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2018 REGIONAL GOVERNMENT CONFERENCE

# STATE OF THE INFRASTRUCTURE *and Innovative Solutions*

Monday, May 21, 2018

8:00 am - 3:30 pm

Silver Spring Civic Building  
One Veterans Place  
Silver Spring, Maryland 20910

HOSTED BY



MONTGOMERY COUNTY, MARYLAND  
DEPARTMENT OF GENERAL SERVICES



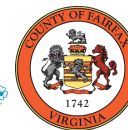
FEATURING



ARCHITECTURAL ENGINEERING INSTITUTE (AEI)  
AND  
CONSTRUCTION INSTITUTE (CI)



REGIONAL COUNTIES SPONSORING



# Welcome!

The Montgomery County, Maryland Department of General Services, featuring Architectural Engineering Institute (AEI) and Construction Institute (CI) are hosting this one-day Public Works Conference.

The event is sponsored by seven Counties in the DMV Member Counties: Arlington, Fairfax, Frederick, Howard, Loudoun, Montgomery, and and Prince George’s. Private consultants/ contractors are also participating.

Montgomery County initiated the formation of a Building Construction Coalition Forum in 2012. Since then the Coalition has been sharing information on cost and best practices (on project delivery, quality control, risk management, and project management in general). A new initiative, driven by a new strategic plan for the coalition, seeks to expand participation to other public works programs beyond the building construction area.

### REGIONAL COUNTIES SPONSORING



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- FAIRFAX COUNTY, VIRGINIA
- FREDERICK COUNTY, MARYLAND
- HOWARD COUNTY, MARYLAND
- LOUDOUN COUNTY, VIRGINIA
- MONTGOMERY COUNTY, MARYLAND
- PRINCE GEORGE’S COUNTY, MARYLAND

NOTES: Complimentary breakfast and lunch are provided.  
Certificate for attendance will be issued at the end of the program.

### AGENDA

8:00 am - 9:00 am.....	<b>REGISTRATION AND BREAKFAST</b>
9:00 am .....	<b>WELCOME AND OPENING REMARKS: STATE OF THE INFRASTRUCTURE</b>  David Dise, CPPO Director, Montgomery County Department of General Services
9:30 am.....	<b>INNOVATIVE WAYS TO MANAGE PROJECTS</b>  Dr. Josef Martens Keynote Speaker
11:00 am .....	<b>PANEL 1: INFRASTRUCTURE FUNDING CHALLENGES</b>  Joseph Beach, Chief Financial Officer, WSSC (Moderator) Joe LaHait, Debt Manager, Fairfax County Government Holger Serrano, Deputy Director, DPW, Howard County Government Stacy Swann, CEO and Founding Partner, Climate Finance Advisors and Vice Chair, Montgomery County Green Bank
12:00 pm .....	<b>LUNCH BREAK</b>
1:00 pm .....	<b>PANEL 2: PROJECT COLLABORATION</b>  Carey Needham, P.E., Director, Building Design and Construction Fairfax County Government, (Moderator) Heather Bowman, LEED AP, Project Director, BS Building Construction Scott A. Hemlock, AIA LEED AP Justice Principal, Senior Project Manager, Hellmuth, Obata + Kassabaum Magdi Imbabi, P.E., CCM Chief, Building Construction Branch, BDCD, Fairfax County Government Ken Macdonald, P.E. Director, Transportation Services, National Capital Region McDonough Bolyard Peck, Inc. Glenn Ryan, AIA, NCARB, OSHA, Assistant Division Chief, Park Development Program Management M-NCPPC - Prince George’s
2:30 pm .....	<b>PANEL 3: INTEGRATED BUILDING PRACTICES AND TECHNOLOGY</b>  Hamid Omidvar, AIA, Chief, Building Design and Construction Montgomery County Department of General Services (Moderator) Jeff Gravatte, Founder and CEO, CADD Microsystems Clay Starr, Director of Engineering Applications, Arcadis US



SPEAKER BIOS



**David E. Dise, CPPO**

David Dise has worked in the public sector for over 30 years. He currently serves as director of the Department of General Services for Montgomery County, Maryland, directing facilities management, fleet maintenance and operations, real estate, ADA compliance, and capital project design and construction services for all county departments. Prior to this, he served as Director of Montgomery County's Office of Procurement, deputy director of Purchasing and Supply Management for Fairfax County, Virginia and served as chief procurement officer and chief of engineering technical resources for Fairfax Water, one of the nation's largest public water utilities. He has successfully developed and directed a wide range of intergovernmental functions, created and lead departments in engineering and procurement disciplines and is experienced in achieving success through leadership by overcoming institutional obstacles, managing change, and motivating professionals. David has been active in the American Public Works Association (APWA), the National Institute of Governmental Purchasing (NIGP),

the Virginia Association of Governmental Purchasing (VAGP), the Institute for Supply-chain Management (ISM), and the National Electronic Commerce Coordinating Council (NECCC), serving on the board of directors for VAGP, NIGP and NECCC, as well as serving on various APWA committees. In addition, he has chaired regional intergovernmental councils and committees. David has published and contributed to research papers in public policy, and developed and conducted seminars on management, professional development, and public-private partnerships.

