon W. Freese Environmental Engineering Award & Lecture
  - Samuel Arnold Greeley Award
  - Rudolph Hering Medal
  - Karl Emil Hilgard Hydraulic Prize
  - Julian Hinds Award
- EWRI
  - Wesley W. Horner Award
  - Hydraulic Structures Medal
  - Hunter Rouse Hydraulic Engineering Award
  - J. C. Stevens Award
  - Royce J. Tipton Award
- OPAL
  - Construction Excellence
  - Design Excellence
  - Education Excellence
  - Government Excellence
  - Management Excellence
  - Outstanding Civil Engineering Achievement
  - The Charles Pankow Award for Innovation
  - The Henry L. Michel Award for Industry Advancement of Research Award





## ARCHITECTURAL ENGINEERING INSTITUTE

AEI is the home for all professionals in the building industry. We provide a multi-disciplinary national forum for members of but not limited to the architectural engineering, structural, mechanical, electrical, and architectural communities. Recognizing the necessity for a place to examine issues and exchange views and information with one another, AEI was established in 1998. AEI works to facilitate the crucial communication among members of the building team, both on a technical basis and in the professional arena. In addition, we strive to be the premier organization for: timely quality technical literature, professional advocacy, and educational opportunities. AEI has several administrative and technical committees.

The MISSION of AEI is to serve the building community by promoting an integrated, multi-disciplinary approach to planning, design, construction and operation of buildings and by encouraging excellence in practice, education and research of architectural engineering.

AEI has a bi-monthly e-newsletter called *The Team*. To subscribe, go to [www.asce.org/eneews](http://www.asce.org/eneews). Past issues are also available on their website.

AEI's upcoming events include:

### Resiliency of the National Building Inventory - Creating a Roadmap for the Future

September 13-14, 2011, University of Southern California, Los Angeles, CA



### ecobuild america 2011

AEI members receive free admission into the exhibit hall and a 15% discount on any conference pass purchased. Use the code AEI11 when registering. Learn more.

## **GOVERNOR McDONNELL SIGNS ENVIRONMENTAL STEWARDSHIP LEGISLATION**

Legislation signed includes measures to regulate the use of certain fertilizers, allow agricultural land to be deemed in full compliance with its total maximum daily load allocation (TMDL) upon implementation and maintenance of a resource management plan, and authorize the Secretary of Natural Resources to study the expansion of the Chesapeake Bay Watershed Nutrient Credit Exchange Program.

Speaking about the legislation, Governor McDonnell remarked, "Agriculture is the largest industry in Virginia, generating an annual economic impact of \$55 billion and providing more than 357,000 jobs across the Commonwealth. It is essential that we continue to implement environmentally sound measures that ensure this industry will grow and thrive, while simultaneously working towards enhancing water quality in the Chesapeake Bay and Virginia's other watersheds. The eight pieces of legislation signed today are a positive step in that direction."

### **Legislation Signed August 11, 2011**

**SB1055 (Stuart)/HB1831 (E.Scott) - Fertilizer; regulation of application and labeling.**

- Prohibits the sale, distribution and use of lawn maintenance fertilizer containing phosphorus beginning December 31, 2013. Additionally, this legislation requires golf courses to implement nutrient management plans by 2017 and also requires the Virginia Department of Agriculture and Consumer Services to establish reporting requirements for contractor-applicators and licensees who apply lawn fertilizer to more than 100 acres of nonagricultural lands annually.
- Prohibits the sale of deicing agents containing urea, nitrogen or phosphorous intended for application on paved surfaces.

**HB1830 (E. Scott) - Resource management plans; effect of implementation, exclusions.**

- Allows farmers who develop and maintain agriculture resource management plans to be deemed as being in full compliance with any load allocation contained in a TMDL and any state water quality requirements for nutrient and sediment.

**SB990 (Stuart)/ HB2057 (Poindexter) - Virginia Department of Agriculture and Consumer Services (VDACS); regulation of fertilizer, penalties.**

- Revises the laws governing the manufacture and application of fertilizer to, among other things: (i) incorporate by reference the guidelines adopted by the Association of American Plant Food Control Officials, (ii) adopt precautionary labeling guidelines to prevent fertilizer runoff into

## Legislation Signed August 11, 2011 (continued)

waterways, (, (iii) require distributors of commercial fertilizer to submit an annual statistical report to the VDACS Commissioner regarding the amounts and localities of distributed product, (iv) authorize the VDACS Board to impose civil penalties for the violation of a written stop sale, and (v) allow the imposition of late fees for failing to obtain or renew a registration, license, or permit..

