

April 2014 Volume 60, Number 7

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NCS Sustainability Keynote – The William Jack Hernandez Sport Fish Hatchery

Seventh Annual Address to be Delivered by Michaella Wittman, LEED Fellow, ENV SP, Director of Sustainability and Senior Vice President, HDR, Inc.

We are honored to have Ms. Whittman present our 7th Annual Sustainability Keynote on 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

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.



Artwork outside the Anchorage hatchery.

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.

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.

Please note: No-shows will be charged the full registration fee. We welcome

Join us for this annual event on Tuesday, April 22, at the Hilton Arlington, 950 North Stafford Street, 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 Hilton is on the same block as the Ballston Station on Metro's Orange Line. Registration and networking will be from 6-6:45 p.m., followed by dinner. The program will end by 8:30 p.m. The cost is \$10 for students, \$45 for those preregistering, and \$55 for walk-ins, as space allows.

Please register by April 16, 2014.

Click [HERE](#) to register. One Professional Development Hour is available to attendees. For questions, please contact Ranjit Sahai at president@asce-ncs.org or 703-994-4849.

walk-ins, including any registrations made after the guaranteed number of guests is provided to the hotel. However, the cost for walk-ins is higher because the Section is charged accordingly by the hotel for late registrations.



Michaella Whitman,
Senior Vice
President, HDR, Inc.

President's Corner

Hello fellow civil engineers! Our Annual Awards Banquet gave us an opportunity to celebrate people and projects who have either already made a difference or are poised to embark on their journey to make their mark. As you rise above this local event and reflect on what our profession has accomplished globally over the past hundred years, the following observations may generate a sense of pride and also an aspiration to define what our areas of focus will need to be to make our contributions over the next hundred years ever more meaningful:



■ In his 2009 presentation at George Mason University, then ASCE President Blaine Leonard observed that the average human life span in this country has increased from 47 to 77; of those 30 increased years, 20 are attributable to the delivery of

clean drinking water and the treatment of sewage by civil engineers.

■ ASCE's "The Vision for Civil Engineering in 2025" observes that the pervasive existence of a functioning *built environment* is a vital component of our economic wellbeing and success.

To deliver an ever more meaningful impact on the human race in the future, ASCE has identified the following areas of endeavor as being aligned with the vision it sees for our profession in 2025:

1. infrastructure management (plan, design, operate, maintain);
2. sustainable methods and environmental stewardship;
3. technological innovation and integration;
4. natural disaster and accident risk mitigation; and

5. policy leadership on infrastructure and environmental issues.

Of these five areas of focus, I see the third and the fifth as the fuel that will propel the other three areas to greater heights. If you wish to explore this thought further, consider downloading two free booklets from the ASCE Website. The booklets are *The Vision for Civil Engineering in 2025* (114 pages) and *Achieving the Vision for Civil Engineering in 2025* (74 pages). Both are available using this link: <http://www.asce.org/Vision-2025/The-Vision-for-Civil-Engineering-in-2025/>

I hope you enjoyed our Annual Awards Banquet. This month's meeting will focus on sustainability. I look forward to seeing you over dinner on April 22.

With the very best of wishes,

Ranjit Sahai

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

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To Submit Articles: newsletter@asce-ncs.org

NCS eNewsletter Archives: go to www.asce-ncs.org and click on the Newsletters tab.

Address Changes:

Call 1-800-548-ASCE, email member@asce.org, go to <http://www.asce.org>, or write: ASCE – Membership, 1801 Alexander Bell Drive, Reston, VA 20191. Remember to include your membership number.

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

Board Member Feature

What Has it Meant to be a Member of the NCS Board?

Editors Note: This issue's column was prepared by Dean Westman, who is an NCS Past President (2007-08).

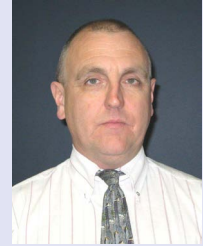
Like most on the Board of Directors (BOD), I was asked to help out and I assumed more responsibility for ASCE over time. The more responsibilities I received, the happier I was to be able to contribute, in any way, to the continued success of the NCS.

