

## The ASCE-NCS Annual Awards Banquet

### Celebrate Our Region's Outstanding Projects and People

Join us at the Hilton Arlington for the National Capital Section's (NCS) signature event of the year. This event gives us an opportunity to recognize and celebrate local excellence in projects, engineers, and students who have contributed to our profession and



Surveyors on the Upper Portion of the Washington Monument

our community. Recognized parties include the ASCE-NCS Outstanding Civil Engineering Project, Sustainability Committee's Award Winning Project, Meritorious Service and Community Service Award winners, NCS Student Scholarship Award recipients, Outstanding Graduating Seniors from local civil engineering universities, and members of the NCS who have achieved Life Member status during the past year.

The finalists for the ASCE-NCS 2014 Outstanding Civil Engineering Project are the National Park Service's **Post-Earthquake Evaluation of the Washington Monument**

**Restoration Project** and the District of Columbia Department of Transportation's (DDOT) **11<sup>th</sup> Street Bridge, Phase 1, Design-Build Project**.

The Washington Monument evaluation addressed challenges associated with early response efforts in the wake of the 2011 earthquake in Mineral, Virginia. The project required coordination of multiple engineering disciplines to inspect structural damage, analyze structural behavior under seismic loads, evaluate geotechnical issues, and prepare designs for repair.

DDOT's 11<sup>th</sup> Street Bridge Design-Build project is the largest project in DDOT's history and their first river bridge replacement in 40 years. The new bridge collection features pedestrian and bicycle paths connecting to the Anacostia Riverwalk Trail and were designed to accommodate future streetcar traffic. To encourage innovation, DDOT allowed the design-build teams to submit alternatives that utilized standards from other jurisdictions. The \$260-million project used design-build-to-budget procurement and was completed ahead of schedule.



11th Street Bridge over the Anacostia River

**Attend the Annual Awards Banquet on Tuesday, March 18 to learn which project was selected as this year's winner!**

The Banquet will be at the Hilton Arlington, 950 North Stafford Street in Arlington, VA, on the second floor in the Gallery Ballrooms. Parking is available at the hotel (\$8), at the Ballston Mall garage (\$1 after 6 p.m.), and on the street (free after 6 p.m.). The hotel is in the same block as the Ballston Station on Metro's Orange Line. Registration, networking, and hors d'oeuvres will be from 5:30 to 6:30 p.m., followed by dinner. The program will conclude by 9:00 p.m. The cost is \$20 for students, \$55 for those who pre-register, and \$65 for walk-ins as space allows. **Please register by March 12, 2014.** Click [HERE](#) to register. For questions, please contact Scott Wolf at [scott.wolf@dot.gov](mailto:scott.wolf@dot.gov) or 202-366-1325.

**Please note** that because the NCS is charged for each meal guaranteed, those who register, but are not able to attend *will be charged the full registration fee* after the meeting. We welcome walk-in attendees, including any registrations made after the guarantee is given to the hotel. However, the cost for the walk-ins is higher because the Section is charged accordingly by the hotel for late registrations. ■

## President's Corner

Look back over a span of three years at organizations and community groups you care about. Which of these memories stand out in your mind? I suspect that events, activities, or groups that changed the most floated to the top of your list.

Allow me to recount two changes at the National Capital Section (NCS) of ASCE that stood out for me.

At the NCS, one of the ways we measure the success of our events is by counting the number of members who participate. The first change I noticed was the dip in attendance at our October and November meetings last year. At the NCS Board we attributed the 35% decrease from average monthly numbers to the government shutdown that impacted our region at the time. We are delighted to see that member participation in the January and February Section meetings has reverted to typical levels. The second change I noticed was a 35% increase in student participation at the joint NCS Automation Committee/George Mason University (GMU) ASCE Student chapter event when compared to the one I helped with three years ago at the



GMU campus. I attribute this to the vibrant young leadership that has taken the helm at the GMU ASCE Student Chapter this semester. I encourage students to explore all that ASCE has to offer throughout their careers.

