

**The Schar School of Policy and Government, its
Center for Regional Analysis,
and
The College of Education and Human Development
at George Mason University
present**

**Symposium on Strengthening the Pipeline
from School to Work:
Highlighting Best Practices in
Private Sector and School Partnerships**

#School2Work

**March 8, 2018
9:00 a.m. – 2:30 p.m.
Founders Hall Auditorium**

Arlington, Virginia



Message from the Symposium Chair

Welcome to today's symposium. Our most effective school and business leaders in Virginia and across the nation are focused on how we can best prepare students for success in life beyond school. Key to that is teaching them critical skills necessary for success in their future careers – skills commonly identified as the 5 C's of creative thinking, critical thinking, collaboration, communication, and citizenship skills. Employers have now convinced many educators, including myself, of the importance of a 6th C – career exploration. Too many good jobs go unfilled, and too many qualified students have difficulty finding their pathways to success beyond school, because students lack knowledge of good career options and of how their own interests and talents align with them.

Work-based learning and other career exploration programs, particularly in our secondary schools, can help equip students with all 5 C's. Education leaders across the country are recognizing this and increasingly expecting our schools to step up to the plate. Virginia's Board of Education, on which I serve, is helping lead the way. Starting in the 2018-2019 schoolyear, the Board of Education has directed that all Virginia middle school students will take a career investigation course, and starting with the graduating class of 2022, all Virginia high school students will be offered opportunities for internships, externships, or other work-based learning as part of their curriculum.

The most effective work-based learning opportunities involve partnerships between employers and schools such as those highlighted in today's symposium. I have had the privilege of seeing some of these amazing programs at work, changing lives of the students they serve and setting them on pathways to extraordinary futures. I am looking forward to learning more with you from all our great presenters.

Many thanks to colleagues at the Schar School of Policy and Government, its Center for Regional Analysis, the College of Education and Human Development, the Virginia Department of Education, Jobs for the Future, our presenters, and all our sponsors for their help on today's program.

Have a great day!



Anne Holton
Visiting Professor
Schar School of Public Policy and
College of Education and Human Development
George Mason University

Message from George Mason University's Schar School of Policy and Government

On behalf of George Mason University's Schar School of Policy and Government (Schar School), I would like to extend a very warm welcome to all attendees of the Symposium on Strengthening the Pipeline from School to Work: Highlighting Best Practices in Private Sector and School Partnerships. We are honored to host this year's program.

The Schar School is a leader in the Northern Virginia/Washington, D.C., region in academic and professional research and education. Our work is being recognized not only regionally, but also nationally and internationally, as evidenced by numerous rankings of programs and prestigious faculty awards.

We harness the power of many perspectives. Schar is the intellectual home of more than 80 fulltime faculty members, nearly 2,000 students, and 13 degree programs at the doctoral, masters, and undergraduate levels. Our diversity stimulates creativity and sparks innovation. Our faculty members are highly accomplished both in academic research and as policy practitioners. We push the frontiers of conventional wisdom, apply rigorous analysis to complex issues, and make a positive contribution to understanding policy and government at home and abroad. Through teaching, community engagement, and executive education, our academic and professional programs and research have a real-world impact.

Our proximity to Washington, D.C.,—the School's headquarters is just five Metro stops away from the White House and the International Monetary Fund—opens many gateways of access for our faculty and students.

We have had much to celebrate, and I am proud to highlight some of those stories here. Have a great symposium and enjoy your time in the National Capitol!



Dr. Mark J. Rozell
Dean and Hazel Professor of Public Policy
Schar School of Policy and Government
George Mason University

**Message from George Mason University's
College of Education and Human Development**

On behalf of Mason's College of Education and Human Development (CEHD), I am delighted to welcome you to the March 8 Symposium on Strengthening the Pipeline from School to Work. CEHD is delighted to be partnering with Mason's Schar School of Policy and Government to bring business and school leaders together to address this important topic. Across the country, schools are increasingly focused on the need to equip their students with the skills necessary for success in college, career and citizenship – critical thinking skills, creativity, collaboration and communication. Schools are also recognizing their important role in helping students explore career options. To meet these responsibilities, effective school leaders are eager to partner with employers to facilitate work-based learning and other career exploration options for their students. The presenters today will highlight some extraordinary programs that are at the cutting edge of school-business partnerships.

