Awards Banquet
April 21, 2016

Civil and Environmental Engineering
Alumni Achievement Awards

presented by the

Faculty of the Via Department
of Civil and Environmental Engineering
The Eighteenth Annual
Via Department of
Civil and Environmental Engineering
Alumni Achievement Awards Banquet
April 21, 2016

Dinner

Welcome and Introductions
Dr. W. Samuel Easterling
Montague-Betts Professor of Structural Steel Design
and Department Head

Presentation of Outstanding Young Alumni Achievement Awards
Mr. Young Ho Chang,
Chair, CEE Alumni Board

Induction of Academy of Distinguished Alumni
Dr. Easterling and Selected Guests

Toast for Alumni Achievement Award Recipients
Ms. Katherine Plasket
Vice-Chair, CEE Alumni Board

Closing Remarks
Dr. Easterling
Preface

Welcome to the 18th Annual Alumni Achievement Awards Banquet hosted by the Via Department of Civil and Environmental Engineering. I am confident this will be a wonderful evening for our honorees and their guests, as well as other members of the Virginia Tech family who are here tonight. This is truly one of the highlights of our year in the Department and one that I take great pride in sharing with you.

We will honor ten alumni tonight, seven of whom will be inducted as members of our Academy of Distinguished Alumni and three of whom will be recognized as Outstanding Young Alumni. Our Academy of Distinguished Alumni was established in 1998 and since that time we have recognized 108 members of our alumni with this distinct honor. As you read a bit about each of the honorees tonight, I am certain you will agree that the accomplishments and contributions made by them are something in which we can all take pride as fellow classmates, friends, faculty, and family.

Please join me in congratulating these outstanding Hokies. Their talent and accomplishments have been and continue to be a wonderful reflection on the Via Department of Civil and Environmental Engineering.

W. Samuel Easterling, Ph.D., P.E., F.SEI, F. ASCE
April 21, 2016
Outstanding Young Alumni Award Recipients
Timothy C. Bayse
2001 B.S. Civil Engineering
2004 M.S. Civil Engineering

Timothy Bayse earned both a B.S. and an M.S. in Civil Engineering from Virginia Tech. In 2009, he began working for Naval Facilities located in Philadelphia, Pennsylvania. Within his first year, he took over the largest project for the northeast United States and acted as a manager for a large project to construct an electric test drive facility in Philadelphia. During that project, he drove the large value engineering proposal, saving $300,000 dollars by changing out the type of filter screens that could be used in a large 72 inch circulation line used for cooling of engines. He also spearheaded the engineering team and acceptables group to provide natural gas compressors to the testing lab. In 2011, he became the lead on a Utility Energy Service Contract that saved Naval Facilities over $2 million at no cost to the government. This was accomplished by replacing the heating systems in all the government buildings at the Philadelphia Navy Yard using energy management services offered by the local utility provider.

In 2014, Mr. Bayse took a Department of Defense (DoD) call for a temporary assignment in Africa. During this time, he was the lead engineer on over $340 million of work that directly impacted the DoD warfighter by providing running water, paved roads, brick and mortar barracks, and airfields. While in Africa, he continued to remotely work on design projects in the United States.

Mr. Bayse has won many awards while working for NAVFAC, including Engineer of the Year for the Midland region of NAVFAC in 2015. In that same year, he also won Engineer of the Year for the entire international organization of NAVFAC, which labeled him as a top 10 for the National Society of Professional Engineers (NSPE) Engineer of the Year. He was awarded the Global War on Terrorism (GWOT) Medal, an award established for military to recognize the accomplishments of the workforce of the DoD in direct support of the armed forces, whose members are engaged in operations to combat terrorism in all forms throughout the world.

He earned his professional engineering license while working abroad in Africa, flying back to the United States to take the exam. While serving in Africa, Tim assisted the state department with English language lessons with local students at elementary and high school levels. He taught math and English, as well as led discussions about politics and global economy.

As a member of the contingency engineer response team (CERT) for the Navy, he assists in planning, designing, constructing and sustaining facilities for the commanders, warfighter and families. The group also reaches out to other nations during times of need, such as in 2010 when the tsunami and hurricane hit Haiti. He volunteered for the damage assessment team that went to help restore wharfs, airfields, and perform building inspections of thousands of buildings to assist the local community.

Mr. Bayse married a fellow Hokie and they currently reside in Pennsylvania, enjoying traveling, archery, motorcycles, and playing guitar.
Doran Bosso

2006 B.S. Civil Engineering
2008 M.S. Civil Engineering

Doran Bosso graduated magna cum laude in 2006 from Virginia Tech with a B.S. in Civil and Environmental Engineering and chose to continue his graduate studies within the Vecellio Construction Engineering and Management Program. Mr. Bosso served as both a research assistant and teaching assistant during his graduate studies and was recognized as a Vecellio Fellow. Following graduation, he accepted a position as a Project Finance Analyst with Skanska Infrastructure Development (SID).

One of his first assignments was acting as the proposal manager for SID’s involvement in VDOT’s Elizabeth River Tunnels (Midtown Tunnel) PPTA project, located in Norfolk, Virginia. When completed in 2016, the new Midtown Tunnel will double the capacity of the existing river crossing at that location and dramatically reduce travel times between Norfolk and Portsmouth. He has remained engaged in this $2.1 billion project as it has progressed from a conceptual proposal towards a comprehensive agreement, serving as Program Manager of the team developing the Project over the course of several years.