Chris Manalo and Emily Dean from the NCS Board and David Smith from the NCS YMF attended the expense-paid ASCE Multi-Region Leadership Conference in Indianapolis on February 6 and 7. This was an opportunity for Section leaders to share and discover ideas that can make their Sections vibrant communities that nurture professional growth and help you build connections. Chris also presented at that event. Look for a write-up on their experience in a future newsletter!

Planning for our centennial celebrations is underway. Though not yet finalized and subject to change, activities that have emerged as top contenders are: **(1)** Awards Gala in 2016 at a local historical locale; **(2)** NCS Centennial Coffee Table Book published by Sep 2015; **(3)** Outreach 1 – a 30-second video clip promoting ASCE's Dream

Big! IMAX movie at local movie theaters; and **(4)** Outreach 2 - an exhibit that rotates between public locations such as the Smithsonian museums, Union Station, or other places featuring local civil engineering achievements over the last 100 years.

I hope you enjoyed our February Section Meeting on the DC Streetcar project that showcased the revival of an ancient mode of public transportation that aims to better link neighborhoods within the city in an eco-friendly way by reducing congestion and emissions while promoting development along streetcar corridors.

This month, we host our annual Awards Banquet that celebrates local civil engineers and outstanding projects. I look forward to seeing you over dinner on March 18.

With the very best of wishes,

*Ranjit Sahai*

*Ranjit S. Sahai, P.E., F.ASCE  
President, ASCE-NCS 2013-14*

## Scholarship Opportunity

The Commissioners of the Washington Suburban Sanitary Commission (WSSC) offer the annual Joyce Starks/Gene Counihan Engineering Scholarships to college students majoring in engineering fields that are vital to the work of

WSSC. Two students will be awarded \$1,000: one to a Prince George's County resident and one to a Montgomery County resident. The winners also receive priority consideration for the WSSC Summer Internship Program.

Applicants must write an essay to answer an engineering-related question and complete an application and have it received by the WSSC Corporate Secretary by **May 30, 2014**.

For more information, click [HERE](#).

## Newsletter

**L.J. Sauter, Jr., Editor**  
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**April 2014 Issue Deadline:**  
**March 14, 2014**

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[newsletter@asce-ncs.org](mailto:newsletter@asce-ncs.org)

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Call 1-800-548-ASCE, e-mail [member@asce.org](mailto:member@asce.org), go to [www.asce.org](http://www.asce.org), or write to ASCE – Membership, 1801 Alexander Bell Drive, Reston, VA 20191. Remember to include your membership number.

## National Capital Section

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### Committee Chairs

Please refer to the NCS website at <http://www.asce-ncs.org> for a current list of NCS committees and chairs.

## What Does it Mean to be a Member of the NCS Board?

*Editor's Note: This issue's column was prepared Christian Manalo, who has served on the NCS Board of Directors (BOD) as Director (2009–13) and Secretary (2013–14).*

Growing up outside New York City, it was not difficult to see the impact of civil engineers from tall skyscrapers and suspension bridges to heavy manufacturing and environmental restoration. As a civil engineer for more than 20 years now, it has been tremendously satisfying working on projects and programs that have had major impacts on the way we live. I am grateful for those that came before me who built up the profession and developed our body of knowledge to what it is today. As a member of the NCS Board, I have the opportunity to give back to the profession that has meant so much to myself, my family, and our society. It is exciting and inspiring to continuously hear of the good works that colleagues perform daily in the DC region, across the U.S., and around the world. It is equally inspiring being among civil engineers who devote significant time and energy to support their colleagues and promote the profession's interests. Being an NCS Board member is not easy; it is hard work that never ends, but the rewards have been plentiful both professionally and personally.



### About Christian:

Christian has been a practicing civil engineer for more than 20 years, having worked for the Potomac Electric Power Company, Earth Tech (now AECOM), and Booz Allen Hamilton. He is a licensed Professional Engineer in Virginia and a Diplomate of Environmental Engineering. He holds both MS and BS degrees in civil engineering from the University of Maryland and Rutgers University, respectively. Christian resides in Maryland, is married and has one daughter (engineer in training, 1<sup>st</sup> Grade).