CEHD is proud to contribute to our collective knowledge base on this subject. The College is a nationally recognized leader in educator preparation, special education, counseling, and school leadership, and is home to 11 centers engaged in groundbreaking research. With our record of achievement and scholarship, CEHD is ranked among the top education schools in the country and indeed the world. Our Graduate School of Education — the largest and most comprehensive in Virginia — is the alma mater for more than 1/3 of teachers and at least 50% of school leaders in Northern Virginia's world-class school systems. Each year, more than 3,000 graduate students enroll in our innovative academic programs, which include advanced study for teachers and school leaders, instructional design and technology, and a renowned PhD in Education program that is among the largest in the country.

The work of this symposium is typical of the great work going on at CEHD every day. Check out our many offerings – we'd love to have you join us! Have a great day learning together,



Dr. Mark R. Ginsberg
Dean and Professor
College of Education and Human Development
George Mason University

Program Schedule

8:30 a.m. – 9:30 a.m.

Registration: Art Gallery

Continental Breakfast: Art Gallery / Multipurpose Room

9:30 a.m. – 9:45 a.m.

Welcome: Auditorium

Dr. Mark J. Rozell, Dean, Schar School of Policy and Government

Anne Holton, Visiting Professor, Schar School of Policy and Government
and College of Education and Human Development

Dr. Mark C. White, Deputy Director, Center for Regional Analysis

9:45 a.m. – 11:00 a.m.

Session I: Auditorium

**Transforming Schools to Better Prepare Students for the World of
Work**

Moderator:

Stephanie Malia Krauss, Jobs for the Future

Panelists:

Dr. Matt Burrows, Superintendent, Appoquinimink School District

Lt. Jason Price, Commander, Community Engagement Unit, Hampton
Police Division

Ralph J. Saunders, The Academy of Law and Public Safety, Bethel High
School

Dr. Jeffery Smith, Superintendent, Hampton City Schools, Champion of the
Academies of Hampton

Mike Trego, CTE Coordinator, Appoquinimink School District

Dr. Tom Windley, CEO, Premier Physical Therapy

11:00 a.m. – 11:15 a.m.

Break: Art Gallery

11:15 a.m. – 12:30 p.m.

Session II: Auditorium
Targeted Approaches for Creating Work-Based Learning
Opportunities and Promoting Career Awareness

Moderator:

Dr. Steve Constantino, Acting Virginia Superintendent of Public Instruction

Panelists:

Charles Britt, STEM Coordinator, Fairfax, NOVA SySTEMic, Northern Virginia Community College

Jeffrey Cooke, Principal Community Relations Associate, Engagement Strategist, Capital One

Dr. Jared Cotton, Superintendent, Henry County Public Schools

Monica Smith-Callahan, Director of Workforce Programs, ChamberRVA, Mission Tomorrow Job Fair, FutureRVA Initiative

12:30 p.m. – 1:15 p.m.

Lunch: Multipurpose Room

1:15 p.m. – 1:45 p.m.

Keynote Address: Multipurpose Room

Introduction: **Dr. Mark R. Ginsberg**, Dean, College of Education and Human Development

Speaker: **Dr. Arne Duncan**, Managing Partner, Emerson Collective, Former U.S. Secretary of Education

1:45 p.m. – 2:15 p.m.

Session III: Multipurpose Room
Student Perspectives on Work-Based Learning

Moderator:

Anne Holton, Visiting Professor, Schar School of Policy and Government and College of Education and Human Development

Panelists:

Arlington Tech, Arlington Public Schools, Student Representatives
Virginia FFA, Student Representatives

2:15 p.m. – 2:30 p.m.

Closing: Multipurpose Room

About the Keynote



Dr. Arne Duncan

As managing partner at Emerson Collective, former U.S. Secretary of Education Arne Duncan returned to Chicago on a mission to improve the lives of young adults in his hometown. Through partnerships with local business leaders, community organizers, and nonprofit groups, Duncan is creating create job and life opportunities for disconnected youth between the ages of 17 and 24. With his colleagues at Chicago CRED (Creating Real Economic Destiny), an initiative of the Emerson Collective, he is recruiting young men at high risk of

participating in gang violence and helping them transition to gainful, good-paying jobs in construction, health care, security and manufacturing.

