

ASCE NCS January 2022 Section Meeting WMATA Silver Line – Phase 2

The Silver Line is a 23.1-mile extension of the Metrorail system in the rapidly growing Northern Virginia Dulles Corridor. This public transportation mega-project extends the existing Metrorail system from the Orange Line in Falls Church through Tysons Corner to Dulles International Airport and beyond the airport to Route 772/Ashburn Station in eastern Loudoun County. The Metropolitan Washington Airports Authority serves as the owner and builder of the Silver Line, managing the design and construction of Phase 1 and Phase 2, and eventually turning ownership and operation over to the Metropolitan Washington Transit Authority (WMATA). The Airports Authority constructed the Silver Line in two major phases: Phase 1 (opened in July 2014) extended Metro service to Wiehle Avenue in Reston, and Phase 2 will extend the Silver Line from the current Wiehle Avenue Metrorail Station through Dulles International Airport to Route 772/Ashburn Station. The Airports Authority recently announced that the construction of Phase 2 is substantially complete, which allowed WMATA to begin operational readiness testing and pre-revenue preparations before opening to riders. An official

opening date has not been set, but the new phase is expected to open to the public in 2022.

Phase 2 of the Silver Line includes at-grade tracks and five at-grade stations in the median of the Dulles International Airport Access Highway (DIAAH) and Dulles Greenway, an aerial (elevated) trackway and one aerial station at Dulles Airport, and Metro's largest maintenance and storage yard facility, a 90-acre property located north of Dulles International Airport. Five new garages have been constructed by Loudoun County and Fairfax County near the stations, providing a total of 8,900 park-and-ride spaces for Metrorail users. Wayside facilities, including eleven traction power substations (TPSS), six tie-breaker stations (TBS), and various stormwater management (SWM) facilities were constructed along the 12-mile alignment of Phase 2. Phase 2 was separated into two primary construction packages. Package A is the mainline design-build contract west of Wiehle Avenue consisting of all six stations, the at-grade and aerial trackways, TPSSs and TBSs, and stormwater management facilities. Package B is the design-build contract for the Dulles Rail Yard and Maintenance Facility. This

Please join us virtually on **Tuesday, January 18th** from 12:00 pm to 1:00 pm for a modified ASCE National Capital Section September Lunch Meeting! The program will approximately consist of a one hour presentation with a webinar format and one (1) PDH credit will be awarded. The cost will be \$5 for all members, non-members, and students. For questions, please contact president@asce-ncs.org. Please [click here](#) to register by **Monday, January 17th**.

presentation will be an overview of the construction of Phase 1 and Phase 2 of the Silver Line.

About the Speaker

Stephen Barna, P.E., M. ASCE is the Director of Project Engineering for the Metropolitan Washington Airports Authority on the Dulles Corridor Metrorail Project (Silver Line). Mr. Barna has held various positions on this project for the past thirteen years, with the last six years as Director. Prior to coming to the Airports Authority, Mr. Barna worked for 36 years in the construction industry. Mr. Barna has worked on numerous construction and design-build projects for the Army Corps of Engineers, Department of the Navy, General Services Administration, and Metro. He has been the Principal Engineer on numerous design build projects for the Federal Government. He is a graduate of Virginia Polytechnic Institute and State University with a Bachelor of Science Degree in Civil Engineering. He is a Registered Professional Engineer in the Commonwealth of Virginia, the State of Maryland, and the District of Columbia. He currently serves on the ASCE-NCS Board of Directors. ■



President's Corner

Happy New Year!

If the month of January was a blank canvas, I would typically race to paint every square inch with my vision of the entire year. This year, however, I will resist the inclination to fill all empty space with many resolutions. 2022 will be a year of prioritizing resolutions and teamwork! As a Chicago native, I will quote my all-time favorite NBA Coach during the Michael Jordan era, Phil Jackson. "The strength of the team is each individual member. The strength of each member is the team." By creating the time and space for ASCE NCS members to prioritize or focus on a resolution, our collective efforts will have a greater impact.



After reflecting on what deserves more attention, supporting and developing programs for younger generations to experience Science, Technology, Engineering, and Math is essential. At the Region 2 Assembly in November 2021, ASCE President Dennis D. Truax, Ph.D., P.E., DEE, D.WRE, F.ASCE and Gerald (Jerry) Buckwalter M.ASCE, ASCE Chief Innovation Officer, spread the word that ASCE's [Future World Vision](#) will be developing a public outreach initiative in FY2022. This includes working with partners at museums and science centers for youth engagement. In addition to this, the 2022 [Future City](#) Finals Competition, a program of DiscoverE, will be held

virtually in February and March of 2022. This year, middle school students were challenged with designing a waste free city. ASCE NCS members are always encouraged to support this program and participate as judges. The engineering profession is vital, and we can work together to inspire a student to pursue this career path.