Membership on the BOD gave me the opportunity to make suggestions (and sometimes implement them) for bettering the ASCE-NCS experience for all members. I was able to contribute

on everything from Section monthly dinner speakers to the type of week-end events we support such as care of the Federal City Boundary Stones and selecting the sister organizations and events we support such as Engineers Without Borders. I'm particularly happy that our Section is able to give out Professional Development Hours at our monthly meetings, a decision that was made while I was on the BOD.

I am proud to be part of the long line of engineers stretching back 100 years and into the future who have contributed to the NCS.

About Dean: Dean received his Bachelor of Civil Engineering in 1981 and has worked in consulting engineering since graduation. He is currently an Associate at Whitman, Requardt & Associates, specializing in utility projects in their Fairfax, VA office. He is a registered professional engineer in Virginia and Massachusetts.



Dean Westman

Discover Engineering Family Day 2014

Over 30 volunteers from NCS and the Bechtel Corporation participated in a structure building activity at Discover Engineering Family Day at the National Building Museum (NBM) in Washington, DC, on February 22.



"Look at what I built!"

NCS has participated in Discover Engineering Family Day for over a decade. This annual event

is held during Engineers Week. Engineering societies, associations, agencies, companies, and schools nationwide come to the NBM and host various activities related to STEM (science, technology, engineering and mathematics). The emphasis is on engineering and fun for children from pre-school through college age.

This year's NCS activity included building the tallest and strongest structure possible out of spaghetti and marshmallows. After construction, the height of each structure was determined with the aid of a yardstick and the bearing capacity by loading the structure with calibrated washers, nuts, and bolts.

To add further engineering realism to this year's project, the building supplies were limited by a budget of \$400 play money with spaghetti strands costing \$5 and marshmallows \$10. The kids and their structure-building helpers had a great time as did all the NCS volunteers.

At the close of this year's event, the volunteers were treated to a Happy Hour at the DC Chop House hosted by the Bechtel Corporation.



"I don't need no stinkin help!"

Thanks to all our volunteers who made the day possible. Thanks to NCS Board member Emily Dean for organizing the NCS volunteers and to Justin Yeash at Bechtel for providing financial and other support to the NCS. And, thanks to ASCE President Randy Over and his family for joining us for the day.

The NCS has several weekend volunteer kid-oriented activities throughout the year. All of our activities are designed to show younger folks some engineering fundamentals in a fun, easy-to-grasp way. Volunteers are still needed for the NCS and ASCE Headquarters booth at EPA's P3 Design Competition on the National Mall. (See *NCS Committee News and Updates*.)

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NCS Committee News and Updates

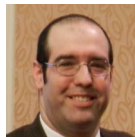
Sustainability Committee

Annual EPA P3 Event. Join NCS volunteers at the Civil Engineering booth on April 26-27 for this fun-filled event. Volunteers for two shifts are needed, 10 a.m. to 1 p.m. and 1 to 4 p.m., both Saturday and Sunday.



NCS volunteers teach children about water filtration at the 2010 EPA P3 event.

Contact Alex Rosenheim, at tcc-sus@asce-ncs.org.



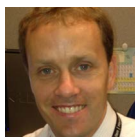
Event at ASCE Headquarters. On May 7, the Sustainability Committee will host tours and a panel discussion at the ASCE Headquarters building in Reston, VA, which recently received LEED Gold Certification in the Existing Buildings-Operation & Maintenance category. Activities will begin at 6 p.m., and will highlight measures that allowed certification of facility. Representatives from the U.S. Green Building Council, the ASCE Foundation, and the Upgrade Designers (RSG Architects) will be in attendance. For additional information, contact Alex Rosenheim.