Prior to joining the Obama Administration, Duncan served as chief executive officer of Chicago Public Schools. From 2001 to 2008, Duncan won praise for uniting the city's stakeholders behind an education agenda that included opening 100 new schools; expanding after-school, summer learning, early childhood, and college access programs; dramatically boosting the caliber of teachers; and building public-private partnerships around a variety of education initiatives. Duncan graduated magna cum laude from Harvard University in 1987, majoring in sociology. At Harvard he served as co-captain of the basketball team and was named a first team Academic All-American.

Emerson Collective is an organization dedicated to removing barriers to opportunity so people can live to their full potential. Established by Laurene Powell Jobs, Emerson Collective centers its work on education, immigration reform, the environment and other social justice initiatives. One of Emerson's signature initiatives is XQ: The Super School Project, aimed at boldly re-designing high schools to meet 21st Century needs.

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About the Panelists



Charles Britt

Charles Britt is a STEM Education Outreach Coordinator at Northern Virginia Community College (NOVA), the largest institution of higher education in the Commonwealth of Virginia. In this role, he leads the strategy development and execution of a regional public-partnership partnership to create co-curricular and enrichment programs to engage and increase students' interest in STEM disciplines and career fields. His work is directly focused on Fairfax County Public Schools and its diverse population of over 180, 000 K-12 students.

Prior to transitioning into education and workforce development, Mr. Britt spent over 12 years serving in both technical and executive support roles with the Central Intelligence Agency, specifically in the area of cybersecurity. Mr. Britt is passionate about improving the community and outcomes for underrepresented populations. He is a former president of the National Society of Black Engineers Washington, D.C. Metro area chapter, current chair of the Fairfax County Public Schools Career & Technical Education Advisory Committee and active member of the Northern Virginia Workforce Investment Board's Youth Committee and NOVA District PTA's STEM Committee.

Mr. Britt earned a B.S. in Information Technology from Capitol Technology University and is a graduate of Leadership Fairfax Class of 2016. Mr. Britt is a recipient of the Fairfax County Bruce Oliver Leadership Award and Equality Virginia's 2016 OUTstanding Virginian Award.



Dr. Matthew Burrows

Dr. Matthew "Matt" Burrows was appointed Superintendent of Appoquinimink Schools in July 2011. He has the distinction of being one of the youngest educational leaders ever chosen to serve in the role (in Delaware). Burrows began his career in 1997 as a social studies teacher, and has experienced the challenges associated with working as a teacher and later

administrator in urban, suburban and rural settings – at the elementary and secondary level. Seven years into the job as superintendent, he's already led his district through a successful facility master plan process, attendance zone reconfiguration, and two referendums – including a \$268

million effort that represents the single largest investment in new school construction ever made in the State of Delaware. Last year, he completed a busy year as president of the Delaware Chief School Officer's Association, member of the Governor's Pathways Steering Committee and chair of Delaware's ESSA Committee. This year, in addition to overseeing the creation of three new schools, and the expansion of two existing facilities, he is once again working to develop a proposal for new school construction in the fast-growing district. Appoquinimink was recently recognized as #1 school system in the State of Delaware, has twice been named to the AP Honor Roll, and is rapidly becoming recognized for its college partnerships and groundbreaking work to integrate the scope and sequence of career pathways at its high schools. The district is nationally recognized for its music education programs, and is a perennial "Best of Delaware - Reader's Choice: School's Category" winner.



Dr. Steven Constantino

Dr. Steven M. Constantino was named acting superintendent of public instruction by Governor Terry McAuliffe effective January 1, 2018.

Dr. Constantino began his tenure with the Virginia Department of Education in August 2016 as chief academic officer/assistant superintendent of the division of instruction.

His career started as an educator in 1980 in upstate New York, where he served in several school districts as a music teacher, band director, district director of fine arts, and as a high school assistant principal. In 1992, he moved to Virginia as assistant principal of Gar-Field High in Prince William County. Dr. Constantino was named principal of Stonewall Jackson High in 1995. He served as deputy superintendent in Cobb County — Georgia's second largest school district — from 2008 to 2011. From 2011 to 2016, he served as the division superintendent for the Williamsburg-James City County Public Schools.