President Biden's official signing of the [Infrastructure Investment and Jobs Act \(IIJA\)](#) into law was a major highlight and achievement in 2021. In 2022, the focus will shift to its implementation, and ASCE NCS members can continue engaging in this momentous undertaking. In the months leading up to this historic event, the ASCE National Capital Section released the [Report Card](#) for Washington, D.C.'s infrastructure on June 15, 2021. The Report Card Committee Chair, Ranjit Sahai, and the dedicated team, including Hari Aamidala, Gretchen Bruggeman, A. Scott Kiefer, Kari Kubista, Jason Levinn, Christian Manalo (Vice Chair), Robert Principato, James Reynolds, Brenna Thorpe, David Townsend, Eric Uhl, Norine Walker, and Ken Klewicki, worked tirelessly to grade D.C.'s bridges, drinking water, energy, levees, rail, roads, transit, and wastewater. ASCE Government Relations recognizes report cards, developed by ASCE Report Card Committees throughout the nation, as key advocacy tools. Report Cards undoubtedly add value by informing lawmakers and the public of the current condition of critical infrastructure. As agencies move toward

continued on page 3



Upcoming Events

Until further notice, all in-person ASCE NCS events have been cancelled. Opportunities for virtual events will be announced as they are planned.

Newsletter

Maria Raggousis, Editor

February 2022 Issue Deadline: January 21, 2022

To Submit Articles: newsletter@asce-ncs.org

NCS eNewsletter Archives: go to www.asce-ncs.org and view along the sidebar.

Address Changes: Call 1-800-548-ASCE, e-mail member@asce.org, visit www.asce.org, or write: ASCE – Membership, 1801 Alexander Bell Drive, Reston, VA 20191. Include your membership number.

National Capital Section

Officers (2021–2022)

Jameelah Muhammad Ingram, President

Elizabeth Wheeler, Vice President

Joseph Whartenby Jr., Treasurer

Norine Walker, Secretary

Kelly Cronin, Past President

Emily Dean, Previous Past President

Maria Raggousis, Newsletter Editor

Ariana White, YMF President

Lisa Anderson, Director

Tricia Wolfbauer, Director

Stephen P. Barna, Director

Shainur Ahsan, Director

Christopher Friend, Reston Branch President

Committee Chairs

Please refer to the [NCS website](#) for a current list of NCS committees and chairs.

implementation of the IIJA, ASCE Government Relations will be conducting monthly webinar series throughout the year. Each month will focus on a particular topic, and January begins with Water Infrastructure. Please sign up to become a [Key Contact](#) to stay apprised of these events.

Professional Development is an ongoing goal for our Section, and we grow from learning about each other's projects and initiatives. January's Section Meeting will be hosted online on Tuesday, January 18, 2022 at 12 PM EST. Stephen Barna, P.E., M. ASCE, will present on the Phase 2 of the Washington Metropolitan Area Transit Authority (WMATA) Silver Line, expected to open to the public in 2022. Mr. Barna is the Director of Project Engineering for the Metropolitan

Washington Airports Authority on the Dulles Corridor Metrorail Project (Silver Line). He also serves as Director on the ASCE NCS Board of Directors. The National Capital Section thanks Stephen for taking the time out to prepare this presentation!

If you are deciding on a resolution for the New Year, the ASCE National Capital Section would like to offer ways for members to choose their own ASCE adventure for the year. So, near the end of January, leaders of our committees, institutes, and forums will host a special showcase to share their plans. The date is set for Wednesday, January 26, 2022 at 12 PM EST. Please check your inboxes in January to sign up. Committee, Institute, and Forum Leaders will introduce volunteer opportunities where members can

continue to grow with the Section. My term as President lasts a year, yet the Section was founded in 1916. Therefore, the question becomes, what can we do together to contribute to the Section's lasting legacy? My hope is that we make the ASCE National Capital Section even better for members who come after us.

On behalf of the ASCE National Capital Section, we wish you a peaceful and joyous January! May the grace people often extend to one another during the holiday season carry over into the new year.



Jameelah C. Muhammad Ingram,
P.E., M. ASCE
ASCE NCS President

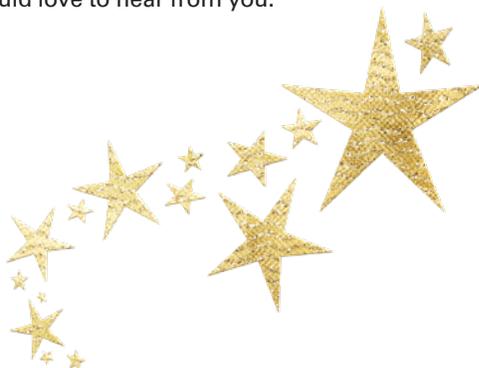
Call for Project of the Year and Community Service Award Nominations!