KEYNOTE SPEAKER



**Josef Martens, Ph.D., CSP**  
[josef.martens.com](http://josef.martens.com)

In addition to being a speaker, Josef is a recovering scientist. His Ph.D. in physics from the University of Cambridge led to several patents which then led to a spin-off company that he and his colleagues started right out of university and which was many years later bought up for \$285 million. Yet despite his expertise, when Josef started his professional career, he soon realized that other people (with far less expertise) have more impact and are more influential and successful in their work. Josef realized that he is missing something, and he set out to find what it was. He discovered that it's the personal touch, the soft skills and our way of being that needs to be combined with our expertise. (With the "analytical expert genes" still in him, he turned what he learned into a framework to build self-awareness, developed a toolkit to make it actionable, and called it The Human Elements of Innovation). Once he started practicing this himself, he experienced having more influence and impact and relationships became more fulfilling

and his career advanced. Josef has presented his high-energy and interactive programs to audiences in 30 countries on 5 continents to a long list of corporate and government clients. As a Certified Speaking Professional, Josef is in a group of only 700 speakers worldwide who have achieved this highest earned designation of the National Speaker Association.

Abstract: This program will deliver actionable solutions and strategies to help program and project managers become more impactful and influential. Given all the processes, systems and subject matter expertise that project managers deal with, it's easy to assume that getting all this right is the key to effectiveness, productivity and success. While all this is important, it does not get us to the highest level of influence or impact. There are some key ingredients missing that open up more opportunities and get us to a higher level of success. We call these ingredients the Human Elements of Innovation. This program will introduce you to this simple, yet profound framework to build your skills towards more impact and influence.

PANEL 1: INFRASTRUCTURE FUNDING CHALLENGES



**Joseph Beach (MODERATOR)**

Joseph F. Beach is the Chief Financial Officer and Treasurer for the Washington Suburban Sanitary Commission. As CFO for WSSC and as the Finance Director for Montgomery County Government in Maryland, Mr. Beach has led the issuance of over \$5 billion in general obligation, revenue bond, and other tax-exempt debt issuance to finance public infrastructure. In Mr. Beach's 30 years in local government finance he has worked in a number of senior level positions including Finance Director, Budget Director, and Assistant Chief Administrative Officer for Montgomery County Government in Maryland. A graduate of the University of Michigan, Mr. Beach also holds a master's degree in Public Affairs from the George Washington University and a J.D. from the University of Baltimore. He was admitted to the State Bar of Maryland in December 1995.



**Joe LaHait**

Joe LaHait is the Debt Manager for Fairfax County. Mr. LaHait has organized and successfully led multiple bond referendums for the County, including a \$312 million 2016 referendum for transportation, parks and human services, as well as annual referendums in previous years to support the County's libraries, schools, public safety and stormwater totaling over \$780 million. Joe has been the Debt Manager for the County since 2011 and oversees financings for all County and affiliated conduit issuers. He previously served as Budget Director for the City of Fairfax, Virginia and as a Budget Analyst with Prince George's County, Maryland.



**Holger Serrano**

Holger Serrano is Assistant to the Director for Howard County Department of Public Works. He is currently the project Director for the P3 New Courthouse Project for Howard County, which is currently in the final stages of the Project Company selection. He received his B.S. in Civil Engineering from University of Maryland and his Masters in Engineering Administration from the George Washington University. He has had a 40-year career in Engineering both in the private and government sector, including 20 years with Montgomery County Government and most recently 4 years with Howard County Government. He is looking forward to this summer world cup since he has always been a soccer fanatic. He resides in Olney, Maryland with his wife Kay.