Dr. Constantino's honors include being named Region 2 Superintendent of the Year in 2015 by the Virginia Association of School Superintendents and Prince William County Principal of the Year for 2000. He received the 2000 Distinguished Educational Leadership Award from *The Washington Post*. During his tenure as principal, Stonewall Jackson High was recognized in 2000 by Newsweek magazine as one of the top 100 most challenging high schools in the country and the following year it was selected as *Time* magazine's high school of the year.

Dr. Constantino is the author of four books on family engagement. He has served as an assistant professor at George Mason University and as a faculty member at the College of William & Mary's executive doctor of education program.

He earned a doctorate in educational leadership and policy from Virginia Tech in 2002 and a certificate of advanced study in educational administration from the University of New York at Cortland in 1989. He earned master's and bachelor's degrees in music education from the State University of New York at Potsdam, in 1985 and 1980, respectively.



Jeffrey Cooke

Jeffrey Cooke is an Engagement Strategist at Capital One, leading the development, implementation and evaluation of volunteer programming for the company's Technology, Digital and Design organizations across its U.S. footprint. Prior to joining Capital One's Community Affairs team in 2012, Jeffrey served as an Americorps Member as a tutor, mentor and role model with City Year. Jeffrey holds a B.S. in Civil Engineering from NC State University. He currently resides in Washington, D.C.



Dr. Jared Cotton

Dr. Cotton currently serves as the Superintendent for Henry County Public Schools in Virginia. Prior to his current position, he served as the Associate Superintendent for the Department of Educational Leadership and Assessment for Virginia Beach City Public Schools. He has also served as Director of Assessment and Accountability, principal for a Title I elementary school, assistant principal at the middle and elementary school levels, instructional technology specialist, and classroom teacher for Chesapeake Public Schools in Chesapeake, Virginia. Additionally, Dr. Cotton has served as adjunct faculty in educational leadership and instructional technology for Troy University, Cambridge College, The George Washington University, and the University of Virginia.

Dr. Cotton received his Ed.D and Master's degree from The George Washington University, Washington, D.C. He earned his Bachelor of Science in Middle Education (4-8) from Old Dominion University in

Norfolk, Virginia. He has presented on topics pertaining to the effective use of technology in education, best practices in educational leadership, research on student assessment, and models for effective data analysis at state and national conferences to include the Virginia Association of Elementary School Principals, the Virginia School Board Association (VSBA), the International Society for Technology in education, and Phi Delta Kappa.



Anne Holton

Anne Holton is a visiting professor at the Schar School of Public Policy and Management and at the College of Education and Human Development, and a visiting Fellow at the Center for Education Policy and Evaluation. She is a life-long advocate for children and families in Virginia. With an A.B. from Princeton and a

Harvard law degree, Holton has worked as a legal aid lawyer serving low-income families, a juvenile and domestic relations district court judge, a child welfare reformer, and Virginia's Secretary of Education. Holton helped integrate the inner-city schools of Richmond, Virginia as a child when her father was Virginia's governor in the early 1970's. As Virginia's First Lady when her husband was Governor in 2006-2010, Holton championed foster care system reform. As Virginia's Secretary of Education in 2014-2016, Holton worked to increase Virginia's investment in public education, to promote innovation and the joy of teaching and learning in our schools, and to ensure every student has a successful pathway to the future, especially those in high-poverty communities. Her life's work has focused on children and families at the margin, and the crucial role education must play in helping young people escape poverty. Holton currently serves on the Virginia Board of Education. She and her husband, now a U.S. Senator, live in Richmond, VA. They have three adult children, all of whom attended Richmond Public Schools.



Stephanie Malia Krauss

Stephanie Malia Krauss is director of special projects at Jobs for the Future (JFF). She develops, shapes, funds, and manages cross-team and cross-strategy projects that further JFF's ability to best serve its target populations, ensuring their education and economic advancement.

Previously, Ms. Krauss served as a senior fellow with the Corporation for a Skilled Workforce, the Forum for Youth Investment and JFF. As a senior

fellow, she led multiple national and state-level initiatives focusing on postsecondary credentialing, competency-based education, youth readiness, and opportunity youth. She has served as campaign director of Connecting Credentials, and co-director of The Readiness Project. In addition, Ms. Krauss founded and served as Chief Executive Officer of Shearwater Education Foundation, where she successfully pushed for state policy change and the cultivation of partnerships to enable competency-based education and flexible learning opportunities for St. Louis City's disconnected youth, including those in foster care, coming out of the justice system, or experiencing homelessness.