During the ASCE National Capital Section Annual Section Award event in March 2022, NCS will honor outstanding Civil Engineering Project of the Year and Community Service Award winners. Please find a description of each award below:

Civil Engineering Project of the Year – The Civil Engineering Project of the Year Award recognizes a civil engineering project within the National Capital region that demonstrates the greatest civil engineering skills and represents the greatest contribution to civil engineering progress. The project must have been substantially completed within the preceding three years. The Awards and Nominations Committee considers the contribution to the well-being of individuals, the resourcefulness in planning, the solution of design problems, the pioneering use of materials and methods, innovations in construction, impact on the physical environment, unusual aspects, and aesthetic values. If you have a project, or know of a project, that you think should be nominated, please let us know; we love to highlight local engineers and their projects and would love to hear from you.

Community Service Award – The Community Service Award recognizes outstanding contributions by an individual toward community improvement in the Washington metropolitan area. The National Capital Section Board of Directors determines that the awardee must have made, in the opinion of community leaders, an outstanding, selfless contribution of time and talent toward a civil engineering-related activity that has furthered the welfare of the community within a three-year period preceding the award. If you know of an individual who deserves to be nominated for this award, please let us know.

Please contact ASCE NCS President, Jameelah Muhammad Ingram, P.E. (president@asce-ncs.org) for a copy of the Nomination Forms. ■



ASCE-NCS Newsletter Patron

ESE CONSULTANTS

ENGINEERING · PLANNING · SURVEYING · ENVIRONMENTAL

JOIN OUR GROWING TEAMS IN
ASHBURN, RESTON, & COLUMBIA

EMAIL MMAYHEW@ESECONSULTANTS.COM

The Evolution of Engineering Ethics: ASCE's Code of Ethics

Dr. Z. wishes all ASCE-NCS eNewsletter readers health, happiness and prosperity in 2022. We trust, over the past several weeks, you all enjoyed spending time with family and friends. One of the things I love most about this time of year is the opportunity to catch up with those who I haven't seen or spoken to in a while.

For this month's article, I can't think of a better title than "Engineering Ethics" and of course, I will use **ASCE's Code of Ethics** as our main source in this article.

We live in a troubled, confused global society; one need only look over the East River and the absence of what was once there as a "monument" to the failure of values in our world. The engineer is a critical player in the modern technological society. His or her values and how he or she participates in the global economy is and will be a critical component of the well-being of our society. As engineering students, engineers and educators, we have a special role to play in forming the ethical values of the engineers of the future and tempering them in the application of ethics to their practice of the profession of engineering.

The Evolution of ASCE's Code of Ethics

The Code of Ethics is the foundation of the application of the civil engineering profession to the client and the public at large. The codification of ethics has taken many forms: from the Ten Commandments, to the Doctrine of Socrates, to Nicomachean Ethics, to the Code of Hammurabi, to the American Constitution, to the Golden Rule, to the **ASCE's Code of Ethics** tailored to the professional civil engineer. Between 1877 and 1914, the Society's Board of Directors was very conservative and believed that ethics was a matter of an engineer's personal responsibility and honor and not appropriate for a written code. In 1914, however, a special committee of the Board of Directors was appointed to draft a Code.

In 2008, ASCE published its first guide on ethics titled "*The ASCE Code of Ethics, Principles, Study, and*



Application." This guide discussed what a code of ethics is and how it applies to one's professional and personal life. This first guide was written by Mr. Eric L. Flavell, P.E., Fellow-ASCE as a gift to the Society and the profession so that we can continue to earn the public's trust as we work to improve our quality of life. Help and support for the guide were provided by the Committee on Professional Practice, the Committee on Business Practices, and a Blue-Ribbon Panel to review the relevancy, content, and quality of this document.

Then the official code on ethics was published and adopted in 1914. The **ASCE Code of Ethics**, <https://www.asce.org/ethics/documents/asce-code-ethics.pdf> is now a model for professional conduct for all ASCE members.

The most recent ASCE's Code of Ethics was updated on October 26, 2020 and starts with PREAMBLE "*The latest Members of The American Society of Civil Engineers conduct themselves with integrity and professionalism, and above all else protect and advance the health, safety, and welfare of the public through the practice of Civil Engineering.*"

Fundamental Questions on Ethics for Engineering Students

The ASCE's First Guide on Ethics included more than thirty questions and answers for those new to ethics as well as those who have been learning and applying ethics all their lives. The following questions are intended to be thought provoking, with purposely short and concise responses. Each of these questions could be the source of extensive discussion. The intent is

to expose the reader to the breadth of ethics, the importance of ethics, and to start the process of a serious and in-depth