Water Resource Committee – February 12 Quarterly Meeting

The February quarterly meeting was attended by Piers Causton, J.V. Loperfido, Sudhanshu Mishra, Sara DeGroot, Neftalem Negussie, and Salman Babar. The meeting included a recap of the January NCS dinner meeting and the presentation on DC Water's Biosolids Management Program, as



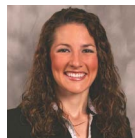
well as planning for a June 2014 luncheon and fall 2014 dinner event. Any ASCE-NCS member interested in participating in the Water Resources Committee should reach out to Sudhanshu Mishra (sumishra@gmail.com) or Piers Causton (causton_piers@bah.com).



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 held on the first Wednesday of each month unless a holiday falls during that week. The YMF held its March 5 Happy Hour at *Ireland's Four Courts* in Arlington, VA. Approximately 30 members attended the event.

The next monthly Happy Hour will take place in Washington, D.C., at 6 p.m. on



Wednesday, April 2. Look for an e-mail with the location! For additional information, contact Sonja Hinish at 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 Yolanda Savage-Narva with America Walks, a national resource which fosters walkable communities. The event is scheduled for Wednesday, May 14 from 6:30-8:30 p.m. at *Rockland's BBQ* in Arlington, VA. Look 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 or David Smith at dsmith@amtengineer-ing.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. Also, follow us on Twitter (@asce_ncsYMF) at https://twitter.com/_ncsYMF.

2014 ASCE Eastern Region

Younger Member Council. The 2014 Council was held February 7th and 8th in Indianapolis, IN. The NCS was represented by NCS-YMF Professional Development Co-Chair David Smith. Younger Member leaders throughout the entire Eastern Region (Regions 1, 2, 4, and 5) came together to network, share their leadership experiences, and improve their leadership abilities to further develop their respective ASCE younger member groups. The Council was held in conjunction with a workshop for Section and Branch leaders, attended by regional governors and directors. Student ASCE

leaders also attended the Workshop for Student Chapter Leaders, where they could interact with practicing engineers and section leaders could provide mentorship.

On the first day of the Council, attend-

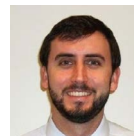


ASCE Region 2 Icebreaker: Line up by birthday.

ees learned about the organization and structure of ASCE and their local region and regional governors. Before lunch, six roundtable discussion groups were organized, in which everyone got to attend three each. Each discussion group focused on a more specific role of leadership, such as professional and technical development; student interaction and transitions; and community service and pre-college outreach. After lunch, attendees participated in an additional three of six workshops. These workshops were more practical in nature, presented by Section and Branch Leaders, and included such topics as Putting Your Public Speaking Skills to the Test; Effective Strategies and Action Plans; and Raise the Bar.

Day two of the Council was more geared towards networking, with an initial presentation on the value of networking and its practical application. Members were then provided an opportunity to hear from and ask questions of the national society leaders, ASCE 2014 President Randy Over, ASCE 2014 President-Elect Robert Stevens, and ASCE 2014 Executive Director Patrick Natale. The Council concluded with an awards banquet which recognized the past years outstanding younger member groups and their leadership.

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 or ncsymfpresident@gmail.com.



2014 NCS Awards Banquet Highlights

The NCS Annual Awards Banquet is an opportunity for the Section to recognize individuals and teams for outstanding achievement. Over one hundred members, guests, and students converged to network and take part in the Section's



NCS President Ranjit Sahai welcomes attendees to the 2014 NCS Annual Awards Banquet.

signature annual event at the Hilton Arlington on March 18.

This year's Student Scholarship, Outstanding Graduating Senior, Life Member, Community Service, Meritorious Service, and Outstanding Civil Engineering Project recipients are described below. The Sections first Lifetime Excellence in Service Award recipient is also recognized.

Civil Engineering Student Awards

The NCS awarded **\$14,050** in scholarships to deserving Civil Engineering students from our five area schools: The Catholic University of America, George Mason University, The George Washington University, Howard University, and the University of the District of Columbia. We also honored the faculty's selection for Outstanding Graduating Senior from all five schools. These individuals and their respective schools are listed below.