He is now a Director of Asset Management with SID and has served a number of diverse roles within the Elizabeth River Crossings project company, including Compliance Officer, Operations and Maintenance Program Manager, and most recently, Tolling Manager. As Compliance Officer, he led the program to ensure the project met its goal of over $308 million in contracts with disadvantaged business enterprises and small, women, and minority owned businesses. The project has graduated 70 individuals through an On-The-Job Trainee program, providing valuable employment skills to members of the community.

In his current role, Mr. Bosso oversees the customer service center, staffed by approximately 100 local workers responsible for direct interaction with the customers who use this much needed infrastructure project. He is also responsible for ensuring a team of nearly 80 software programmers develop and implement the software and systems necessary for the complex all-electronic toll systems utilized on the facility.

While keeping busy on the project, he has also been recognized as a leader within Skanska. He was one of 35 individuals selected in 2011 for Skanska’s Executive to Leader Leadership Program from over 55,000 Skanska employees. Last year, he won a prestigious Silver Rock Award within SID for his leadership in safety. More recently, he was one of 40 selected for Skanska’s most senior management training, Skanska Top Executive Program, held in cooperation with the world-renowned business school of IMD in Switzerland.

Mr. Bosso is truly a Hokie for life. In 2011, he was recognized as a Distinguished Young Alumni of the Vecellio Construction Engineering Management Program. He has also served as a panelist at the Virginia Young Professional Summit and has returned to campus regularly as a guest lecturer for civil engineering graduate courses. Outside of work, he enjoys spending time with his wife, CJ, daughter Hudson, and dog Bear. He has completed two Ironman triathlons, but more recently prefers a 5k with the jogging stroller or bike ride with Hudson in tow.
Ying Xu
2009 Ph.D. Civil Engineering

Ying Xu is an Assistant Professor in the Department of Civil, Architectural and Environmental Engineering at the University of Texas at Austin. Prior to earning her Ph.D. from Virginia Tech in 2009, she earned her B.S. and M.S. degrees in civil engineering from Tsinghua University in China. While at Virginia Tech, she received College of Engineering Dean’s Fellowship, Teaching Fellowship, and scholarships from the Air and Waste Management Association, Greenguard Environmental Institute, and Institute for Airflow Diagnostic Education Foundation.

Dr. Xu’s research is focused on understanding the relationships among sources, indoor environments, and human health for semi-volatile endocrine disrupting compounds (EDC’s). She has served as principal investigator and co-principal investigator on approximately $1.4 million funded research projects, ranging from emissions of EDC’s from building materials and consumer products, interactions of EDCs with indoor aerosols, and the transport and human exposures associated with emerging contaminants in indoor environments. Dr. Xu and her research team have published over 60 papers in top journals of environmental engineering and in conference proceedings. Her pioneering research has been cited over 500 times by other researchers since 2009 with several publications cited over 50 times each on the Web of Science. Recently, two of her journal publications were selected for special honors, one as the Editors’ Choice Article by the American Chemical Society (ACS) and the other in “Science Selections” by the journal Environmental Health Perspectives. She is the recipient of numerous awards and honors including the Yaglou Award (2011) from the International Society of Indoor Air Quality and Climate (ISIAQ) for being the most promising young researcher in the field of indoor air sciences. She has also been awarded the National Science Foundation’s CAREER Award (2012), New Investigator Award from the American Society of Heating, Refrigerating and Air Conditioning Engineers (2014), the Outstanding Doctoral Dissertation Award from the Air and Waste Management Association (2015).

At the University of Texas at Austin, Dr. Xu teaches Building Environmental Systems, as well as graduate-level courses on Sources and Indoor Air Pollution, and Renewable Energy and Environmental Sustainability.

She serves as the chair of ISIAQ’s Scientific and Technical Committee 11: Sources, Monitoring, and Evaluation: Chemical Pollutants. She is also a member of ASHRAEW technical committees and a co-organizer of research workshops and conferences. She has volunteered much of her time participating in proposal review panels for NSF CBET Environmental Engineering Program, Environmental Protection Agency, and the Environmental and Healthy Fund in Israel.
Academy of Distinguished Alumni Honorees
Robin E. Bain

1980 B.S. Civil Engineering
1987 M.S. Environmental Engineering

Ms. Robin E. Bain is the Environmental Resources Manager for the City of Peoria, Arizona. She serves as the technical expert and advisor to the city’s executive management on drinking water, wastewater, pretreatment, stormwater and air quality compliance, water resource management, water rates, and regional water-related programs. She also manages the city’s water portfolio and has been responsible for receiving and managing $2.2 million in grants from the Bureau of Reclamation for beneficial reuse of reclaimed water. Ms. Bain oversees USEPA, state and local permitting, and day-to-day compliance activities for water, wastewater, air, stormwater, biosolids, pretreatment, and solid waste recycling, including state-certified laboratory.

Ms. Bain holds a B.S. in Civil Engineering and an M.S. in Environmental Engineering, both from Virginia Tech. Following graduation, she worked for Fairfax County Department of Public Works for ten years. As the Deputy Public Works Director and Wastewater Treatment Division Director for the city of Springfield, Massachusetts, she innovated, planned, directed, and managed a non-traditional approach to meeting the then-new dechlorination requirements by using sodium hypochlorite and sodium bisulfite, versus gaseous chlorine and sulfur dioxide, reducing capital costs by almost $4 million, substantially reducing operations and management costs, and significantly reducing the safety risks to the plant staff and the surrounding neighborhood.