- What is a Code of Ethics?
- Why do we need a Code of Ethics?
- The Code of Ethics is focused on how many constituencies?
- How should a Code of Ethics be used?
- Where does ethics come from?
- How does the Code of Ethics apply to my professional life?
- How does ethics apply to my personal life, outside of my professional life?
- Is everyone's ethical focus the same?
- How do you judge others' implementation of ethics?
- Why is ethics important?
- How does ethics impact leadership?
- Is ASCE's Code of Ethics the same as everyone else?
- What should I do if I observe unethical behavior?
- What if my ethical position is different from someone else's?
- Is compromise good ethics?
- Has ethics always been here?
- Who enforces ethics, and how is it done?
- Aren't laws the same as ethics?
- Can I have more than one ethics?
- How do others see my ethics?
- What is the impact of ethics on the public's view of the civil engineering profession?
- How do ethics impact my career?
- How can ethics impact my life?
- When I tried to apply ethics, it cost me that big project!
- How do I get the best ethics?
- Can I buy ethics?
- Is ethics public or personal?

continued on page 5

Dr. Z's Corner, continued

- How can I demonstrate ethical commitment?
- Is ethics based on a cultural or religious affiliation?
- Is ethics just for me, or is it for others too?
- Is there something that can help me analyze and resolve an ethical problem?

Not only ASCE but also other professional organizations provide many

sources of information that evaluate and teach how to apply ethics in your daily personal and professional life. ASCE's website lists many ethics resources at <http://www.asce.org/Leadership-and-Management/Ethics/Related-Ethics-Information/>. The list includes both suggested reading materials and resources for self-study

I would like to end this month's article with a paragraph from "ASCE's Discussion on Ethics."

"The only things that an individual truly owns and controls are his/her thoughts, actions, memories, and integrity. Everything else in life is borrowed. Choose your actions thoughtfully and responsibly."

Until next time,
Ahmet Zeytinci, P.E.
az@akfen.com



Board of Directors Results

Thank you to everyone who voted on the 2021–2022 slate for the ASCE NCS Board of Directors. The slate was approved. We look forward to working with you in 2022!

Vice President: Elizabeth Wheeler, P.E.

Elizabeth previously served as NCS Director. She is currently a Project Engineer II with Mosaic Engineering and Consulting, P.C.

Secretary: Norine Walker, P.E.

Norine previously served as NCS Secretary. She is currently Vice President of Systra .

Treasurer: Joseph Whartenby Jr., P.E.

Joe previously served as NCS Treasurer-in-Training and YMF President. He is currently a Senior Engineer with Rodgers Consulting.

Director: Lisa Anderson, P.E.

Lisa previously served as NCS Director. She is currently a Senior Earthquake Engineering Specialist with Bechtel Corporation.

Director: Shainur Ahsan, P.E.

Shainur previously served as Reston Branch President. He is currently a Project Engineer at Whitman, Requardt and Associates, LLP.

Director: Stephen P. Barna, P.E.

Stephen is currently Director, Project Engineering at the Metropolitan Washington Airports Authority.

Director: Tricia Wolfbauer

Tricia previously served as NCS Director. She is currently a Construction Representative/On-Site Superintendent with the Architect of the Capitol (AOC).

Director (Newsletter Editor): Maria Raggousis, P.E.

Maria previously served as NCS Director (Newsletter Editor). She is currently a Project Consultant with Simpson Gumpertz & Heger (SGH).

The following members will continue their existing terms on the Board:

President: Jameelah Muhammad Ingram, P.E.

Past President: Kelly Cronin, P.E

Previous Past President: Emily Dean, P.E.

YMF President: Ariana White, P.E.

Reston Branch President: Christopher Friend, P.E.

ASCE-NCS Newsletter Patrons



Celebrating 100 Years of Engineering Excellence in the Commonwealth of Virginia

Please join The ASCE Virginia Section celebrate 100 years of engineering excellence in the Commonwealth! The ASCE Virginia Section is hosting their Centennial Celebration GALA on Saturday, March 26th, 2022 in Richmond, VA. Come join your engineering colleagues from across the Commonwealth for a night of fun and comradery.

The Celebration GALA will be at the Omni Hotel in Downtown Richmond at 100 S 12th St, Richmond, VA 23219. We have a block of rooms at the Omni that are available at \$169.00 per night for that Friday and Saturday. Use the promo code "ASCE GALA" when booking your hotel reservation to get the discounted rate. Valet parking is available for overnight guests at \$20.00 per night (normally \$27.00). There is also an hourly rate available for those choosing to not stay over. Contact the Omni Hotel at 804-344-7000 to reserve your room.

Our Keynote Speaker will be 2022 ASCE President, Dr. Dennis D. Truax, PE, DEE, DWRE, FASCE, FNSPE; White Endowed Chair, Head & Prof., Civil & Environmental Engineering, Mississippi State University. Dr. Truax is a 1976 graduate of Virginia Tech.