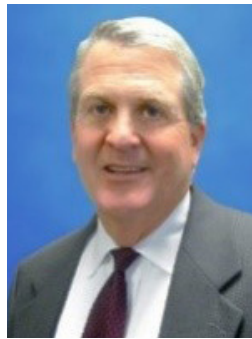


**Stacy Swann**

Stacy Swann is the CEO and Founding Partner of Climate Finance Advisors. Ms. Swann has more than two decades of experience in finance, fund management and development, including with the International Finance Corporation (IFC) where she was Head of IFC's Blended Finance Unit and was responsible for managing and investing more than \$750 million in donor funding for climate-smart investments. While at IFC, she also supported World Bank Group efforts to work with policy makers and other financial institutions on issues related to blended finance, climate finance, climate-smart fiscal policies and incorporating practical policy and investment approaches to managing climate risk. Prior to joining the World Bank Group, she worked in the private sector as a developer of infrastructure projects in India and Singapore. In addition to running Climate Finance Advisors, Ms. Swann is currently Vice-Chairperson of the Board for the Montgomery County Green Bank, the United States' first county-level green bank, and she sits on the Board of the Women's Council on Energy and Environment (WCEE). She also helped establish the Global Adaptation and Resilience Investment (GARI) working group which has convened over 150 private investors and other stakeholders to discuss practical approaches to adaptation and resilience investment. In connection with Climate Finance Advisor's work on climate risk and resilience, she is also interim Executive Director of the Climate Risk & Resilience Institute, a non-profit focused on advancing the understanding of climate risk with financial institutions, community banks and others through climate-risk education and knowledge products that can in turn catalyze climate-resilient financing. Stacy holds an MBA in Finance and Development from American University, a Master's Degree from Harvard University and a BA from City University of New York – Hunter College.



PANEL 2: PROJECT COLLABORATION



**Carey Needham, P.E. (MODERATOR)**

Carey is a licensed Professional Engineer, and is currently the Director of Building Design and Construction for Fairfax County, Virginia. Carey holds a Bachelor's and Master's Degree in Civil Engineering, both from Virginia Tech; and also holds an Associate's Degree in Architecture. He has over thirty years of experience in the building design and construction industry, having worked as a Project Manager, Construction Manager and as Chief of the Building Design Branch for Fairfax County.



**Heather Bowman, LEED AP, Project Director**

BS, Building Construction | 1995, Virginia Tech | Blacksburg, Virginia. Heather Bowman's construction background includes estimating, project management, and phased scheduling expertise. In addition to her considerable strategic planning experience, Heather offers extensive collaborative leadership across a diverse range of projects, clients and industry partners. She has successfully led preconstruction and construction teams on athletic, science/lab, institutional, educational, commercial, infrastructure and industrial projects. Her ability to analyze documents, generate efficient and cost effective solutions while providing clear and concise feedback to the project team, has proven vital to the success of many of Branch's most sophisticated projects. Consistently complimented for her acute attention to detail by clients, building officials, and subcontractors alike, Heather has earned the trust of all who have worked in partnership with her.



**Scott A. Hemlock, AIA LEED AP**

Scott Hemlock, AIA LEED AP is a Justice Principal in the Washington DC office of Hellmuth, Obata + Kassabaum (HOK) where he has specialized in the architectural design and project management of justice facilities for over twenty five years. His experience includes all phases of project development for justice, courts, public safety, detention-corrections, and law enforcement facilities, many of which have received recognition from the American Institute of Architects Academy of Architecture for Justice (AIA-AAJ) for design innovation. Scott has extensive experience working with state and local agencies to establish client goals and needs, with a special focus on creating engaging, secure, functional, sustainable and cost effective facilities.



**Magdi Imbabi, P.E., CCM**

BSc. Civil Engineering, 1986, University of Khartoum, Sudan. Magdi Imbabi is a Licensed Professional Engineer, Commonwealth of Virginia, a Certified Construction Manager (CCM), and a Certified Value Engineering Mods I & II. He has over 30 years of experience in construction management and contract administration, both internationally and locally. Magdi has Almost 20 years with Fairfax County DPWES and specializes in contractual disputes and mediation.



**Ken Macdonald**

Ken Macdonald has over thirty-one years of construction project experience of which twenty-seven years have been in the role of construction management. For the past four years he has been a team member of McDonough Bolyard Peck, Inc. (MBP) serving in the role of Program Manager for Northern Virginia municipalities including Fairfax, Loudoun and Prince William Counties. He has performed CM services on a diverse portfolio of roadway and bridge projects and airport projects in Virginia, Texas and Ohio. He is a graduate Civil Engineer from the University of Virginia and is a registered professional engineer in the Commonwealth of Virginia and the State of Texas. In his current assignment he supports Loudoun County's Route 7 & 659 Interchange project as the Construction Manager for the consultant team. Previous assignments include the Woodrow Wilson Bridge program and three major aviation programs across the country including Washington Dulles International Airport, Austin-Bergstrom International Airport, and Port Columbus International Airport. He is a graduate Civil Engineer from the University of Virginia and is a registered professional engineer in the Commonwealth of Virginia and the State of Texas.