Ms. Krauss has been a guest commentator on PBS NewsHour and NPR. She earned a Master of Education Degree in curriculum and instruction from Arizona State University, and a Master's Degree in Social Work, in social and economic development of youth, from Washington University in St. Louis. One of the youngest recruits to Teach For America, Ms. Krauss began her career at age 18, as a fifth-grade teacher, servicing a mostly Latino migrant community in Phoenix, Arizona. As a teacher, she spent her summers training teachers in impoverished communities in East Africa.



Lt. Jason Price

Lt. Jason Price has served for the Hampton Police Division since 1997. While working his way through the ranks, he obtained his Associates degree in Criminal Justice from Thomas Nelson Community College and his Bachelor of Science degree in Criminal Justice from Liberty University. Currently, Lt. Price is the Commander of the Community Engagement

Unit which consists of the Community Relations Unit, the Public Information Office, and the School Resource Officer Unit. He also manages the Division's Unmanned Ariel Vehicle Unit and is the Commander of the Division's Crisis Negotiation Team.



Dr. Mark J. Rozell

Dr. Rozell is the Founding Dean of the Schar School of Policy and Government at George Mason University. He also holds the Ruth D. and John T. Hazel Chair in Public Policy. He joined the Mason faculty in 2004 as professor of public policy and director of the Masters of Public Policy program. Previously he was Ordinary

Professor and chair of the department of politics at The Catholic University of America in Washington, D.C.

Dr. Rozell is the author of nine books and editor of twenty-five books on various topics in U.S. government and politics including the presidency, religion and politics, media and politics, and interest groups in elections. Presently he is co-writing a book on the unitary executive theory and another on comparative federalism.

His most recent books are:

Catholics and U.S. Politics after the 2016 Elections: Making Sense of the "Swing" Vote. New York: Palgrave-MacMillan Press, 2018 (edited volume with Blandine Chelini-Pont and Marie Gayte).

The New Politics of the Old South: An Introduction to Southern Politics (revised and updated sixth edition). Lanham, MD: Rowman & Littlefield, 2018 (edited volume with Charles S. Bullock III).

God at the Grass Roots, 2016: The Christian Right in American Elections. Lanham, MD: Rowman & Littlefield, 2018 (edited volume with Clyde Wilcox).

Dr. Rozell writes frequent op-ed columns in various outlets such as *The Hill*, *Politico*, *New York Daily News*, among others. He is a frequently quoted commentator on U.S. and Virginia state politics. He has testified before Congress on several occasions on executive privilege issues and has lectured extensively in the U.S. and abroad. In recent years he has lectured in Austria, China, Denmark, Finland, France, Germany, Great Britain, India, Italy, Poland, South Korea, Spain, Sweden, Turkey, and Vietnam.



Ralph J. Saunders

Ralph J. Saunders is a native of Hampton, Virginia. He is a graduate of St. Paul's College in Lawrenceville, VA where he earned a Bachelor of Science degree and The George Washington University where he earned a Master of Education degree. He began his teaching experience at Jane H. Bryan Elementary School as a second and third grade teacher where he earned the distinction as Teacher of the Year. He later served as an assistant principal at Bethel High School and principal of Christopher C. Kraft Elementary School in Hampton, VA. For the past six years, Mr. Saunders has served as the proud principal of Bethel High School during which he initiated several programs to boost student achievement and engagement in school. Mr. Saunders firmly believes that we must stand on our mission to ensure that students graduate college, career, and life ready.



Dr. Jeffery Smith

Dr. Jeffery Smith is a Cum Laude graduate of Virginia Union University, where he earned a B.A. degree in English Education, and Virginia Commonwealth University, where he earned a Master of Education degree in Education Administration and Supervision. Dr. Smith is also a graduate of Virginia Polytechnic Institute and State University (Virginia Tech), where he earned his doctorate degree in Educational Leadership and Policy Studies.