As the Director of the Wastewater Treatment Division for the Clark County Water Reclamation District in Las Vegas, Nevada, she directed and managed two major process optimizations, replacing lime for phosphorus removal with ferric chloride. She also created biological phosphorus removal with virtually no capital expenditures, which saved the district $3 million annually. These projects were recognized by the district’s board due to the coordination required among operations and technical services staff, and to the enormous cost savings which represented a 20% reduction in operations and management costs.

Prior to her current position, she was the Office Manager at Michael Baker, Jr. Corporation in Phoenix, where she oversaw an 80 person multi-disciplinary engineering consulting office including civil, environmental, water resources, traffic, transportation, architecture, GIS, human resources, administration, and marketing.

She is an active member of the American Academy of Environmental Engineers, American Society of Civil Engineers, American Water Works Association, among other local and state water and public works organizations. She was awarded Person of the Year by the WateReuse Association in 2012 and the Environmental Stewardship Award by the AzWater Association in 2014.

Ms. Bain and her husband, Doug, have resided in Phoenix, Arizona for 15 years. They have two children, Arron and Niko, as well as two grandchildren, Natalia and Austyn. She enjoys watching Hokie football, playing golf, and hiking.
Bruce R. Bates
1979 B.S. Civil Engineering
1981 M.S. Civil Engineering

Bruce R. Bates received both his B.S. and M.S. from the Charles E. Via, Jr. Department of Civil and Environmental Engineering. He began his career in 1981 as a structural engineer at Fluor Corporation in Irvine, California. After a year he pursued an opportunity to move into the computer systems department at Fluor, joining a group that developed and supported Fluor’s SAP-IV mainframe structural analysis software.

Around that time a revolution called the IBM-PC was happening in computer technology. Fluor acquired a supply of Personal Computers and Mr. Bates was assigned the task of figuring out what, if anything, these new contraptions could do for the structural engineering department. In collaboration with the structural engineering group he developed a program called PC-Frame, the first computer program of its kind that combined an interactive spreadsheet interface with a matrix based frame solver. This was quite revolutionary at the time and PC-Frame was very popular with the structural engineers at Fluor. Based on that popularity Mr. Bates approached his managers with the idea that PC-Frame should be sold by Fluor as a commercial application. After being rebuffed, he left Fluor and started developing structural analysis software independently. In 1987 he founded RISA Technologies and subsequently released RISA-2D, a DOS based two dimensional analysis and design program.

For purposes of marketing RISA-2D Mr. Bates went door to door among structural design firms all over southern California. He personally visited well over 100 firms in Los Angeles, Orange County, and San Diego, demonstrating RISA-2D at each office and hopefully closing a sale. The software proved to be a success.

Almost immediately RISA-2D clients began suggesting that Mr. Bates should develop a three-dimensional program that matched the intuitiveness of RISA-2D. In 1990 he began development of RISA-3D, a more sophisticated three dimensional program. RISA-3D was released in 1993 and RISA Technologies began to grow more quickly. This enabled him to begin hiring other engineers and start adding additional products such as RISAFloor, RISAFoundation and RISAConnection while continuing to expand and improve RISA-3D.

Today RISA-3D is the most widely used structural analysis and design software in the United States and it has been for more than ten years. RISA products are used by thousands of firms in the US and abroad to design buildings, tunnels, roller coasters, petrochemical facilities, soccer stadiums, airports, and everything in between.

Besides developing structural software, Mr. Bates is on the board of directors for eLend Solutions, Inc. in Mission Viejo, CA, BQES, Inc. in Torrance, CA, and Tell The Boss, Inc., in San Clemente, CA. He completed two terms of service on the Civil and Environmental Engineering Alumni Board and he is currently serving on the College of Engineering’s Committee of 100. He has been actively involved in leadership positions with the YMCA Adventure Princess program and spent a few years coaching girl’s youth soccer, a sport he knows practically nothing about.

Mr. Bates will be celebrating his 25th wedding anniversary this year with his wife Lisa, a graduate of the University of California at Irvine. They have three daughters; Carly, a 2015 graduate of the University of California at Santa Barbara, Makensie, a third year student at the University of California at San Diego, and Sierra, a first year student at Point Loma Nazarene University. Bruce and Lisa recently relocated to Laguna Beach, California.
William Caruthers
1964 B.S. Civil Engineering

William Caruthers graduated from Virginia Tech with a B.S. in Civil Engineering in 1964. Upon graduation, he joined the military and served in the U.S. Army as captain in the Corps of Engineers.

He has more than 50 years of engineering and management experience with both the public and private sector, involving numerous federal, state, and local agencies throughout the United States. He has extensive knowledge of transportation design and planning, water resources, construction management and inspection services, and program management for public and private facilities.

He is a Professional Engineer in nineteen states, as well as an active member of the American Society of Civil Engineers (ASCE) and the National Society of Professional Engineers (NSPE). He is a Fellow in ASCE and served as Chairman of the Water Resources Management Committee of ASCE, District of Columbia Chapter. During his time as chairman, he published the interim storm management report for the Washington, DC metro area.

Until his retirement in June 2015, Mr. Caruthers was the founder and President of ATCS, PLC. He established ATCS in 1994 with six employees focused on Land Development projects. He rapidly grew the firm by adding Emergency Management/Disaster Services for FEMA on a national basis in multiple program areas and a full service transportation department. Now, ATCS has almost 200 employees in seven offices and is consistently ranked in the top 10 engineering firms based on billing in the Washington Metropolitan area. In 2008, the Virginia Department of Transportation awarded ATCS a contract to manage over $5 billion of multiple megaprojects including I-495 HOT lanes, I-95 HOT lanes and the Dulles Rail projects. The contract is believed to be the largest professional services contract awarded in Virginia.