University	Scholarship Recipient	Outstanding Senior
The Catholic University of America (CU)	Daniel Coleman Alec Droussiotis Christopher Papp	Brenda Tedrick
George Mason University (GM)	Lisa K. Grube Trevor McGahey MacKenzie Tidwell	Perry Buckley
The George Washington University (GW)	Julian Olin – Hummel Memorial Scholarship Anna Porras – Hathaway Memorial Scholarship Eric Prokop	Mark Arnoldy
Howard University (HU)	Ahna Beruk – Harland Memorial Scholarship Sajeeda Chin Rekeyia Sherrell	Bria Crawford
University of the District of Columbia (UDC)	Jordan Matthews Beachrhell Jacques – Williams Memorial Scholarship	James Watkins



Scholarship Trust Chairman Bernie Dennis (left) presents an NCS scholarship to CU's Daniel Coleman.



Bernie presents an NCS scholarship to CU's Alec Droussiotis.



Bernie presents an NCS scholarship to CU's Christopher Papp (right) while the NCS' Fady Afif watches.



Dr. Deborah Goodings, Chair GM's Civil, Environmental and Infrastructure Engineering Department, addresses Banquet attendees and GM's NCS scholarship winners.



GM's Trevor McGahey, MacKenzie Tidwell, and Lisa Grube display their NCS scholarship checks.



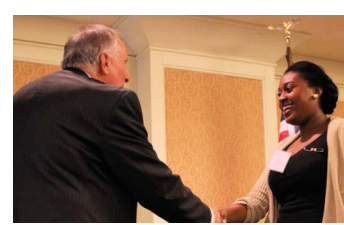
Bernie presents the Hummel Memorial Scholarship to GW's Julian Olin.



Bernie presents the Hathaway Memorial Scholarship to GW's Anna Porras, while Fady Afif watches.



Bernie presents an NCS scholarship to GW's Eric Prokop.



Bernie presents the Harland Memorial Scholarship to HU's Ahna Beruk.



Bernie presents an NCS scholarship to HU's Sajeeda Chin.



Bernie presents an NCS scholarship to HU's Rekeyia Sherrell while Fady Afif watches.



Bernie presents an NCS scholarship to UDC's Jordan Matthews.



Bernie presents the Williams Memorial Scholarship to UDC's Beachrhell Jacques.



Dr. Gunnar Lucko recognizes Brenda Tedrick as CU's Outstanding Graduating Senior.



Dr. Deborah Goodings recognizes Perry Buckley as GM's Outstanding Graduating Senior.



Dr. Samer Hamdar (left) recognizes Mark Arnoldy as GW's Outstanding Graduating Senior.



Dr. Robert Efimba recognizes Bria Crawford as HU's Outstanding Graduating Senior.



Dr. Ahmet Zeytinci (left) recognizes James Watkins as UDC's Outstanding Graduating Senior.

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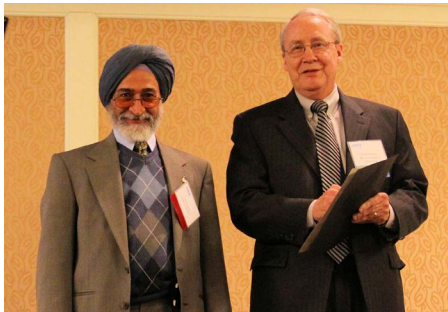


Life Member Awards

The following NCS members were awarded Life Member certificates. To achieve this status, a member must have reached their 65th birthday, have paid dues in any membership grade except Student Member for at least 35 years, and have had at least 10 years of continuous membership immediately preceding the attainment of Life Member. **We offer our sincere congratulations to the following Life Members!**

Life Members

Philip Braswell	Michael Lears
Michael Fekete	Chuyen Nguyen
John Hartigan Jr.	Joyce Schlesinger
James Hendricks	Ronald Silva Sr.



Ranjit Sahai (left) presents James Hendricks with the ASCE Life Member Certificate.



Ranjit (left) presents Chuyen Nguyen with the ASCE Life Member Certificate.