As an educator for more than 25 years, Dr. Smith has worked as a classroom teacher, assistant principal, principal, and as an assistant superintendent in the areas of academic and instructional services, and as a superintendent. His combined experiences have afforded him the opportunity to work as an instructional leader at the elementary, middle, and high school levels and at the central administration level in rural, suburban and urban educational settings ranging from student enrollments of 800 to 32,000 students.

Dr. Smith began his tenure as superintendent of Hampton City Schools on July 15, 2015. During his previous seven years as the superintendent with the Town of West Point Public Schools in Virginia, the school division was recognized at the state and national levels for the students' stellar academic achievement. The West Point Public Schools was named the Highly Distinguished Title I School Division for high academic achievement for three consecutive years. It was the only division in the Commonwealth to earn this recognition in 2013, and one of only two school divisions in January 2014 and January 2015. Under Dr. Smith's leadership as superintendent with West Point Public Schools, the West Point High School earned the 2012 National Blue Ribbon Award.

Also, during Dr. Smith's leadership, the school division strengthened its dual enrollment program with the local community college, which increased students' dual enrollment from 72 to 151 college credits with nine percent of the Class of 2014 earning an Associate Degree in Arts and Sciences, 71 percent of the students earned an Advanced Studies Diploma, 97 percent of the Class of 2014 was on-time graduates and 10 percent of the Class of 2015 earned an Associate Degree in Arts and Sciences.

Under Dr. Smith's leadership as superintendent with the Hampton City Schools, the school division has strengthened its dual enrollment program with Thomas Nelson Community College, to date yielding a 430 percent increase in the number of dual enrollment credits taken by HCS students, the dropout rate has decreased from 5.1 percent to 2.8 percent, the

Hampton City community has earned the distinction of being the first Ford Next Generation Learning Community in the Commonwealth of Virginia and one of 23 in the nation and the number of schools fully accredited is at its highest level in five years.



Monica Smith-Callahan

ChamberRVA is proud to announce Monica Smith-Callahan as the new Director of Workforce Programs. Monica will be responsible for leading the workforce development work that was identified in the FutureRVA fundraising campaign. Monica will work closely with business leaders, K-12 officials, Community

College officials, local and state government officials and staff, economic development professionals and educators to access the workforce needs in the region.

Monica most recently served as the Director of Outreach and Development for Smart Beginnings Greater Richmond. Prior to that, she was the Community Engagement Director for Richmond 2015, the organization responsible for the 2015 UCI Road World Cycling Championships.

A native of Richmond, Monica holds a MBA and a Bachelors in Mass Communication. She is married with two children.



Dr. Tom Windley

Dr. Tom Windley is a Physical Therapist and one of two founders of Premier Physical Therapy and Sports Performance in Delaware. He currently serves as the organization's Chief Executive Officer. Premier Physical Therapy and Sports Performance is an outpatient orthopaedic and sports physical therapy practice with clinical facilities in six

communities in Delaware. The mission of Premier PT is to be the regional leader in outpatient orthopedic and sports physical therapy helping others through excellence in clinical practice at all levels. The cornerstone of Premier's clinical excellence is its involvement in clinical education. Premier is a clinical instruction site for six of the top Doctorate of Physical Therapy Education programs in the country and holds the only nationally accredited post—professional sports and orthopaedic residency programs in Delaware. Premier's commitment to local education extends to the high school level with its commitment to host volunteer sites for students interested in the allied health professions. Dr. Windley is proud to extend

that commitment by serving as the Treasurer for the Appoquinimink School District Allied Health Advisory Board in Middletown, Delaware.

Dr. Windley has a Master of Physical Therapy degree from the University of Delaware and a Ph.D. in exercise and sport science from the University of North Carolina at Greensboro. Dr. Windley completed a post-doctoral fellowship with the University of Pittsburgh while serving as Coordinator of the Golf Fitness Laboratory operated in Pinehurst, N.C. by the University of Pittsburgh Medical Center. After the fellowship with the University of Pittsburgh, Dr. Windley went back to the University of Delaware to complete a post-doctoral fellowship in the Department of Physical Therapy while serving as Coordinator for the clinical aspects of a five-year \$1 million National Institute of Health (NIH) grant examining the most effective ways to rehabilitate athletes with injury to the anterior cruciate ligament. Dr. Windley has authored or co-authored 9 peer-reviewed scientific publications, 16 professional abstract presentations, and two book chapters in addition to numerous invited professional presentations. His research findings have been presented before national conferences, including the American Sports Medicine Institute's Injuries in Baseball Conference, the American College of Sports Medicine's annual conference, Massachusetts Institute of Technology's Better Golf Through Technology Conference, the American Physical Therapy Association's Combined Sections Meeting, and the National Athletic Trainer's Association's annual meeting and clinical symposium. He has been interviewed by national publications including *The New York Times*, *Golf Digest*, and *New Living Magazine*; and by regional and local TV stations.