Before ATCS, Mr. Caruthers was employed by Greenhorne and O’Mara (G&O) for 24 years. He held a number of senior level positions before ultimately becoming President. Under his leadership, G&O grew from 115 employees to over 1500, with over 19 offices throughout the United States. During his tenure, he served as Project Director for FEMA’s Flood Hazard Mitigation and Disaster Response Program, performing over 250 floodplain studies and modeling projects. From 1987 to 1993, he served as Project Manager and then as Project Director for the Engineering Review and Cartographic Production for FEMA’s National Flood Insurance Program for multiple FEMA regions. He was the leader of engineering and mapping innovation, mentoring many of the current FEMA contract managers. His staff routinely performed FIS LOMR appeals, revisions, coastal file/data management and H&H studies, completing over 5,000 deliverables.

Mr. Caruthers has been a consistent participant and supporter of Virginia Tech Engineering and the Civil and Environmental Engineering department. He served on the College of Engineering Advisory Board from 1994 to 2000 and the Deans Committee of 100. He was also a member of the Ut Prosim Society and has endowed civil engineering scholarships, striving to give students opportunities to build a career and help others along their path. He is also a founding member of the Virginia Road and Transportation Builders Association, now known as the Virginia Transportation Construction Alliance.

Mr. Caruthers is married and has two daughters and a son. He comes from a family of Hokies, with one granddaughter currently at Virginia Tech, along with several other family members who are alumni of the university.
Richard M. DiSalvo, Jr.

1977 B.S. Civil Engineering
1979 M.S. Civil Engineering

Rick DiSalvo earned a B.S. from Virginia Tech in 1977 and an M.S. from Virginia Tech in 1979. He has more than 35 years of engineering experience in water and wastewater treatment facility upgrades, utility and drainage improvements, potable water rate studies, environmental site assessments, site characterization and correction action planning and design. A significant portion of his career involved land development, including many athletic projects located on the Virginia Tech campus.

He began his career in 1977 working for the Virginia Department of Health (VDH), Division of Water Programs in Richmond, Va. Before leaving State employment, he was appointed as the Training and Certification Chief, responsible for training and certification of waterworks operators. In the mid-1980s, he helped to establish a newly opened Richmond branch of Dewberry and Davis, where he worked until taking the Blacksburg Office Manager position with Draper Aden Associates in 1991. He was the Chief Operating Officer for the firm until his retirement in 2014. During his tenure, Mr. DiSalvo served as the Managing Principal on many of the firm’s water and wastewater projects. A notable local project, the NRV Regional Water Authority Joinder, where Montgomery County requested membership into the local water supply formerly known as the Blacksburg, Christiansburg VPI Water Authority. Virginia Tech’s Board of Visitors and the localities voted in favor of the Joinder, allowing county residents a future with access to safe and reliable potable water. Lastly, Mr. DiSalvo managed a project that resulted in a regional solution where Pulaski County required additional potable water and the City of Radford had excess capacity. The solution required constructing a pump station at the Radford Water Treatment Plant and pumping excess water through a 24” waterline under the New River into eastern Pulaski, thus eliminating a $14 million plant expansion in Pulaski.

Mr. DiSalvo is a Professional Engineer and is an active member in the Virginia Section of the American Water Works Association (VAAWWA). In 2009, he was elected Chairman of the 1700 member VAAWWA. In 2013, he was awarded the prestigious George Warren Fuller Award, given to select members for their distinguished service to the water supply field in commemoration of sound engineering skill, brilliant diplomatic talent, and constructive leadership. He has been a member since 1978 and continues to hold leadership roles.

Mr. DiSalvo is the current Chair of the Montgomery County, VA Board of Zoning Appeals where he has served since 2005. He is a former Chairman of the Charles E. Via, Jr. Department of Civil and Environmental Engineering alumni board and was part of the group that developed the current alumni board mentoring program, which includes student networking events each semester. In 2015, he traveled to Guatemala with Engineers without Borders as a mentor to Virginia Tech students. The group has begun to construct a septic system for a Mayan school in the community of Xix, Guatemala. Another trip is anticipated in 2016.

Mr. DiSalvo resides in Blacksburg with his wife, Susan, who also graduated from Virginia Tech in 1977. He has three grown children, Michael, Betsy and Peter, and one grandson, Charlie. Since retiring, he has become a certified scuba diver and is restoring a 1953 Plymouth Cambridge, which he’s contemplating repainting a flashy maroon and orange. Most importantly, he started a church ministry called His Hands. The ministry is dedicated to assisting elderly and disabled with home repairs. He leads a team in excess of 30 volunteers addressing these needs within the church community.
Robert C. Hubbell
1981 B.S. Civil Engineering

Bob Hubbell earned his B.S. from Virginia Tech in 1981. He then worked with two consulting civil engineering companies. He worked for Ben Dyer and Associates in Landover, Maryland before becoming a design engineer for Johnson, Mirmiran and Thompson, which is now known as CPJ & Associates. Starting as a design engineer specializing in land development, he worked his way up to Department Head of planning and engineering, then to Senior Vice President and Partner.

In 1987, Mr. Hubbell left consulting to become the Vice President of Land Development for Coscan Washington, a leading land developer and homebuilder in the Washington, DC area. While in this role, he was responsible for entitling and developing all of the land for both commercial and residential homebuilding activities and selling finished lots to public homebuilders. He was responsible for the development of some of the largest Planned Urban Developments (PUDs) in the area including Braemar, Hampton Chase, Greentrails, Morris Farms, Snowden Bridge, and the villages of Marlboro and Fox Run in Maryland.