## February Meeting Recap – The New DC Streetcar Program

By Stephen Powers, Director ASCE-NCS

On Tuesday Feb 18, 2014, ASCE-NCS was honored to host a presentation at the February Section Meeting by District Department of Transportation Associate Director, Mr. Carl Jackson, on the status of the DC Streetcar Program. Mr. Jackson explained to the attendees that the original 22-mile streetcar system has been expanded to a 37-mile system that will link Georgetown, Takoma Park, Benning Road, and Anacostia. The infrastructure of the Benning Road line along H Street, NE has been completed and operational testing with the 6 cars is underway. The megaproject will take decades to complete, but is essential to

keep pace with the current population growth of the D.C., with 1,200 to 1,300 new District residents each month.

Mr. Jackson presented the overall proposed streetcar system and discussed how the streetcar and the Circulator Buses will be used in concert to meet the future needs of the larger city population. The streetcar rail system will be coordinated to tie into the Metro rail system to give commuters easy access to D.C. and new access to portions of the city which Metro does not service, such as Georgetown. Attendees were delighted to find out that the request for

quotations (RFQ) for the program management contract for the design, construction, and operation of the Streetcar was advertised earlier in the day since this project continues to gather steam and bring back streetcars to the District. Mr. Jackson answered audience questions after the presentation.

Thank you Mr. Jackson for presenting on this high profile project that many in the DC transportation community will be watching for years to come! Also, thank you to HDR, Inc. for being the NCS February Meeting sponsor. ■

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# Learning to Listen: Seminar Connects the Design of Sustainable Projects with Community Involvement

By Doug Scott, Associate Editor of ASCE News



*In the seven-hour ASCE seminar entitled, **Community Participation: Effective Stakeholder**, participants discovered through the examination of 3 real case studies, that community involvement and participation not only helped get the project approved and constructed, but also made it a more successful and more attractive project than its initial intension.*

*Photo credit: Doug Scott*

“Engineers understand the physical processes involved in a project but they don’t necessarily understand social processes.”

So explained Frank Blechman, a consultant/coach who served as the instructor for a unique seminar conducted by ASCE to help participants learn how to build a coalition of public support for the design, construction, operations, maintenance, and repurposing phases of major community engineering projects.

“[ASCE] has set a protocol whereby they expect civil engineers not just to be part of a team but to raise questions and be leaders on the subject of economic, environmental, and technical sustainability.”

“This course helps engineers think about community participation as it relates to an engineering project,” Blechman said.

A total of 30 civil engineers, architects, and city planners participated in the program, entitled *Community Participation: Effective Stakeholder Involvement Throughout the Project Lifecycle*, on January 24. The seminar was filmed and will be offered as an ASCE continuing education course as part of its series on best practices in sustainable engineering.

As civil engineers integrate sustainability into the bridges, structures, highways, water systems, and electrical transmission lines they design, one key area is effective leadership through stakeholder involvement. According to the Institute of Sustainable

Infrastructure, engineering skills are no longer enough to lead to successful sustainable infrastructure design; engineers now require the skill to maneuver through the public participation process. Participants discovered through the examination of three real case studies that community involvement and participation not only helped get the projects approved and constructed, but also made them more successful and more attractive than initially conceived.

If civil engineers are going to be asked to do these kinds of things, Blechman says they need the guidance, tools, and resources that this seminar provided.

“Initially, we talked about the skill of listening,” says Blechman, who from 1991 to 2002 was a member of the graduate faculty at the Institute for Conflict Analysis and Resolution at George Mason University. “Engineers are very good about presenting, but not trained in listening. If people in the community don’t believe that engineers are listening to them, the interaction does not go very well.”

“The second key point we talked about is understanding the value of adding shared decision-making into your vocabulary; real, interactive, two-way communication as compared to one-way communication or show-and-tell. Because if you don’t build public support for the project, it may never get built; and if it does get built, it will never be sustainable because people in the community will undo it at some point in the future and not support its continued operations.”

## Three Case Studies

Examining three case studies – the proposed 2001 Trans-Texas Corridor Transportation Network, the Syracuse (New York) Southside Sewage Treatment Plant, and Cincinnati’s [Ohio] I-75 Corridor Study – participants were given examples of a brilliantly designed project that was never built because of a lack of community participation, one built over community objection that may have contributed to the public officials getting voted out of office, and the third illustrating how allowing the general public to become familiar with the project not only created trust but also allowed for a more creative project.