NCS Service Award Recipients

Community Service Award – The Community Service Award recognizes outstanding contributions by an individual toward community improvement in the Washington metropolitan area.

■ **Alex Rosenheim, P.E., LEED AP, CCM,** has been the Section's Sustainability Committee Chairman since 2011 and has been involved with ASCE since 1991 when he started as a member of

the student chapter. Since taking the role of Committee Chairman, Alex has coordinated speakers for the annual ASCE-NCS Sustainability Keynote Address and assisted with selection and award of the Sustainability Project of the Year. Alex has also spearheaded NCS' participation with ASCE at the EPA P3 Sustainable Design Expo and coordinated site-visits to facilities with a sustainable focus. Additionally, the Section's Sustainability Committee has begun an education program focusing on infrastructure impacts and responses due to projected sea-level rise for the Chesapeake Bay watershed.



Past President Qamar Kazmi (left) presents the NCS Community Service Award to Alex Rosenheim, Chairman of the NCS Sustainability Committee.

Meritorious Service Award – The Meritorious Service Award recognizes individual members of the NCS who have made outstanding contributions to the work of the Section.

■ **W. Jordan Pitt, P.E.,** is the current President of the NCS Younger Member Forum and has been an active member of the NCS since 2009. Along with Jordan's service as a member of the NCS Board of Directors, he has been very involved with promoting events for the YMF and is currently leading the efforts for the online payment system used for NCS online transactions.

Jordan is a graduate of Tennessee Technological University and holds a Master of Science Degree in Structural Engineering from Virginia Tech.



Qamar (left) presents the NCS Meritorious Service Award to YMF President Jordan Pitt.

Lifetime Excellence in Service Award – This year, the NCS has instituted a new award to recognize individual members of the Section who have made outstanding contributions to the work of the NCS over their lifetime. The awardee must be an active member who has contributed significant time and talent to the Section over at least ten years and who sets a high standard of professionalism through service.

■ **Bernard George Dennis, Jr., P.E.,** is active in ASCE at the Section and National levels. He is the current Chairman of ASCE's National History & Heritage Committee (H&HC). Bernie served as editor for the proceedings of 3 H&HC Congresses published by ASCE Press, and is currently editing the History proceedings for the upcoming ASCE Conference in Panama to celebrate the 100th anniversary of the Panama Canal. He served as President of the NCS in 1996-97 and chairs the NCS Structural Engineering and H&H Committees. Bernie also chairs the NCS Scholarship Trust, which awards scholarships annually to deserving Civil Engineering students from the five universities in the NCS. He coordinated the Section's participation as a partner with the National Park Service and the C&O Canal Association for the restoration of the Monocacy Aqueduct from 1995 through 2005, and continues to monitor the structure.

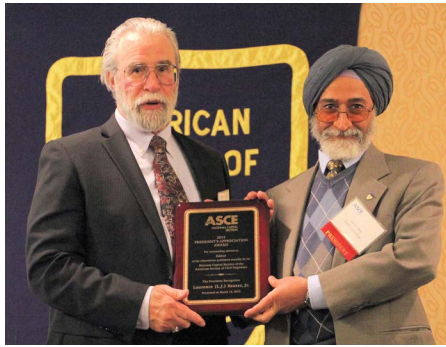
Bernie obtained his BS in civil engineering from the Catholic University of America (Magna cum laude) and his Masters Degree from The George Washington University.



Qamar (left) presents the first NCS Lifetime Excellence in Service Award to Bernie Dennis for his outstanding contributions to the Section.

President's Appreciation Award – This year, the President's Appreciation Award was presented to **L.J. Sauter, Jr.,** who has served the Section as Newsletter Editor for the past four years. Under his guidance, this "top-drawer" publication

has served as an important communication tool within the Section.



NCS President Ranjit Sahai (right) presents the President's Appreciation Award to L.J. Sauter, Jr.