With the residential homebuilding recession in 1990, Mr. Hubbell took a new direction with his career, serving as Vice President of Sales and Marketing for Coscan Brookfield Homes, responsible for repositioning all homebuilding activities to address the market conditions and including new product and land planning. During this time, Coscan Brookfield Homes averaged over 500 new homes a year and was among the top 10 builders in the Washington metro area.

He currently serves as Principal and President for the firm, now known as Brookfield Residential. Since Mr. Hubbell became President in 1997, the firm has developed over 11,500 residential building lots and over 7,500 homes. While serving as President, he has overseen the development of over 11,500 lots and 800 homes. Brookfield has been recognized as a leader in the market both in volume and in awards, winning over 30 Great American Living Awards (GALA) since 2008. In 2012, Mr. Hubbell received the GALA Lifetime Achievement Award from the Washington Homebuilding Industry.

In addition to his position at Brookfield, Mr. Hubbell is also an owner and investor in a mortgage company, apartments, and three golf clubs in the northern Virginia area. He is a member of the Northern Virginia Building Industry Association (NVBIA) and the leader of the Building Leaders Group made up of the executives of the top 20 Public and Private Buildings in the Washington metropolitan area.

He sits on the Board of the Lisa Sechrist Memorial Foundation that provides scholarship funds for women in higher education. He also currently serves on the Advisory Board of the Land Development Design Initiative (LDDI), frequently volunteering as a guest lecturer in land development courses.

Mr. Hubbell has been married for 30 years to his wife, and fellow Hokie, Betsy. They reside in northern Virginia and have three daughters, Katie, Kelly and Megan. Katie is a Fairfax County teacher, Kelly is an actress in New York City and Megan is an undergraduate student at Bowling Green State University.
James K. Lowe  
1978 B.S. Civil Engineering

James K. Lowe received his B.S. in civil engineering from Virginia Tech in 1978. He then continued his education, earning his Master’s of Engineering Administration in 1983 from The George Washington University and a Juris Doctor in 1988 from George Mason University School of Law. Following graduation, he worked for Wiley & Wilson as a Structural Engineer and Marketing Coordinator. He also worked for National Park Service, ChesDiv, Naval Facilities Engineering Command, Hayes, Seay, Matter & Mattern, Inc., and AECOM Technical Services.

As an in-house counsel with AECOM, Mr. Lowe provided a variety of legal services to operating companies of AECOM, including providing advice regarding professional licensing and regulation, professional ethics, compliance with laws and regulations, professional liability, and commercial transactions.

In the area of design-phase services, he has performed engineering calculations for the design or analysis of reinforced concrete and structural steel structures, prepared engineering specifications and cost estimates for new and rehabilitation construction, and directed and supervised the preparation of engineering drawings, specifications and cost estimates. He also has a wealth of experience in design-phase services, bid-phase services, and construction-phase services.

For over 10 years, Mr. Lowe served as an Adjunct Professor for the Charles E. Via, Jr. Department of Civil and Environmental Engineering for courses on professional and legal issues in engineering, as well as contract administration and claims resolution. While employed with the Navy Special Programs Office, Mr. Lowe planned, developed, and established contractual strategies for the procurement of architectural and engineering construction services for various Department of Defense facilities supporting the president in his role as Commander-in-Chief of U.S. armed forces, including those at The White House, Camp David, and the president’s alternate residence. While employed with the National Park Services, Office of Design Services, he served as the structural engineer-of-record for the design of an extension to the West Wind of the White House, for the development of East Executive Avenue Pedestrian Way, and security improvements along Seventeenth Street.

He is registered as both a Professional Engineer and an Attorney-at-Law in Virginia. He also has two publications and has given over a dozen presentations to American Society of Civil Engineer chapters, Virginia Department of Education, American counsel of Engineering Companies, and many others. Mr. Lowe is a member of the National Society of Professional Engineers, the Virginia Society of Professional Engineers, the American Bar Association, and the Virginia State Bar.
Kord J. Wissmann
1987 B.S. Civil Engineering
1995 Ph.D. Civil Engineering

Dr. Kord J. Wissmann has a range of experience in company leadership, research and development, geotechnical engineering, and business development activities. He currently serves as President and Chief Engineer of Geopier Foundation Company, where he directs commercial activities, leads research into new ground improvement developments, and supervises the technical activities of Geopier’s worldwide network of geotechnical engineers.

In addition to his work at Geopier, he serves as president of the ASCE Geo-Institute. He is the recipient of 15 U.S. patents, six of which are used on an everyday basis within North America’s ground improvement industry. He is the co-inventor and developer of Geopier’s Densipact system, which efficiently provides lateral confinement during compaction of loose, sandy soil. Dr. Wissmann’s leadership has been instrumental in geopier’s global growth with local construction partners in more than 20 countries throughout North America, Latin America, Europe, and Asia.

Prior to joining Geopier Foundation Company, Dr. Wissmann was Project and Principal Engineer for Shannon and Wilson in St. Louis, Missouri, where he specialized in the analysis, design, and construction of marine structures on the Mississippi, Missouri, and Ohio rivers. Dr. Wissmann’s work included the analysis, design, and construction observation of single line and cellular cofferdams, levees and earthen dams, dewatering systems for temporary construction and flood events, and liquefaction hazard assessments for critical structures such as additions to nuclear power plants. While in St. Louis, Dr. Wissmann also served as an adjunct professor at Southern Illinois University in Edwardsville, Illinois where he taught foundation engineering in 1997, 1998, and 1999.