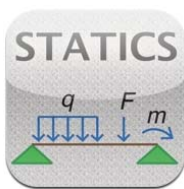
### SJ334 (Whipple) - Chesapeake Bay Watershed Nutrient Credit Exchange Program; Secretary of Natural Resources to study.

- Requests that the Secretary of Natural Resources study the expansion of the Chesapeake Bay Watershed Nutrient Credit Exchange Program, ensuring that the stakeholder committee has representatives from local government, state government, environmental organizations, nutrient source sectors identified in the Bay TMDL, and private sector interests experienced in nutrient credits and trading.

### SB1441 (Obenshain)/ HB2486 (J. Cox) - Impaired waters; requires plan developed and implemented to restore waters be controlling.

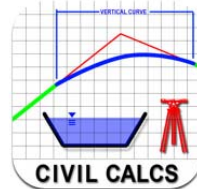
- Requires that the plan developed and implemented to restore impaired waters be controlling unless it is amended or withdrawn by the State Water Control Board.

## TECH SUPPORT (WEBSITES, APPS, AND MORE)



### Statics (Civil Engineering)

Statics is a "must have" mobile software for every engineer (in particular civil or building), architect, Statics and Building science student! This app is for iPhone, iPod touch, and iPad (iOS 4.0 or later). It is 4.4 MB, costs \$1.99, and is a steal compared to the price of my college Statics textbook. Visit the Apple App Store to purchase.



### Civil Engineering Calculations, v2.2

Civil Engineering Calculations such as Pipe Flow, Channel Flow, Vertical Curve, Tangents, Traverse, Area Calculations, etc. are all made easy with this easy to use tool. Programmed specifically to streamline these processes. This app is for iPhone and iPad. It is 6.0 MB, costs \$9.99, and comes highly rated. Visit the Apple App Store to purchase.



**9<sup>th</sup> Annual ASCE Golf Tournament and Picnic**  
**Thursday, October 6<sup>th</sup>, 2011**

**Registration & Box Lunch – 12:00 to 12:45 pm**  
**Shotgun Start – 1:00 pm**  
**Dinner, Prizes, and Awards – 6:00 pm to ~6:30 pm**

**Hosted by: ASCE Richmond Branch, Young Members Forum**  
**To benefit: ASCE Richmond Branch's Annual UVA Scholarship and Educational Outreach Efforts**

**Providence Golf Club**  
**1160 S. Providence Road, Richmond, Virginia 23236**



- Format:** Captain's choice – 18 holes with Shotgun Start
- Cost:** \$125 per player includes greens fee, cart, driving range, drink coupons, raffle prizes, tournament prizes, box lunch, and dinner
- Note:** Foursomes receive \$100 team discount with \$100 sponsorship or greater
- Eligibility:** Open to all players but space is limited to the first 120 golfers to register  
Sign-ups of less than 3 players will be grouped with others
- Registration:** Completed Registration and Sponsorship form (attached) with check payable to "ASCE Richmond Branch" can be mailed to:
- Tony Gaynord**  
**McKinney & Co.**  
**100 S. Railroad Avenue, Ashland, VA 23005**
- Completed forms can also be sent to Tony via fax at 804.798.7072 or emailed to [agaynord@McKinney-USA.com](mailto:agaynord@McKinney-USA.com)
- Cancellations:** Please notify Mark Yanik at 804.615.4900 if you need to cancel.
- Sponsors:** Potential tournament sponsors should review the attached Registration and Sponsorship Form. **We need your help!** Please contact Mark at [yanik@pbworld.com](mailto:yanik@pbworld.com) with any questions.
- Due Date:** Completed Registration and Sponsorship forms with payment are due by **September 23<sup>rd</sup>**.



## Registration and Sponsorship Form

**9<sup>th</sup> Annual ASCE Golf Tournament and Picnic**  
**Thursday, October 6<sup>th</sup>, 2011**

**Registration:**

	Name	Company	Telephone	Email
<b>Team Capt.</b>				
<b>Player 2</b>				
<b>Player 3</b>				
<b>Player 4</b>				

MULLIGANS will be available on the day of the tournament at \$5 each with a maximum of 2 per player

**Sponsorship:**

**Yes!** I want to support the ASCE Richmond Branch Younger Members Forum and the UVA Scholarship Fund. Please accept my tax-deductible donation, in return for the following sponsorship:

**\$250 – Beverage Cart Sponsor:** I will provide a beverage cart service for my fellow golfers. (Includes logo sign\* and driver provided by Providence, or you can “ride along.”)

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**\$250 – Food & Drink Sponsor:** I will sponsor the dinner that following the golf tournament. (Includes sign at buffet with your company logo\* and recognition in tournament program and ASCE newsletter.)