Schedule

- Registration opens at 4:30pm
- Networking Social Hour: 5:00 – 6:00pm
- Dinner: 6:00 – 7:00pm
- Presentations, Awards and Dancing: 7:00 – 11:59pm

Ticket Pricing

- Early Bird (From October 1 to December 31, 2021) – \$40
- Regular (From January 1, 2022 to March 11, 2022) – \$50
- Students – \$10

The following Sponsorships are available:

Happy Hour Sponsor – \$1,500: There is only one available so get in early on this valuable opportunity! Benefits of a Happy Hour Sponsor include Company Logo on display during Happy Hour, ability to display company swag during Happy Hour, Firm Logo in Sponsor Power Point (company Logo on Full page) and GALA Program.

Platinum Sponsor – \$750: Benefits include a full table, 8 tickets, at the GALA with reserved seating, Firm Logo in Sponsor PowerPoint (company logo on full screen), and Firm Logo in GALA Program (two company logos on full page).

Gold Sponsor – \$400: Benefits include Four (4) tickets to attend the GALA, Firm Logo in Sponsor PowerPoint (two company logos per slide), and Firm Logo in GALA Program (four company logos per page).

Silver Sponsor – \$250: Benefits include Two (2) tickets to attend the GALA, Firm Logo in Sponsor PowerPoint (multiple company logos per slide), and Firm Logo in GALA Program (all silver sponsor logos on one page).



The poster features a dark blue background with golden bokeh lights. At the top left is the Virginia Section logo (American Society of Civil Engineers, Founded 1802, 1922). At the top right is the ASCE 2022 Centennial Virginia Section logo. The main text reads: "ASCE VIRGINIA SECTION CORDIALLY INVITES YOU TO THE CENTENNIAL CELEBRATION GALA". Below this, the date and times are listed: "MARCH 26, 2022", "REGISTRATION 4:30 PM", "RECEPTION 5 PM", "DINNER 6 PM". A paragraph follows: "Join the Virginia Section and its members in celebrating 100 years of Engineering Excellence in the Commonwealth of Virginia. Celebration includes a night of dinner, dancing and awards. Keynote speaker is ASCE President Dr. Dennis Truax". At the bottom is the ASCE logo (American Society of Civil Engineers).

Questions?

Contact: Nancy Lehr at nlehr@moffatnichol.com or Christina Ammens at cammens@vbgov.com.

Refunds only given until March 11, 2021. In the event that COVID Regulations or any other government directed restrictions on assemblies due to acts of nature such as fires, floods, hurricanes, etc., or other pandemics impact the date the gala is held, tickets purchased will still be honored for the new date and refunds will be issued if requested.

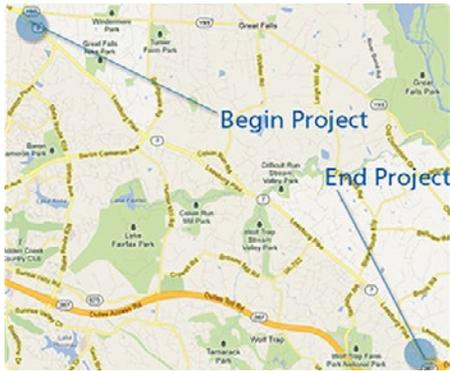
The ASCE Virginia Section will be following CDC guidelines and the Omni Hotel protocols for in-person events. This will include social distancing and hand sanitizing stations. If you are fully vaccinated, face masks are not required, however if you are not vaccinated, we ask that you please wear a face mask. However, we will not be checking for vaccination cards. We are all professionals and are respectful, courteous, and honorable, so, we ask that you be on your honor. In the event of a continued emergency or new emergency, we have a clause in the contract that allows us to reschedule or cancel the event. Thank you for your consideration and patience. ■

ASCE-NCS Committee and Branch News and Updates

Reston Branch

By Michael J. Magyarics, P.E., M. ASCE,
Reston Branch Vice President

On November 9th, the Reston branch hosted Jeffrey Austin, P.E., DBIA, from Shirley Contracting Company, LLC, for his virtual presentation entitled "Route 7 Widening." Jeff presented on the scope of this project, including the reconstruction and widening of Route 7 in Fairfax County, VA, and incorporating multi-modal and intersection improvements between Reston Avenue and Jarrett Valley Drive. Jeff also elaborated how



the improvements proposed within the Route 7 Widening project included widening the road from four to six lanes, constructing continuous shared-use paths for pedestrians and bicyclists, replacing the bridge over Difficult Run, adding a pedestrian underpass at Colvin Run Mill Park, and shifting Route 7 away from the historic Colvin Run Mill.

Jeffrey Austin, PE, DBIA is a Vice President with Shirley Contracting Company, LLC, with over 26 years of experience. He manages Shirley's design-build office in Chantilly focusing on pre-construction phases including design, environmental permitting, right-of-way acquisition, and utility coordination. Since 2004, Jeff has successfully led Shirley's design-build program with more than 20 Federal Highway, VDOT, and locally administered projects totaling over \$1.3 Billion.