Earlier, Dr. Wissmann was Associate Design Engineer at Fluor Daniel, Inc. in Irvine, California, where he worked on the geotechnical engineering and design of very large industrial projects in the United States and Asia. He has worked on a large number of projects in building foundation, liquefaction abatement, industrial facilities, and transportation and infrastructure. Included in these projects were housing and parking structures, sporting venues, and Virginia Tech campus buildings. His experience focuses on geotechnical analysis and design for foundation systems, soil improvements, seismic and liquefaction susceptibility assessments and geotechnical instrumentation.

Dr. Wissmann was inducted as an Academy of Geo Professionals Diplomate in 2010 and has published more than 37 technical papers and articles. In addition, he has been a guest lecturer for more than 100 short courses and workshops, including the 10th annual Schnabel Engineering Lecture in November 2015 at Virginia Tech. Previously, he won the Outstanding Young Alumni Award from the Charles E. Via, Jr. Department of Civil and Environmental Engineering.
Academy of Distinguished Alumni

1998 Inductees
Mr. William E. Betts, Jr.
B.S. 1932, M.S. 1933
Mr. W. Gregory Cridlin, Jr.
B.S. 1969
Mr. Thomas S. Maddock
B.S. 1950
Dr. Charles W. Pryor, Jr.
B.S. 1966, M.S. 1968, Ph.D. 1970
Mr. W. Thomas Rice
B.S. 1934
Dr. Linvil G. Rich
B.S. 1947, M.S. 1948, Ph.D. 1951
Mr. L. Preston Wade
B.S. 1955

1999 Inductees
Mr. S. Kendall Anderson
B.S. 1962, M.S. 1970
Mr. Lawrence F. Ayers
B.S. 1954
Mr. Thomas J. Blair
B.S. 1955, M.S. 1957
Mr. Stanley Cohen
B.S. 1949, M.S. 1951
Dr. Ray E. Martin
B.S. 1964, M.S. 1968
Ms. Beth Turner
M.S. 1973
Mr. Leo A. Vecellio, Sr.
(posthumous)
B.S. 1938

2000 Inductees
Mr. Kelso S. Baker
B.S. 1951
Mr. Fred D. Durham
(posthumous)
B.S. 1922
Mr. Claude D. Garver, Jr.
B.S. 1963
Mr. Jack M. Hill
B.S. 1949
Mr. Albert L. Nichols, Jr.
B.S. 1963
Mr. Howell B. Simmons
M.S. 1961, M.S. 1963
Dr. Samuel C. Tignor
B.S. 1958

2001 Inductees
Mr. Raymond A. Booth
B.S. 1970
Mr. Jerry D. Brammer
B.S. 1968, M.S. 1971
Mr. John T. DeBell
B.S. 1968
Mr. W. Curtis English
(posthumous)
B.S. 1932
Mr. Allen R. Hammer
B.S. 1969, M.S. 1973
Mr. Thomas D. Rust
B.S. 1965

2002 Inductees
Mr. William H. Gordon
B.S. 1967
Mr. Samuel H. McGhee, III
B.S. 1963
Mr. A. Ross Myers
B.S. 1972
Mr. James B. Richards, Jr.
B.S. 1969, M.S. 1973
Mr. Randolph P. Rivinus
B.S. 1968
Mr. C.M. Robinson, Jr.
B.S. 1968, M.S. 1977
Mr. Max R. Sproles
B.S. 1958

2003 Inductees
Mr. Leslie C. Gates
B.S. 1940
Dr. Thomas J. Grizzard, Jr.
B.S. 1968, M.S. 1972, Ph.D. 1977
Mr. Charles S. Hughes
B.S. 1958
Mr. Millard H. Robbins, Jr.
B.S. 1956, M.S. 1965
Mr. Stuart Shumate
B.S. 1936

2004 Inductees
Mr. Glynn Barranger
B.S. 1943
Dr. Fred Beaufait
Ph.D. 1965
Dr. Larry Benefield
Ph.D. 1975
Ms. Paige Beville
B.S. 1974, M.S. 1975
Mr. Walter Duncan
B.S. 1951
Dr. Daniel Frederick
B.S. 1944, M.S. 1948
Dr. James Schaub
B.S. 1948

2006 Inductees
Mr. Gunter F. Craun
B.S. 1965, M.S. 1971
Mr. James Echols
B.S. 1958
Mr. Douglas R. Fahl
B.S. 1967
Mr. Dennis Kamber
B.S. 1964
Dr. F. Michael Saunders
B.S. 1967, M.S. 1969
Mr. Donald C. Vaughn
B.S. 1958
Mr. Leo A. Vecellio, Jr.
B.S. 1968

2007 Inductees
Mr. J.W. (Jack) Bonnville
B.S. 1958
Mr. R. Daniel Carson, Jr.
B.S. 1970
Mr. Raymond G. Curry, Jr.
B.S. 1954
Ms. Anne M. Ellis
B.S. 1980
Mr. Don A. Garst
B.S. 1956, M.S. 1959
Mr. Louis L. Guy, Jr.
B.S. 1959
Mr. Patrick N. Shaffner
B.S. 1961
2008 Inductees
Mr. Roger L. Brockenbrough
B.S. 1954, M.S. 1956
Ms. Betsy E. Dulin
B.S. 1986
Mr. E. Franklin (Frank) Hart
B.S. 1967, M.S. 1968
Mr. John R. Hildebrand
B.S. 1950
Dr. Emir Jose Macari
B.S. 1979
Mr. Arthur (Art) W. McKinney
B.S. 1965
Mr. Michael J. Quillen
B.S. 1970, M.S. 1971