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**\$100 – Hole Sponsor:** I will sponsor one hole. (Includes your company logo\* sign at the tee box and recognition in tournament program and ASCE newsletter.)

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**\$100 – Skill Contest Sponsor:** I will sponsor one of five skill contests: Longest Drive (1), Closest to pin on par 3 (2), Drive closest to center on par 5 (1) and longest putt (1). (Includes logo sign\* at tee box or green of respective hole and recognition in tournament program and ASCE newsletter.)

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**\$50 – Goodie Bag Sponsor:** I will provide one promotional item for each player’s goodie bag (suggested items include pens, rulers, decals, calculators, etc.). Tournament organizers will distribute bags at registration.

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= **Total Monetary Donation:** Payable to “ASCE Richmond Branch”

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\* Please e-mail Mark Yanik a hi-resolution image of your company’s logo as you wish it to appear (.eps format preferred but .jpg , .gif, and .bmp also acceptable) at yanik@pbworld.com.

**Fee Determination:**

Number of Golfers \_\_\_\_ x \$125 ea = \$ \_\_\_\_\_

Sponsorship Contribution = \$ \_\_\_\_\_

Minus \$100 (with foursome registration and \$100 sponsorship)= \$ \_\_\_\_\_

**Total Enclosed = \$ \_\_\_\_\_**

*Thank you for supporting the Richmond Younger Members and the Future Civil Engineers of Virginia*

## BRANCH BUSINESS

### Communications Committee Meeting

**Did you notice anything new about the newsletter in the last few months?** We're putting in a great effort to revitalize the newsletter to be a resource to our membership. **Do you have any suggestions?** The Communications Committee Chair is hosting a casual discussion meeting to define the committee goals and operating procedures. This is your chance to get involved without a long term commitment but still provide a great service to the membership. The meeting will be from 5-7 pm on Thursday, September 22, 2011 at Champs at Stony Point. Please RSVP to Denise Nelson at [dnelson@greeley-hansen.com](mailto:dnelson@greeley-hansen.com) or 204-2407 for a headcount and to receive the agenda.

### Call for Articles

The Richmond Branch of ASCE is soliciting short articles (500 words or less) for our fall newsletters. Articles related to **Sustainable Infrastructure** are encouraged for **October**, and articles related to **Transportation issues** are encouraged for **November**. Articles may describe interesting projects, procedures, industry trends, etc.; however, articles with a heavy sales pitch will not be printed. Photos and figures are encouraged. Please contact the Communications Chair if you have any questions or to submit an article.

### Schedule of Upcoming Events

Date	Speaker	Topic	Location
September 14-15	Virginia Engineer's Conference		Williamsburg
September 20	Dr. Therese McAllister	NIST Investigation of the Structural Collapse of World Trade Center Buildings 1, 2, and 7 and its Impact on Future Building Codes	Westwood Club
September 22, 5pm		Communications Committee Meeting	Champs at Stony Point Mall
October 6	Golf Tournament		Providence Golf Club
October 25	Carol Bowers	envision™ The Sustainable Infrastructure Rating System	Westwood Club

*There is more great information at*

[ascevirginia.org](http://ascevirginia.org)

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**Would You Like To Advertise To Over 550 Engineers In The Richmond Area?**

We are accepting sponsorship for our October and November newsletters. The cost is \$10 for a ¼ page ad or \$20 for a ½ page ad per month (checks only, made payable to ASCE Richmond Branch). Contact the Communications Chair for details.

**Contact Information**

Name	Office / Committee	Company	Phone	Email
Mike Howell, PE	President	Austin Brockenbrough & Assoc. LLP	592-3905	MHowell@Brockenbrough.com
Amanda Harmon, PE	Past President	Kimley-Horn and Associates, Inc.	673-3882	Amanda.Harmon@Kimley-Horn.com
Amy Bird, EIT, LEED AP	President Elect	Dewberry	205-3338	ABird@Dewberry.com
Mark Yanik, EIT	Vice President	Parsons Brinkerhoff	615-4900	Yanik@PBWorld.com
Tony Gaynord, EIT	Treasurer / Secretary	McKinney & Company	798-1451	AGaynord@McKinney-USA.com
Denise Nelson, PE, LEED AP	Communications	Greeley And Hansen LLC	204-2407	DNelson@Greeley-Hansen.com
Austin Clark, PE	Government Relations	TranSystems	282-0377	AIClark@TranSystems.com
Chris Miller, EIT	Younger Member Group	Bowman Consulting	616-3248	CMiller@BowmanConsulting.com
Brooke Young	Education Outreach	Kimley-Horn and Associates, Inc.	673-3882	Brooke.Young@Kimley-Horn.com
(Available)	Membership			