As a Design-Build Project Manager, Jeff is responsible for providing oversight and monitoring of all stages of the design-build project life cycle. This includes coordination with internal and external stakeholders in a

way that fosters collaboration and promotes innovative solutions to project challenges. Jeff holds a BS in Civil Engineering from the Virginia Polytechnic Institute and State University. In addition, Jeff is a certified design-build professional by the Design-Build Institute of America and a licensed professional engineer. He is a longstanding member of VTCA's Design-Build Committee, where he currently serves as Chairman.

On January 20, 2022, the Reston Branch will host Glenn Havinoviski, P.E., Director of Intelligent Transportation Systems at Johnson, Mirmiran & Thompson, Inc., for his virtual presentation entitled, "The Changing World of Mobility." Please be on the lookout for additional meeting information via e-mail and our LinkedIn page.



Over the last 37 years, Glenn Havinoviski has emerged as one of the world's foremost experts in ITS development and transportation systems management. He has served both as a practice builder and a practice leader, providing project management and technical leadership for ITS and traffic management projects both in the US and abroad. He currently leads Johnson, Mirmiran & Thompson's ITS practice, applying his experience in ITS and CAV program planning and architecture, system design, deployment and operations. He brings additional experience in managed lanes, active traffic management systems, and integrated corridor management, along with real-time traveler information, road pricing and transit signal priority. He has led or served in a key role for projects in 18 U.S. states, Mexico, Eastern Europe, the Middle East and Asia. For three years Glenn served as a core instructor in training workshops for the International Road Federation (IRF), providing background to engineers in the Middle East on ITS and integrated mobility strategies. Mr. Havinoviski was a member of the TRB standing committee on Transportation Demand Management and its predecessor, Congestion Pricing, between 2014 and 2021, is a former President of ITS Virginia and served as US Expert to ISO Technical Committee 204 Working Group 1 (ITS Architecture and Data

Dictionaries). He is currently a registered Professional Engineer in Virginia, Ohio, Georgia, Maryland, Delaware, Florida, North Carolina, and the District of Columbia. Glenn graduated from the University of Wisconsin-Milwaukee in 1984 with a BS in Civil Engineering.

LinkedIn: The Reston Branch has launched a [group](#) on LinkedIn to provide regular updates for the Branch as well as offer a place for branch members to connect. See the following link for additional information: <https://www.linkedin.com/groups/13759693/>

Upcoming Events:

January 20, 2022, at 12 PM – Virtual Meeting – The Changing World of Mobility



Younger Members Forum

By Kush Vashee, P.E., CAPM, M. ASCE

Monthly Happy Hour. The NCS Younger Members Forum (YMF) holds monthly happy hours, alternating between Arlington, VA and Washington, DC. Happy hours are usually the first Wednesday of each month unless a holiday falls during that week.

The group held a virtual happy hour on Wednesday November 3rd on Webex! We hope for a bigger turnout at our next in-person happy hour starting at 6PM on January 8th. Look out for some emails soon with registration details and location information. We hope to see you there!

The YMF Group also planned a Virtual Holiday Social for the entire National Capital Section on Wednesday December 15th at 6:30 PM on Webex
continued on page 8



featuring a gingerbread competition. The gingerbread competition was a great success and we have two winners from the night! Congratulations to our Best Overall Design, Quality, and Craftsmanship winner – **Javier Revilla** and to our Most Unique Design Winner – **Gillian Love (&kids)**! Look out for the winner of our Member’s Choice Award coming soon from an email survey!

Professional Development:

Additionally, if you have suggestions for professional development meeting topics or would like to become more involved with the YMF in other areas, please contact the YMF President at ncsymfpresident@gmail.com.

Stay Connected! Check out photos and stay up-to-date with YMF events by visiting the new YMF Facebook page (ASCE National Capital Section Younger Members Forum), following us on Twitter (@ASCE_NCS_YMF), LinkedIn (ASCE National Capital YMF), and Instagram (@asce_ncs_ymf)

Get Involved! Are you interested in getting involved with more Younger Members activities? Do you have ideas for social events or volunteering activities? The NCS Younger Members Group is always looking for new members! Let us know if you are not already on our mailing list! If you would like to become more active with the YMF or would like more information on our events, please email the YMF President.

Education Committee

By **Kush Vashee, P.E., CAPM, M. ASCE**
The ASCE NCS Education Committee hosted their 2nd annual virtual résumé clinic for collegiate chapters on November 3rd, 2021. The event featured networking, a presentation, and résumé review appointments for students. Students from George Mason University (GMU ASCE), Howard University (HU ASCE), and George Washington University (GW ASCE) attended the event, alongside ASCE NCS professionals.