2009 Inductees
Mr. William A. Aden
B.S. 1967, M.S. 1972
Mr. William F. Brittle, Jr.
B.S. 1969
Mr. Robert S. Miller, III
B.S. 1967
Mr. Herbert W. Morgan
B.S. 1974
Dr. Kenneth H. Murray
B.S. 1965, M.S. 1967, Ph.D. 1969
Mr. Joseph H. Rogers
B.S. 1965, M.S. 1966
Mr. C. William Smith
B.S. 1947

2010 Inductees
Dr. William E. Cox
B.S. 1966, M.S. 1968, Ph.D. 1976
Mr. John R. Crigler
B.S. 1979
Mr. Alan T. Lingerfelt
B.S. 1976
Mr. Robert L. Mills, III
B.S. 1968
Mr. Frank R. Palmer, IV
B.S. 1979
Mr. Glenn W. Rehberger
B.S. 1969, M.S. 1973

2011 Inductees
Mr. Julian B. Bell, Jr.
B.S. 1962
Mr. H.D. Campbell, Jr.
B.S. 1969
Dr. Julio F. Davalos
B.S. 1985, M.S. 1987, Ph.D. 1989
Mr. Jack E. Rinker
B.S. 1960

2012 Inductees
Mr. Douglas W. Burks
B.S. 1979
Mr. Allen W. Cadden
B.S. 1986, M.Eng. 1988
Dr. H. Randall Edwards
B.S. 1964, M.S. 1965, Ph.D. 1970
Dr. George M. Filz
Ph.D. 1992
Mr. John G. Rocovich, Jr.
(Honorary Member)
B.S. 1966, Business

2013 Inductees
Mr. Michael N. Biscotte
Mr. Gary P. Bowman
B.S. 1980
Mr. James G. Davis
B.S. 1980
Dr. Billy L. Edge
B.S. 1964, M.S. 1966, Ph.D. 1968
Mr. Timrod A. Groover
B.S. 1979, M.S. 1980
Mr. Kenton Meland
B.S. 1982, M.S. Systems Eng. 1987,
M.S. Mech. Eng. 1993
Dr. Elizabeth Southerland
B.S. Biology 1971, M.S. Enir.
Sciences & Eng. 1966, Ph.D. Envir.
Sciences & Eng. 1968

2014 Inductees
Mr. Walter F. Bailey
B.S. 1972
Mr. Robert F. Jansen
B.S. 1980
Mr. Jimmie Jenkins
B.S. 1970, M.S. 1974
Mr. Anthony J. Moraco
B.S. 1982, M.S. 1984
Dr. Lindell E. Ormsbee
B.S. 1979
Dr. Charles Steger

2015 Inductees
Mr. William L. Coulbourne
B.S. 1969
Mr. William H. Edwards
B.S. 1967, M.S. 1968
Dr. James R. Martin
M.S. 1987, Ph.D. 1990
Dr. Sudhir N. Murthy
M.S. 1992, Ph.D. 1998
Mr. George T. Paris
B.S. 1975, M.S. 1977
Ms. Elizabeth M. Smith
B.S. 1986, M.S. 1988

2016 Inductees
Ms. Robin E. Bain
B.S. 1980, M.S. 1987
Mr. Bruce R. Bates
B.S. 1979, M.S. 1981
Mr. William Caruthers
B.S. 1964
Mr. Richard M. DiSalvo
B.S. 1977, M.S. 1979
Mr. Robert C. Hubbell
B.S. 1981
Ms. James K. Lowe
B.S. 1978
Dr. Kord J. Wissmann
B.S. 1987, Ph.D. 1995
# Outstanding Young Alumni Award Recipients