“There are two key thoughts in terms of sustainability that civil engineers need to think about when they are designing a project and they both show up in the (ISI) Envision rating system,” says Richard N. Wright, Ph.D., P.E., NAE, Dist.M.ASCE, chair of the ASCE’s Sustainable Infrastructure Education Committee, and a participant in the seminar. First, “you’ve got to do the right project that really meets the needs of the communities that are served and affected. And secondly, you have to do the project in the right way so that it is safe, functional, economical, and not a great disturbance during the construction, operation, and maintenance of the facility.”

The reason this community participation course is so important to civil engineers is that it shows them how to involve the key stakeholders in the community, [to] get their input and work with them to define what is the right project to meet their needs.”

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## NCS Sustainability Keynote Speaker

**Michaella Wittman, LEED Fellow, ENV SP, Director of Sustainability and Senior Vice-President for HDR, Inc. to Deliver Keynote at April 22 Meeting**

Please join us on Tuesday, April 22, 2014 as we celebrate sustainability in civil engineering in the National Capital region. This year Ms. Michaella Wittman, LEED Fellow, ENV SP, the Director of Sustainability, and Senior Vice-President for HDR, Inc. will be presenting the challenges encountered during the planning, design and construction of the William Jack Hernandez Sport Fish Hatchery in Anchorage, AK which was the first Certified Envision™ Project. The project achieved a rating of Gold level Envision™ Certification from the Institute of Sustainable Infrastructure.

Ms. Wittman will be providing an Envision™ overview with commentary on designing a project to be Envision™-Ready with lessons learned including cost impacts and benefits.

As the founder and director of HDR's Sustainability program, Michaella has been a leader in the sustainability and green building industry for more than 16 years. A strong proponent of matching



sustainable strategies to the goals and characteristics of each project, she has worked closely with a multitude of clients to balance environmental, economic, and social equity goals. Her aptitude for leadership, innovation, and integration have led clients in all industry sectors to the successful completion of projects that have benefits such as reduced environmental impact, increased productivity, improved quality and reduced operations and maintenance expenditures.

Under Michaella's direction, HDR began a process for integrating sustainable design concept into its work beginning in the mid 1990s. In 1994, Michaella signed on HDR as the first Architecture/Engineering/Consulting firm to join the U.S. Green Building Council (USGBC). She was actively involved in the development of the first Leadership for Energy and Environmental Design (LEED) Green Building Rating Tool. Some of her early projects included a green building training program for the

General Services Administration and overseeing two LEED Certified projects at the Pentagon. She has worked on over 25 LEED projects.

After successfully starting a sustainability consulting practice at HDR that includes energy, commissioning and sustainable architecture services, Michaella also began to work on sustainable infrastructure projects. From 2004–2006 she oversaw the Context Sensitive and Sustainable Solutions program for the repair and replacement of more than 300 bridges with the Oregon Bridge Delivery Partners.

Michaella was one of the first individuals in the country to receive her credentials as an Envision Sustainability Professional (ENV SP) and worked on the first-ever Envision certified project. The Envision Sustainable Infrastructure Rating System evaluates, grades, and gives recognition to infrastructure projects that use transformational, collaborative approaches to assess the sustainability indicators over the course of the project's life cycle. ■

## Learning to Listen: Seminar Connects the Design of Sustainable Projects with Community Involvement

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### Lessons Learned

Blechman says the participants learned that involving the community would make their work better and more successful, that sustainable engineering requires public understanding and support, and that an engineer's future role includes educating the public.

"Remember," said Blechman to the participants at the end of the seminar, "you represent all engineers when you interact with any community during the life of the project. Make the extra effort to ensure that your work builds sustainability and improves the reputation of engineers everywhere."

"It was a fantastic seminar," concluded Alex Rosenheim, P.E., LEED AP, M.ASCE, sustainability chair of the



ASCE's National Capital Section. "The three case studies were really great in bringing out real situations and lessons learned – the good, the bad, and the very useful. "Sometimes you are focused so much on the design aspects of a project, you forget there are people involved. [Frank Blechman] brought up

a lot of topics that you normally don't think about in terms of sustainability."