**Glenn Ryan, AIA, NCARB, OSHA**

Glenn Ryan, AIA, NCARB, OSHA, is the Assistant Division Chief Park Development Program Management with M-NCPPC's Prince George's County Parks, Planning and Development Division. Mr. Ryan, oversees a \$500m+ CIP Program and the Division Sections of Architecture, Landscape Architecture, Engineering and Construction Management. Mr. Ryan coordinates with Land Acquisition, Planning and Procurement Sections and interacts with the Historic Properties, Maintenance and Special Programs Divisions of M-NCPPC. Mr. Ryan provides overall Program Management direction through senior management staff for all architecture, engineering and construction functions to ensure successful completion of CIP Projects. Prior to joining M-NCPPC, Mr. Ryan was a Program Manager for ARCADIS; Project Architect for the firms of Grimm+Parker Architects; DCMM Architects; Wilmot Sanz Architects; Giant Food Corporation served as a Commercial / Industrial Project Architect. Mr. Ryan holds a 5 year Professional

Bachelors Degree of Architecture, Minor in Historic Preservation from Texas Tech University. Mr. Ryan is a registered professional architect in the State of Maryland, holding NCARB Certification and OSHA Certification. He is a long-time member of the AIA, NCARB, CMAA, COAA and USGBC. Mr. Ryan has over 29 years of diverse built environment experience in Federal, State, Municipal, K-12, PSF, Hospital, Commercial, Retail, Industrial and Religious market sectors focused on Client Development, Program/Project Management, Procurement, Contract Management/Negotiations, Claims, Cost/Scope/Schedule Management utilizing PMIS in a PMO setting for Integrated Project Delivery Collaboration, P3, D/B, CMAR and DBB.

PANEL 3: INEGRATED BUILDING PRACTICES AND TECHNOLOGY



**Hamid Omidvar, AIA (MODERATOR)**

Hamid Omidvar has been with Montgomery County since 1994 working on the planning, design and construction of county facilities. Currently he is managing planning, design and construction of County's Public Projects. Previously, Mr. Omidvar was practicing architecture and urban design in the private sector designing large corporate, federal and local jurisdictions projects. Among his clients were AT&T, C&P, NewMed, City Bank, ABC and NBC TV stations, GSA, DOE, Army Core and DOD. Mr. Omidvar has provided lectures including Project Management, Green Design, Project Budget Management, Theory of Design, Vernacular Architecture, Design and Construction Quality Control. He holds a post master's degree in Architecture and Urban Design from the University of California-Los Angeles and a master's degree in Architectural Engineering from the University of Tehran. He is a member of the American Institute of Architects, author of "Montgomery County Manual for Planning, Design, and Construction of Sustainable

Buildings", and member of U.S. Green Building and Liaison for Montgomery County. He is currently Chief of the Division of Building Design and Construction at the Department of General Services, Montgomery County, Maryland.



**Jeff Gravatte**

Mr. Gravatte is a founder and CEO of CADD Microsystems, headquartered in Alexandria, Virginia. He graduated from George Mason University's School Volgenau School of Information Technology and Engineering and holds a Bachelors of Science in Electronic and Computer Engineering. Mr. Gravatte began his career as a Vertical Transportation Specialist, where he was involved in the redesign and retrofit of Elevator and Escalator systems. In the early part of his career, he used CAD systems for Architectural and Engineering designs for Government and Commercial buildings. He eventually founded CADD Microsystems to help firms become more profitable using CAD technology. His expertise grew out of the design of early CAD systems hardware and software configurations to enhance client productivity. Mr. Gravatte continues to study the design and building processes focusing on automatint tasks and process with CAD/BIM systems technology. His understanding of design and construction technology applications has led him to become a

nationally recognized Building Information Modelling (BIM) expert. Mr. Gravatte works with clients to provide technology planning and vision. His activities have included building Revit User Groups in four east coast cities with more than 500 members, attending Stanford Universities CIFE summer program on Virtual Design and Construction, and writing various articles about Building Information Modeling. He is a dynamic presenter and presents frequently at conferences and seminars across the United States.



**Clay Starr**

Clay Starr is the Director of Engineering Applications for Arcadis US. With 18 years' experience in CAD/BIM, Clay is responsible for managing the training, implementation, and support for all aspects of Arcadis' use of engineering and design technology including BIM, Parametric Design, Integrated Delivery, Analysis, and global collaboration. While consulting on more than 200 BIM projects of all sizes & types and training 600+ employees globally, Clay has the inside track on what it takes to encourage people to embrace change. He works with executive leadership to align technology with the firm's strategic design and engineering application goals and helps company leadership understand the new workflow required for the transition into 21st century delivery. He also has global experience with public speaking highlighting the firm's technological vision and implementation process & goals.