Sustainability Project Award

In a commitment to increase sustainability at ASCE's headquarters building in Reston, VA, the ASCE Foundation, the building's owner, pursued the prestigious LEED Gold Certification rating, and on August 28, the U.S. Green Building Council confirmed that ASCE had achieved its goal.



Among the things ASCE has done to achieve the LEED Gold Certification rating is upgrade all 44 toilets to auto-flushing, which has reduced water usage by more than 30 percent. Beginning in October 2011, ASCE started a major lighting project to save energy throughout the building, which included replacing all existing T12 lighting tubes and non-electric ballasts with

T8 tubes with electric ballasts. The new lighting tubes were also placed on sensors, which made turning off the office lights automatic at the end of the day or when not occupied. Another significant project was the installation of a sub-meter to track energy usage in ASCE's computer server rooms. Annual electricity savings from the lighting retrofit come to nearly \$32,000.

ASCE also began tracking greenhouse gas emissions and in 2012 alone saved more than 209 metric tons of CO2 emissions, a contributor to a changing climate. In addition, the Society implemented a low-impact Building Exterior and Hardscape Management Plan, which helps preserve the local ecology by reducing pollution and chemical runoff. Meters and moisture sensors were added to the exterior irrigation system to reduce water use; a Building Commission Plan was developed to ensure that the building systems are operating as designed and upgrades are scheduled as necessary; and a cleaning policy was implemented that applies to the whole building, encouraging the use of only green cleaning practices and products.



Alex Rosenheim, NCS Sustainability Committee Chairman (left), presents the ASCE-NCS Sustainability Award to Richard Wright, who accepted the award on behalf of the ASCE Foundation.

Because all of ASCE's departments now participate in a sustainable purchasing program, more than 50 percent of

all purchases now contain recycled or renewable material with zero environmental toxins. The Society's Solid Waste Management Policy has improved

the building's total recycling rate from 30 percent to 50 percent. Richard Wright, Dist.M.ASCE and a member of ASCE National's Sustainability Committee, accepted the award on behalf of the ASCE Foundation.

Outstanding Civil Engineering Project Award

This year, both the **Post-Earthquake Evaluation of the Washington Monument Restoration and the 11th Street Bridge, Phase 1, Design-Build Project** were nominated for this award. Both project teams made a brief presentation, after which the NCS Awards Committee announced the winner. The award was presented for the 11th Street Bridge Project.



■ **11th Street Bridge, Phase 1, Design-Build Project.** The DC Department of Transportation's (DDOT) 11th Street Bridge Design-Build Project is the first river bridge replacement in 40 years and the largest project in DDOT's history.



Sanjay Kumar (left) and Joseph Dorsey of the DC Department of Transportation (DDOT) present "The 11th Street Bridge, Phase 1, Design-Build Project."



Joseph Dorsey (from left) and Sanjay Kumar, DDOT, accept the ASCE-NCS Outstanding Civil Engineering Project Award from NCS Past Presidents Qamar Kazmi and John Casana and NCS President Ranjit Sahai.

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Sanjay Kumar, DDOT (from left), and Jon Whitney, HNTB Corporation, with the Outstanding Civil Engineering Project Award. NCS President Ranjit Sahai joins the presentation. HNTB was the project construction manager for DDOT.

The bridge is the signature project of the Anacostia Waterfront Initiative, DDOT's 30-year, \$10 million program to revitalize the Anacostia River waterfront as a safe, local destination for fishing, boating, walking, recreation and environmental education.

NCS newsletter readers are well acquainted with this important project, which was the lead article in our November 2012 edition. If you missed this article, please visit the ASCE-NCS

website (<http://asce-ncs.org>) and look under the Newsletters tab.

Outstanding Civil Engineering Project runner-up: the **Post-Earthquake Evaluation of the Washington Monument Restoration Project**. The Mineral, VA earthquake on August



old, unreinforced masonry structures, including some of the nation's iconic monuments.

The Post-Earthquake Evaluation of the Washington Monument included challenges associated with early response efforts in the wake of the earthquake and coordination of multiple disciplines to inspect structural damage, analysis of structural behavior under seismic loads, evaluation of geotechnical issues, and preparation of designs for repair.