<table>
<thead>
<tr>
<th>Year</th>
<th>Award Year</th>
<th>Award Recipient</th>
<th>Degree(s)</th>
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<tr>
<td></td>
<td></td>
<td>Ms. Pamela P. Kenel</td>
<td>B.S. 1985</td>
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<td></td>
<td>Ms. Margaret P. Orr</td>
<td>B.S. 1985, M.S. 1990</td>
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<td></td>
<td></td>
<td>Mr. Archie D. Pugh</td>
<td>B.S. 1985, Ph.D. 1991</td>
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<td></td>
<td></td>
<td>Dr. Linda M. Hanagan</td>
<td>Ph.D. 1994</td>
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<td>Dr. Kord J. Wissmann</td>
<td>B.S. 1987, Ph.D. 1995</td>
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<td></td>
<td></td>
<td>Dr. Clinton O. Rex</td>
<td>M.S. 1994, Ph.D. 1996</td>
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<td></td>
<td></td>
<td>Dr. Holly L. Shorney</td>
<td>M.S. 1992</td>
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<td>Mr. Fernando J. Bolinaga</td>
<td>M.S. 1990</td>
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<td>Dr. Andrew A. Randall</td>
<td>B.S. 1984, M.S. 1987</td>
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<td>2003</td>
<td>2003</td>
<td>Dr. Alok Bhandari</td>
<td>M.S. 1992, Ph.D. 1995</td>
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<td>Mr. Bernard J. Deneke</td>
<td>M.S. 1986</td>
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<td>Dr. Laurie S. McNeill</td>
<td>Ph.D. 2000</td>
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<td>2004</td>
<td>2004</td>
<td>Dr. Christopher Earls</td>
<td>B.S. 1990, M.S. 1992</td>
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<td></td>
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<td>Ms. Ellen Hall</td>
<td>B.S. 1994, M.S. 1996</td>
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<td></td>
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<td>Ms. Michelle Motchos</td>
<td>B.S. 1996, M.S. 1997</td>
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<td>2006</td>
<td>2006</td>
<td>Ms. Amy Kohls Buehler</td>
<td>M.S. 1994</td>
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<td></td>
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<td>Dr. Matthew J. Higgins</td>
<td>Ph.D. 1995</td>
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<td>Mr. Brian D. Prowell</td>
<td>M.S. 1992</td>
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<td>Dr. Vineet R. Kamat</td>
<td>M.S. 2000, Ph.D. 2003</td>
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<td>Mr. Steve Meininger</td>
<td>B.S. 1991</td>
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<td>Dr. Charles B. Bott</td>
<td>Ph.D. 2001</td>
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<td>Dr. Timothy W. Mays</td>
<td>M.S. 1997, Ph.D. 2000</td>
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<td>2009</td>
<td>2009</td>
<td>Mr. William Scott Dewhirst, II</td>
<td>B.S. 1993, M.S. 1997</td>
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<td>Ms. Sarah C. Glenn</td>
<td>B.S. 1998</td>
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<td>2010</td>
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<td>Ms. Gretchen Blair Clark</td>
<td>B.S. 1997</td>
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<td>Dr. Brad Davis</td>
<td>B.S. 1994, M.S. 1996, Ph.D. 2008</td>
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<td>Mr. William P. Jacobs, V</td>
<td>M.S. 2003</td>
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<td>2011</td>
<td>2011</td>
<td>Mr. F. Cameron Palmore</td>
<td>B.S. 1995</td>
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<td></td>
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<td>Ms. Melinda B. Peters</td>
<td>B.S. 1995</td>
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<td>Mr. Derrick A. Shelton</td>
<td>B.S. 1996, M.S. 1997</td>
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<td>2012</td>
<td>2012</td>
<td>Dr. James W. Bryant, Jr.</td>
<td>M.S. 1999, Ph.D. 2001</td>
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<td></td>
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<td>Mr. Robert D. Moser, Jr.</td>
<td>B.S. 1997</td>
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<td>2013</td>
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<td>Dr. Stacey D. Diefenderfer</td>
<td>B.S. 1997, M.S. 1999, Ph.D. 2009</td>
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<td>Dr. Gunnar Lucko</td>
<td>M.S. 1999, Ph.D. 2003</td>
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<td>Dr. Simoni Triantafullidou</td>
<td>M.S. 2006, Ph.D. 2011</td>
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<td>2015</td>
<td>2015</td>
<td>Mr. Frank Homer</td>
<td>M.S. 2006</td>
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<td>Mr. William E. Junda</td>
<td>B.S. 2000</td>
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<td>Dr. Krista Rule Wigginton</td>
<td>M.S. 2004, Ph.D. 2008</td>
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<td>2016</td>
<td>2016</td>
<td>Mr. Timothy Bayse</td>
<td>B.S. 2001, M.S. 2004</td>
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<td>Mr. Doran Bosso</td>
<td>B.S. 2006, M.S. 2008</td>
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<td></td>
<td></td>
<td>Dr. Ying Xu</td>
<td>Ph.D. 2009</td>
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</tbody>
</table>
Via Department Faculty

Montasir M. Abbas  Daniel L. Gallagher  Ioannis Koutromanos  R. Paolo Scardina
Gregory D. Boardman  Michael J. Garvin  Kara Lattimer  Tripp Shealy
Thomas L. Brandon  Adil Godrej  Roberto T. Leon  Denise Simmons
Finley A. Charney  Russell A. Green  John C. Little  Sunil K. Sinha
Jesus M. De La Garza  Kathleen Hancock  Linsey C. Marr  Nina Stark
Deborah Dickerson  Jason He  Matthew Mauldon  Kyle B. Strom
Andrea M. Dietrich  Kevin P. Heaslip  Cristopher D. Moen  John E. Taylor
Joseph A. Dove  Matthew H. Hebdon  Glenn E. Moglen  Antonio Trani
Randel L. Dymond  Erich T. Hester  Victoria A. Mourg  Peter Vikesland
W. Samuel Easterling  Antoine G. Hobeika  Pamela M. Murray-Tuite  Linbing Wang
Matthew R. Eatherton  Jennifer L. Irish  C. Guney Olgun  Zhiwu Wang
Marc E. Edwards  Farrokh Jazizadeh Karimi  Amy J. Pruden  Mark A. Widdowson
George M. Filz  Bryan Katz  Hesham A. Rakha  Kevin Young
Madeleine M. Flint  William R. Knocke  Carin L. Roberts-Wollmann  Katerina Ziotopoulou
Gerardo W. Flintsch
Emeritus Faculty

Thomas E. Cousins  J. Martin Hughes  Raymond H. Plaut
William E. Cox    David F. Kibler    Clifford W. Randall
Donald R. Drew    T. Kuppusamy      Kamal B. Rojiani
J. Michael Duncan James K. Mitchell Dusan Teodorovic
Thomas J. Grizzard Thomas M. Murray Michael C. Vorster
Robert C. Hoehn    John T. Novak     Richard E. Weyers
Siegfried M. Holzer