*Community Participation: Effective Stakeholder Involvement Throughout the Project Lifecycle* is one course ASCE offers in its best practices series in sustainable engineering. Additional course offerings can be found at: <http://www.asce.org/SustainabilityCourses/>.

See more at: [http://blogs.asce.org/learning-to-listen-seminar-connects-the-design-of-sustainable-projects-with-community-involvement/?utm\\_source=rss&utm\\_medium=rss&utm\\_campaign=learning-to-listen-seminar-connects-the-design-of-sustainable-projects-with-community-involvement#sthash.pt4Ya5bl.dpuf](http://blogs.asce.org/learning-to-listen-seminar-connects-the-design-of-sustainable-projects-with-community-involvement/?utm_source=rss&utm_medium=rss&utm_campaign=learning-to-listen-seminar-connects-the-design-of-sustainable-projects-with-community-involvement#sthash.pt4Ya5bl.dpuf). ■

# NCS Committee News and Updates

## Centennial Committee – February 14 Planning Meeting

The Centennial Committee had its second meeting on February 14, 2014. We are still identifying activities and a 2-year milestone is being developed. Subcommittees are currently being formed. If you are interested in volunteering or sponsoring initiatives around this major milestone, please contact Mr. Christian Manalo, Centennial Committee Co-Chair (703-626-1031 or [manalo\\_christian@bah.com](mailto:manalo_christian@bah.com)). The Centennial Committee will hold its next planning meeting on March 21.

## Water Resource Committee – Joint Meeting with the American Water Resources Association

In January, the Water Resources Committee collaborated with the American Water Resources Association to host a presentation on the bio-



Brent Christ of DC Water, Engin Guven and Dave Schwatz of CDM Smith, answer questions at the January NCS meeting.

solids management program (BMP) at DC Water's Blue Plains Advanced Wastewater Treatment Plant to 100 attendees. The distinguished speakers were Brent Christ, Construction Supervisor for DC Water; Dave Schwartz, VP of CDM Smith and Project Manager for the PC/CDM Joint Venture; and Engin Guven, also of CDM Smith and part of the construction team. (This was the January NCS dinner meeting, held January 28<sup>th</sup>, because of inclement weather the previous week.)

DC Water is currently implementing a ten-year, \$3.8 billion Capital Improvement Program, which aims to improve the District's water and sewer infrastructure. One major component of this effort is the BMP, which will use the



Cambi System (thermal hydrolysis) to treat the biosolids.

Those served by Blue Plains will save \$20 million annually (\$10 million each from power not purchased and reduced sludge disposal costs). Further, greenhouse gas emissions will be reduced by 40 percent through a combination of reduced biosolids production and new on-site power generation. And finally, the new construction will allow capacity upgrades in the future to be simpler and more sustainable. For more information on DC Water's BMP, visit the January 2014 NCS eNewsletter (click [HERE](#) to review).



## Younger Members Forum

**Monthly Happy Hours.** The ASCE-NCS Younger Members Forum (YMF) holds monthly Happy Hours in either Arlington, VA, or Washington, DC. Happy Hours typically are the first Wednesday of each month unless a holiday falls during that week. For the February 5 Happy Hour, 30 members converged on the *Hard Times Cafe* in Arlington, VA. Almost half stayed to participate in the Geeks Who Drink Trivia



YMF members at the *Hard Times Cafe* in February.

afterwards. One of our teams placed third overall!

The next Happy Hour will be held at *Ireland's Four Courts* in Arlington, VA, on Wednesday, March 5, from 6–8 p.m. ([www.irelandsfourcourts.com/](http://www.irelandsfourcourts.com/)); 2051 N Wilson Boulevard, seconds from the Courthouse Station on Metro's Orange Line). Celebrate St. Patrick's Day early! Watch for an e-mail announcement with more details. For additional information, contact Sonja Hinish at [SHinish@wje.com](mailto:SHinish@wje.com).