23, 2011 – which measured 5.8 on the Richter scale – caused damage to a number of structures in the Washington, DC area. Especially affected were the



Martina Driscoll (left) and Eric Sohn of Wiss, Janney, Elstner Associates, Inc., present "Post-Earthquake Evaluation of the Washington Monument Restoration Project", one of two finalists for the ASCE-NCS Outstanding Civil Engineering Project Award.

NCS newsletter readers are also acquainted with this important project, which was the lead article in our January 2013 edition.

The NCS wishes to extend its hearty congratulations to all the 2014 award recipients!

May NCS Meeting Preview – Rehabilitation of the Arlington Memorial Bridge

The National Park Service (NPS), in cooperation with the Federal Highway Administration, is proposing to rehabilitate the Arlington Memorial Bridge (AMB). This historic bridge has not undergone a major rehabilitation project in many years and, like many other older highway bridges across the nation, this bridge needs comprehensive repair to ensure service for decades to come.

Our speaker will be J. Lawrence "Larry" Lee, Ph.D., P.E., an engineer-historian with the Historic American Engineering Record (HAER), a branch of the NPS that documents classic and endangered engineering artifacts. He has been leading an HAER documentation project for the AMB, which will be completed later this year. Larry will provide us an overview of HAER, the history of and current conditions of the AMB,

with insights into the NPS plans for the bridge's rehabilitation.



Larry Lee

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

April 2

The NCS Younger Members Forum sponsors its monthly Happy Hour at a yet-to-be-determined location in Washington, DC. Join younger members from the area for free appetizers and drink specials. Watch for an e-mail announcement with the location. For additional information, contact Sonja Hinish at SHinish@wje.com. (See newsletter brief.)

April 4

The National Capital Region Section of the American Water Resources Association 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 7

The National Institute of Science and Technology (NIST) hosts its First Workshop on a Community-Centered Approach to Disaster Resilience at the main Gaithersburg campus. For event details, click [HERE](#). Additional information is available from Stephen Cauffman, Disaster Resilience Lead, at stephen.cauffman@nist.gov.

April 22

NCS monthly meeting at the Hilton Arlington. Our 2014 Sustainability Keynote Address will be presented by Michaella Wittmann, Senior Vice President and Director of Sustainability for HDR, Inc. (See lead article.)

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 U.S., featuring over 3,000 fun interactive exhibits, more than 100 stage shows, and other exciting attractions. Admission is FREE. For more information, click [HERE](#).

Additionally, join ASCE National and NCS volunteers on the National Mall for the U.S. Environmental Protection Agency-sponsored P3 (People, Planet and Prosperity) Design Competition. To volunteer at our booth, contact Alex Rosenheim at tcc-sus@asce-ncs.org. (See newsletter brief.)

May 7

The NCS Sustainability Committee hosts a panel discussion and tours of the ASCE Headquarters building in Reston, VA, which recently achieved LEED Gold Level Certification. Contact Alex Rosenheim at tcc-sus@asce-ncs.org for additional information. (See newsletter brief.)

May 20

NCS monthly meeting at the Hilton Arlington. The Section's History & Heritage Committee will host Lawrence Lee and a presentation on the Arlington Memorial Bridge rehabilitation project. (See newsletter brief.)

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.

September 16

First NCS monthly meeting of the 2014-15 year. Meeting topics will be developed at the NCS summer planning meeting, typically held in July. **Get involved!** To attend the summer planning meeting, contact any member of the NCS Board of Directors. Watch for additional information on our September program in future notices.

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

Engineering/Civil – Bay Engineering in Annapolis, MD, has an opening for an engineer with a BS in Civil Engineering and 5-10 years' experience in land development. Must have working knowledge of Autocadd 3D, and MD Stormwater Management regulations.

Great environment, excellent compensation and benefits, including 401K with match. E-mail resume to: info@bayengineering.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 or phone (703) 243-5298.