The ASCE NCS Education Committee would like to thank Lynn Mayo, PE and ASCE professionals offering their time to students on a Tuesday evening. Kush Vashee, P.E. (ASCE NCS Education Committee Chair and YMF Secretary) gave a presentation with tips for progressing from networking to securing an interview. Kush also shared the valuable resources ASCE provides

like ASCE Collaborate and ASCE Career Connections. Lynn Mayo, P.E. (CEO of RePicture and ASCE NCS Corporate Relations Chair) introduced RePicture to student chapter members at the presentation as well. RePicture helps engineering and science students to discover their right career. It also offers career resources for students, such as a Résumé-Builder program. Through the program, students have an opportunity to be rewarded for their research. Awards range from prizes from industry organizations to one-on-one meetings with professionals in a desired field. After the presentation, ASCE NCS professionals answered questions and shared personal career stories, brimming with advice. Then, students and professionals were matched and moved to virtual breakout rooms for one-on-one résumé reviews. Since the résumé clinic and presentation, students have expressed their appreciation for receiving guidance from working professionals; learning about RePicture; and the opportunity to spark a personal connection with a professional.

The ASCE NCS Education Committee welcomes all members to join us next year, in-person or online! We would like to create a running list of volunteers so if you are interested in participating in any of our future events (Career Panels, Mock Interviews and Resume Clinics) please email our [Chair](#) to express your interest.

ASCE-NCS has announced a call for nominations for the 2021 ASCE-NCS Scholarship Application to Faculty Advisors and Civil Engineering Department Chairs. Students should consider reaching out to the Faculty Advisor at their college or university for the application package and eligibility requirements. Applications will be due on February 11th 2022, and scholarships will be awarded at the ASCE NCS Annual Banquet in March 2022.

History and Heritage

American Civil Engineering has quietly shaped the history of our nation and every community within it. Unfortunately, the contributions of civil engineers have often gone unnoticed by the public, and even by engineers themselves.

In 1964, ASCE set out to remedy this situation by establishing the Committee on History and Heritage of American Civil Engineering (CHHACE). Now



known as the ASCE History & Heritage Committee, it is charged with enhancing the knowledge and appreciation of our civil engineering history and heritage, and the program recognizes national and international accomplishments.

To date, more than 200 projects worldwide have earned this prominent ASCE Historic Civil Engineering Landmark designation; recognizing the creativity and innovative spirit of civil engineers. Almost always performed under challenging conditions, each of these engineering feats represents the achievement of what was considered an impossible dream.

The Historic Civil Engineering Landmark Program provides guidelines for nominating sites for consideration. ASCE
continued on page 9



Sections must present research documenting the significant contribution the project made to the development of the region; the United States; or other countries, and, to advancing the profession of civil engineering in particular. Additionally, to be considered, projects must have achieved 50 years of age. A database of designated landmarks is available at the ASEC web site; however, while ASCE website reconstruction efforts are underway, a list of these landmarks can be found on Wikipedia – Historic Civil Engineering Landmarks.

The DC, MD, VA region is rich with examples of outstanding historic civil engineering landmarks, as can be seen in the tabulation at right.

The five National Historic Civil Engineering Landmarks (NHCELS) in the DC region, that our NCS H&H Committee worked on to be so designated, are highlighted in bold.

The H&H Committee plans to get things rolling again for the New Year. We will kick things off with a virtual WebEx meeting to introduce participants to our efforts and discuss H&H topics – interesting websites, book reviews, and other areas of committee member interest. Two efforts currently underway are researching local civil engineering works for ASCE’s Landmark Program, and scanning Section historical documents. **Spring is a great time for site visits so we’d like to know your interests – any particular sites you’ve always wanted to know more about?** Join us in our virtual meetings – enjoyable and educational.

Email your interest to Steve Pennington at steve.pennington@geo-instruments.com, and Bernie Dennis at berniedennisjr@gmail.com, and watch for our WebEx meeting announcement.

Architectural Engineering Institute Capital Area Food Bank Volunteering

On Tuesday, December 7th, AEI DC teamed up with the Structural Engineers Association of Metropolitan Washington’s (SEA-MW) Younger Members Group (YMG) and volunteered at the Capital Area Food Bank. Our teams sorted and prepared boxes full of canned and dry goods for distribution to the community. The Capital Area Food Bank is vital to the supply chain for the procurement and distribution of food in

Landmark	Location	Year Designated
Bollman Truss Bridge	Savage, Maryland	1966
Patowmack Canal & Locks	Great Falls, Virginia	1969
Druid Lake Dam	Baltimore, MD	1971
Cabin John Aqueduct	Cabin John, Maryland	1972
Crozet’s Blue Ridge Tunnel	Waynesboro, VA	1976
Mason-Dixon Line	DE-MD-PA-VA Boundary	1977
Gosport Naval Dry Docks	Norfolk, VA	1977
Fink Deck Truss Bridge	Lynchburg, VA	1979
Washington Monument	Washington, DC	1981
Carrollton Viaduct	Baltimore, MD	1982
US Capitol Dome	Washington, DC	1986
Dismal Swamp Canal	Chesapeake, VA	1987
Blue Ridge Parkway	VA-NC	1999
Old Cape Henry Lighthouse	Virginia Beach, VA	2002
Thomas Viaduct	Elkridge, MD	2010

the Greater Washington Metropolitan area. Each year, the Capital Area Food Bank distributed food for over 45 million meals.