**Younger Member Professional Development Meeting.** The NCS Younger Members are currently planning the next Professional Development meeting. The presentation will be given by America Walks, a national resource which fosters walkable communities. A date has not yet been scheduled for the event; more details will be provided in the coming weeks. Look out for e-mails with additional information!

For more information about the



ASCE-NCS Younger Member Professional Development Meetings or if you would like to suggest a presentation topic, please contact Paul Parfitt at [pparfitt@wje.com](mailto:pparfitt@wje.com) or David Smith at [dsmith@amtengineering.com](mailto:dsmith@amtengineering.com)



**Stay Connected!** Check out photos and stay up-

to-date with YMF events by visiting the new YMF Facebook page at [www.facebook.com/ASCENationalCapitalYMF](http://www.facebook.com/ASCENationalCapitalYMF). Also, follow us on Twitter (@[asce\\_ncsYMF](https://twitter.com/asce_ncsYMF)) at [https://twitter.com/asce\\_ncsYMF](https://twitter.com/asce_ncsYMF).

If you would like to become more active with the YMF or would like more information on its events, contact the YMF President, Jordan Pitt, at [JPitt@parrishandpartners.com](mailto:JPitt@parrishandpartners.com) or [ncsymfpresident@gmail.com](mailto:ncsymfpresident@gmail.com). ■





## Automation Committee Update

By Ranjit Sahai, ASCE-NCS President and Automation Committee Chair

On January 28 at George Mason University (GMU), Dr. Kamel S. Saidi, a guest researcher at the Intelligent Systems Division (ISD) of the Engineering Laboratory (EL) at the National Institute of Standards and Technology (NIST), captivated GMU civil engineering students with his presentation about **Robotics in Construction**.

The presentation was sponsored through a collaborative effort between the NCS Automation Committee and



the GMU ASCE Student Chapter. Dr. Saidi's presentation explained that the civil engineering construction industry, though slow in harnessing technology at the construction site, will transform due to market forces in the not too distant future and embrace robotics in

ways we may not be considering yet. He illustrated his point eloquently by sharing photographs of construction sites over decades that show little if any change in the chaotic methodology that is prevalent; and contrasted that with a



Dr. Saidi concluded with a message that technological advance is inevitable, the future will be robotized, and resistance is futile!

video that was the model of order and efficiency through changes in methodology and use of robotics.

Students, faculty, and guests attended the event. The NCS Automation Committee thanks the GMU Student Chapter leadership team, particularly Anne Zheng (President), and Andrew Rhim for their logistical support for the event. ■



Construction Site: Left – Empire State Building in the 1930s; Modern Construction in the 2010s

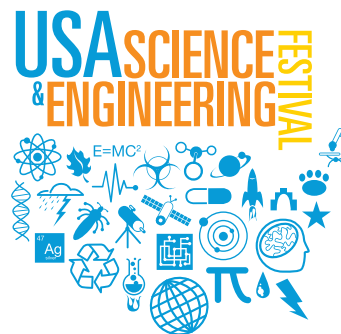
## Volunteers Needed to Celebrate Science and Sustainability

USA Science & Engineering Festival – April 25–27, 2014

The U.S. Environmental Protection Agency (EPA) People, Prosperity, and the Planet (P3) Competition at the 2014 National Sustainable Design Expo (NSDE) is scheduled for Friday, April 25, 2014 through Sunday, April 27, 2014. It will be co-located with the USA Science and Engineering Festival at the Washington Convention Center

in Washington, DC. Students will be competing for the ASCE and the EPA's P3 Award and exhibitors showcase their ideas for achieving sustainability for the planet.

The third annual [USA Science & Engineering Festival](#) is a national grassroots effort hoping to advance science, technology, engineering, and math (STEM) and inspire the next generation of scientists and engineers. The festival's exhibitors, performers, speakers, partners, sponsors, and advisors are a who-is-who of science and engineering in the United States; from major



academic centers and leading research institutes and government agencies to cutting-edge high tech companies, museums and community organizations. The USA Science and Engineering Festival is presented with the sponsorship of Lockheed Martin.