Windley and his wife, Jennifer, who is also a licensed physical therapist and University of Delaware graduate, enjoy their time away from their careers with their three children.



Mike Trego

Mike Trego is the CTE Coordinator for the Appoquinimink School District, one of the largest and most innovative school districts in Delaware.

Mr. Trego has dedicated his career to public education, including 15 years as a CTE teacher, teaching at the middle and high school level as well as serving as an adjunct at the college level. He has obtained a Bachelor of Science Degree in Business Education and a Master's of Business Administration.

Mr. Trego serves on a number of advisory boards in addition to serving on the board of directors for the Middletown Area Chamber of Commerce. One of his major goals is to build strong community partnerships between local businesses and the school district. Additionally, through his work with CTE Pathways, students are graduating with early college credit, early career experience, and industry certifications. Students in the Appoquinimink School District are more college and career ready than ever before. Mike lives in Wyoming, Delaware. He is married to his wife Jennifer and they have three children.



Dr. Mark C. White

Dr. White is the Deputy Director of the Center for Regional Analysis at George Mason University. Dr. White joined the CRA in January 2016. During his time with CRA, he has worked on a variety of projects. As part of the GO Virginia program, Dr. White drafted Northern Virginia's Economic Growth and Diversification

Plan, contributed to the Hampton Roads plan, and helped assemble baseline indicators for all nine GO Virginia regions. He has also conducted several workforce studies including an analysis of the Alexandria-Arlington workforce, and an examination of the Greater Washington Region's middle skills jobs. In addition, he has contributed to numerous economic impact analyses ranging from the economic impacts of Virginia's housing industry to the national impacts of local and regional parks.

Prior to joining the Center for Regional Analysis in 2016, Dr. White was the Vice President for Research at the Center for Regional Economic Competitiveness (CREC) in Arlington, VA. During his 11 years at CREC, Dr. White managed a wide variety of economic and workforce development research and technical assistance projects across the United States and Canada. These projects include numerous industry cluster and value-chain analyses in Hawaii, Illinois, North Carolina, and Pennsylvania. He also facilitated economic and workforce development planning initiatives places such as Durham, NC, Nashville, TN, Waterloo, IA, and multi-state regions around Sioux City, IA and Sherman-Denison, TX. He also supported the Georgia Governor's Office of Workforce Development's Work Ready Regions Initiative for four years by providing labor market information used to inform and shape regional workforce strategies. Dr. White's training activities include developing and delivering curriculum related to data-driven, strategic planning for the U.S. Economic Development Administration and the Economic Developers Council of Ontario.

Dr. White received a Doctor of Philosophy in International Studies, Economic Development from the University of Miami, a Master's of Arts in

Geography from the Maxwell School of Citizenship and Public Affairs at Syracuse University, and a Bachelor's of Arts in Geography from the State University of New York at Plattsburgh. His academic research has been published in peer-reviewed journals in the field of regional development and economic geography, such as *Environment and Planning*, *European Urban and Regional Studies*, and *European Planning Studies*.

About the Student Projects

Arlington Tech, Arlington County Public Schools

Arlington Tech is a rigorous, project-based learning high school program that prepares students to succeed in college and in the workplace through collaborative problem solving. Arlington Tech students learn how to effectively apply their interdisciplinary academic knowledge with skills developed in their Career Technical Education (CTE) classes. Projects serve to integrate these classes and provide hands-on, work-based learning opportunities in which students put theory into action and use critical thinking skills to solve relevant local and global problems in real-time. Learning at Arlington Tech is active (through inquiry), authentic (through projects), and motivated by the students' interest.