We encourage you to give what you can this season. To learn more about donating to the Capital Area Food Bank and for more volunteer opportunities, please visit their website: <https://www.capitalareafoodbank.org/>

Assessment of Façade Fire Performance and Risk

Join AEI DC and AIA|DC’s Building Enclosure Council on Monday, January 10th, 2022 at Noon for a free virtual lecture with Daniel J. Lemieux, FAIA, NCARB, RIBA, MRICS and Nicholas Ozog, PE of Wiss Janney Elstner Associates (WJE). Lemieux and Ozog will summarize how facade materials and designs have evolved in recent times to incorporate significant amounts of combustible materials, and present a framework to assess the fire performance and hazards posed by such facades. This session will incorporate case studies to illustrate application of the framework with a series of practical examples of real-world construction. One continuing education credit will be provided. [Click here to register!](#)

About the Speakers:

Daniel J. (Dan) Lemieux serves as Principal and a Director for Wiss, Janney, Elstner Associates, Inc. and Wiss, Janney, Elstner Limited, London. Since joining WJE in 1996, Dan has successfully completed hundreds of projects involving building enclosure failure investigation, repair design, and architectural rehabilitation, including projects that have been recognized both locally and nationally for design and restoration excellence. Mr. Lemieux is a registered architect licensed in seven jurisdictions in the U.S. and a licensed architect listed in the United Kingdom; Ontario Province in Canada; and, New South Wales Province in Australia. He is a graduate of the Georgia Institute of Technology (Georgia Tech) in Atlanta, Georgia. Since the tragedy at Grenfell Tower, Dan has authored peer-reviewed articles and technical papers on this topic and was invited to review and evaluate proposed regulatory reforms in the UK in response to this fire. He continues to work closely with WJE’s Fire and Life Safety practice on this topic through project work and as an active committee member of the Society of Fire Protection Engineers (SFPE).

Nicholas Ozog is an Associate Principal within the fire engineering, life safety unit of Wiss, Janney, Elstner Associates, Inc. and joined the firm in 2016. He has a master’s degree in fire protection engineering from the University of Maryland. He began his

continued on page 10

career evaluating existing buildings for life safety items and potential fire hazards along with code consulting. His career has included working as a senior loss control engineer for a specialty high hazard insurance agency. In the last several years he has traveled globally

reviewing existing buildings with potentially combustible facade materials and speaking at many conferences, as he helped to develop a practice in facade fire safety assessment. He recently was appointed to the NFPA's Fire Tests Committee that includes NFPA 285

and SFPE's Assessments of Existing Building Fire Safety Task Group.

Call for Senior Design Mentorship and Guest Lecturers for Catholic University of America

Catholic University of America (CUA) is looking for professionals to mentor four senior design groups beginning January 10, 2022. Mentorship consists of biweekly meetings with the student team to share feedback, guide priorities, and make technical recommendations. Meetings will be half an hour to an hour, and can be virtual or in person at a location of your choosing. CUA is also looking for guest speakers at the senior design lectures speaking on a topic of your choice. If interested in either opportunity, please fill out this [Google Form](#). For further questions, reach out to Christian Parker with AEI (cparker@af-engineers.com) or Jason Davison at CUA (davisonj@cua.edu). ■

AEI + BEC Assessment of Facade Fire Performance and Risk

Free For All Attendees | 1.0 LU HSW Credit | 1.0 PDH Credit

January 10th | 12:00PM - 1:00PM EST

Presenters:
Daniel J. Lemieux (Wiss Janney Elstner Associates, WJE)
And Nicholas Ozog (WJE)

Webinar Presentation

GEOVIRGINIA
2022
CONFERENCE

SAVE THE DATE!

When: April 11 - April 13

Where: Smithfield Event Center
220 N. Church Street, Smithfield, VA 23430

Conference is planned to take place in person but we will continue to monitor pandemic conditions leading up to the event.

For more information, please visit geovirginia.org

ASCE
AMERICAN SOCIETY OF CIVIL ENGINEERS

Employment Clearinghouse

Assistant Professor Position in Structural Engineering, Catholic University of America

The Department of Civil and Environmental Engineering at CUA has a tenure-track position in Structural Engineering starting in August of 2022. The review of applications will start soon and will continue until the position is filled. Please reach out to Jason Davison at davisonj@cua.edu for any questions. [Click here](#) for the full job posting and more information.

The 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](#).