Please contact **Dean Westman** ([dwestman@wralp.com](mailto:dwestman@wralp.com)) if you are interested in volunteering. ■



## Upcoming Events *(Also available on the NCS website under the Events tab; click [HERE](#).)*

### March 5

The NCS Younger Members Forum sponsors its monthly happy hour at *Ireland's Four Courts* in Arlington, VA. Join younger members from the area for free appetizers and drink specials. For additional information, contact Sonja Hinish at [SHinish@wje.com](mailto:SHinish@wje.com). (See newsletter brief.)

### March 18

NCS Annual Awards Banquet held at the Hilton Arlington. Celebrate our region's outstanding projects and people. (See lead article.)

### March 20

ASCE hosts its 2014 Outstanding Projects and Leaders (OPAL) Gala at the Renaissance Arlington Capital View Hotel in Arlington, VA. This is the Society's annual black-tie event to honor leadership, achievement, innovation, industry advancement of research, and journalism excellence. For more information or to register, click [HERE](#).

### March 21

NCS Centennial Committee meeting/teleconference. Volunteers are needed to help with the planning and implementation of this major event. Come and be part of history! For the location and other details, contact Chris Manalo, Centennial Committee Co-Chair, at [manalo\\_christian@bah.com](mailto:manalo_christian@bah.com).

### April 4

The National Capital Region Section of the American Water Resources Association (AWRA-NCRS) and the Water Resources Research

Institute at the University of the District of Columbia (UDC) will host the 2nd National Capital Region Water Resources Symposium at UDC with the theme *Water Resources and Water Infrastructure: Emerging Problems and Solutions*. For full agenda and registration information, click [HERE](#).

### April 22

NCS monthly meeting at the Hilton Arlington. Our 2014 Sustainability Keynote Address will be presented by Michaela Wittmann, Senior Vice President and Director of Sustainability for HDR, Inc. Ms. Wittmann will be discussing the ISI Envision Rating System and focus on HDR's role as the Designer of Record of the William Jack Hernandez Sport Fish Hatchery, the first project to successfully achieve certification by the ISI as an Envision Project. (See newsletter brief.)

### April 26-27

The Washington Convention Center will be the site of the third USA Science & Engineering Festival. This is the largest STEM education event in the US featuring over 3,000 fun interactive exhibits, more than 100 stage shows, and other exciting attractions. Admission is FREE. For more information, click [HERE](#). (See newsletter brief.)

### May 20

NCS monthly meeting at the Hilton Arlington. The Section's History & Heritage Committee is reviewing several alternative topics for presentation at the May meeting. Watch for additional information in upcoming newsletters.

### June 1-5

ASCE's Environmental & Water Resources Institute hosts the World Environmental & Water Resources Congress 2014: *Water Without Borders*, in Portland, OR. For additional information or to register, click [HERE](#).

### July 21-23

ASCE's Energy Division will host the Shale Energy Engineering Conference in Pittsburgh, PA. For additional information or to register, click [HERE](#).

### August 3-6

ASCE will sponsor the Pipelines 2014 Conference in Portland, OR, with the theme *From Underground to the Forefront of Innovation and Sustainability*. For additional information, click [HERE](#). Registration opens in February 2014.

### November 6-8

ASCE will sponsor the International Conference on Sustainable Infrastructure 2014 in Long Beach, CA. The event will focus on sustainability in the built environment, presenting relevant engineering research, demonstrations, and applications that contribute to competitiveness and well-being. For additional information, click [HERE](#).

## Employment Clearinghouse

### Position Available

**Civil, Structural & Geotechnical Engineers** – The Neel Company is seeking Design/Project Engineers and an Engineering Manager. For more information, please visit [www.neelco.com/jobs.php4](http://www.neelco.com/jobs.php4). Send resume and cover letter to: [resumes@neelco.com](mailto:resumes@neelco.com).

*The ASCE-NCS provides the Employment Clearinghouse as a free service to its membership. The Clearinghouse allows members to post short notices for available positions or candidates seeking employment. All employers listed herein are equal opportunity employers. If you have questions, are seeking employment,*

*or would like to post a position, please contact the newsletter editor at [newsletter@asce-ncs.org](mailto:newsletter@asce-ncs.org) or phone 703-243-5298.*