Project #1: NASA Spotlight Videos

Alice Buckley and Abby Dhakal

In this project, students from three different courses (Chemistry, English, TV Production) collaborate to produce a series of resource videos for the NASA Education site. These engaging videos specifically target common misconceptions in atmospheric science. Professionals at NASA and the National Institute of Aerospace have been involved in the development of this project, working directly to mentor our students and plan with teachers. Last year, we produced three videos that were accepted and published by NASA and are on track to do the same this year.



Project #2: Go Baby Go

Bree Meyer, Anibal Benitez, and Tariq Thomas

Go Baby Go is a national organization dedicated to providing mobility to children who have disabilities that prevent independent mobility. Our Engineering, Auto Body, and Computer Science students have partnered with the Go Baby Go group out of Marymount University to re-engineer and re-design toy ride-on cars for small children. Each car is personalized to the therapeutic needs and interests of the child and family. The engineering we produce is then shared with the national Go Baby Go network. To date, we've completed four cars.

Project #3: Career Center Bike Share

Dylan Herrada and Marco Sirabella

The goal of this project is to build a free Bike Share program (similar to Capital Bike Share) that can be accessed by any Career Center student. Many of our students do not have reliable transportation to get to school or work. This Bike Share program will provide our students a flexible option for transportation when they need it. To date, Physical Education and Auto Body students, partnering with Phoenix Bikes, have rehabilitated five bikes. Our Engineering students are in the process of designing the storage and locking structures, while our Computer Science students are developing a program to authenticate users and manage the checking in/out process. Our goal is to have this project up and running by the end of the year.

Virginia FFA

FFA is an intracurricular student organization for those interested in agriculture and leadership. It is one of the three components of agricultural education. Through agricultural education, students are provided opportunities for leadership development, personal growth and career success. Agricultural education instruction is delivered through three major components: Classroom/Laboratory instruction (contextual learning), Supervised Agricultural Experience programs (work-based learning), Student leadership organizations (FFA). The Virginia FFA Association is the state's largest intracurricular youth organization with 8,900 members and 197 chapters in middle and high school across the state. For more, visit Virginia FFA Association online at vaffa.org.

Mason Sowers

Mason Sowers is a 2017 James River (Botetourt County, VA) High School Graduate and currently works for Rockingham Cooperative. Mason entered his agricultural education class with little background in the

industry. Through his supervised agricultural experience workplace preparatory program Mason applied concepts learned in the classroom while advancing his mastery of soft skills and understanding of workplace norms.

David Ames

David Ames is a 2017 Graduate of Sherando High School in Stephens City VA who works with the Frederick County Animal Medical Center. David participated in a veterinary science course while in high school and chose to work at a local veterinary clinic as part of his supervised agriculture experience program. At the center, he helps run day-to-day operations, assists with the restraint of animals, runs lab work, and is responsible for helping to keep the clinic clean. David learned about the field of veterinary medicine and now attends Virginia Tech in the pre-vet program.



Guest Wi-Fi Network Access

Service Summary

Guests of university faculty, staff, and students can self-register for Internet access over Mason's wireless network. Guest accounts are active for a period of seven days from first use and are supported on three concurrently connected devices. Account information is emailed directly to guests via email with the option to also be sent via text.

The guest network allows only limited access to Mason's network and Internet resources. It allows access to web services, authenticated email services, and IPsec VPNs. The university offers the service of basic Guest network access and has no guarantee of service quality. Guests are recommended to use eduroam if they are a federation member and to use their institution's home VPN service for improved accessibility.

How to Get this Service

Guests can perform self-service registration through a captive portal once connected to the MASON wireless network. The captive portal is activated when a guest opens a web browser. As part of registration, the authentication system will assign a username and password. These credentials are active for seven days and are required for network access for the duration of the account. Guests must re-register when their account expires. Guests can connect to the wired network via active jacks in the residence halls, classrooms, and public areas around campus.

Guest Wi-Fi Self-Registration

1. On your device, select MASON as your wireless network
2. Go to your web browser and enter itservices.gmu.edu
3. The self-registration portal will appear
4. Click on Create an Account and enter your information to complete the self-registration

There is no charge for this service.

Availability

This service is available 24/7, excluding planned outages, normal maintenance windows, and unavoidable events. Maintenance windows are Sundays from 7 to 11 a.m. but may be extended to 2 p.m., if needed.

Getting Help

Phone: 703-993-8870

E-mail: support@gmu.edu

Notes

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