



Data Innovation Day 2017:

Smarter Government, Smarter Communities

Tuesday, December 5, 2017

1:00 PM - 5:00 PM

District Architecture Center (421 7th St NW)

OVERVIEW

From government chatbots that respond to citizens' queries to municipal infrastructure that predicts necessary repairs, the public sector of tomorrow has the potential to be significantly smarter and higher-performing than it is today. But improvements will not happen soon enough or extensively enough unless policymakers insist on leveraging the power of data. While some agencies have taken first steps toward enabling smarter government, all face significant obstacles, from limited funding to available expertise, that limit their willingness and ability to embrace data-driven innovation. Given the magnitude of the potential benefits—more responsive government; new and more efficient public services; and improvements in public safety, public health, and quality of life—policymakers should take steps to overcome these obstacles and accelerate the transformation to smarter government.

Join the Center for Data Innovation for a conversation with public and private-sector leaders about how data, artificial intelligence, and connected technologies can make all levels of government smarter and what steps policymakers should take to enable these changes.





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AGENDA

1:00 PM Introduction & Welcome: Daniel Castro, Director, Center for Data Innovation

1:15 PM **Panel 1: Building Smart Communities**

Andel Koester (Associate Director of the What Works Cities, Results for America)

Preston Read (Senior Director for External Affairs, Verizon Smart Communities)

Archana Vemulapalli (Chief Technology Officer, District of Columbia)

Moderated by Joshua New (Policy Analyst, Center for Data Innovation)

A growing web of connected devices is creating myriad opportunities for government agencies to collect and analyze vast quantities of data to improve services, make better decisions, and automate bureaucratic processes. But while some early initiatives have proven successful, most communities still have a long way to go before they will have smart systems fully integrated at every level of government. What should local governments be doing to prepare for this more connected future? How should state and federal governments support local leaders? And how can policymakers ensure the benefits of smart communities are enjoyed by all citizens, from dense urban centers on the coasts to small towns in the rural heartland?

2:25 PM **Panel 2: Using AI to Automate Government**

Alec Chalmers (Director, Public Sector Vertical Sales, Amazon Web Services)

William Eggers (Executive Director, Center for Government Insights, Deloitte)

Justin Herman (Emerging Citizens Technology Program Lead, GSA)

Moderated by Daniel Castro (Director, Center for Data Innovation)

Advances in artificial intelligence (AI) are creating opportunities to boost productivity while increasing economic value, in part by automating routine processes and extracting insights from complex datasets. Where are the near-term opportunities to use AI in government, what will the impact be, and what steps do government executives need to take to integrate AI into their agencies to make them smarter, more efficient, and more effective than ever before?

3:35 PM **Coffee Break**

3:45 PM **Panel 3: Establishing Government as a Digital Leader**

Meagan Metzger (Founder and CEO, decode42)

David Bray (Executive Director, People-Centered Internet)

Andrew Trueblood, (Chief of Staff, DC Deputy Mayor for Planning and Economic Development)

Moderated by Daniel Castro (Director, Center for Data Innovation)

When it comes to technological adoption, government agencies too often are the laggards while the private sector sets the pace of change. But this does not have to be the case. How can the government claim the mantle of digital leadership by more rapidly embracing emerging technologies such as data analytics and the Internet of Things? How have some agencies managed to incorporate data-driven innovation into their missions, and how can others replicate their successes?

5:00 PM **Reception Hosted by StateScoop**



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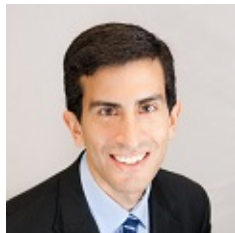
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SPEAKERS



David Bray: Dr. David A. Bray was named one of the top “24 Americans Who Are Changing the World” under 40 by Business Insider in 2016. He was also named a Young Global Leader by the World Economic Forum for 2016-2021. He also accepted a role of Co-Chair for an IEEE Committee focused on Artificial Intelligence, automated systems, and innovative policies globally for 2016-2017 and has been serving as a Visiting Executive In-Residence at Harvard University since 2015. He has also been named a Marshall Memorial Fellow for 2017-2018 and will travel to Europe to discuss Trans-Atlantic issues of common concern including exponential technologies and the global

future ahead. Since 2017, he serves as Executive Director for the People-Centered Internet coalition co-founded by Vint Cerf, focused on providing support and expertise for community-focused projects that measurably improve people's lives using the internet. He also provides strategy and advises start-ups espousing human-centric principles to technology-enabled decision making in complex environments. David passions include "near impossible missions" involving humans and technology in challenging circumstances. This included serving as the non-partisan Chief Information Officer for the Federal Communications Commission from 2013 to 2017. Through the efforts of a team of positive change agents, he led the transformation of the FCC's legacy IT with more than 207 different systems to award-winning tech. This included rolling-out new cloud-based IT that achieved results in 1/2 the time at 1/6 the cost. He was selected to be one of the "Fedscoop 50" for Leadership in 2014, 2015, and 2016 and the recipient of the Armed Forces Communications and Electronic Association's Outstanding Achievement Award for Civilian Government in 2015. Dr. Bray also received the global CIO 100 Award twice, which usually is awarded to private sector Fortune 500 companies, both in 2015 and 2017, for his transformational leadership in change-adverse settings.



Daniel Castro: Daniel Castro is the director of the Center for Data Innovation and vice president of the Information Technology and Innovation Foundation. Mr. Castro writes and speaks on a variety of issues related to information technology and internet policy, including data, privacy, security, intellectual property, internet governance, e-government, and accessibility for people with disabilities. His work has been quoted and cited in numerous media outlets, including The Washington Post, The Wall Street Journal, NPR, USA Today, Bloomberg News, and Businessweek. In 2013, Mr. Castro was named to FedScoop's list of “Top 25 most influential people under 40 in government

and tech.” In 2015, U.S. Secretary of Commerce Penny Pritzker appointed Mr. Castro to the Commerce Data Advisory Council. Mr. Castro previously worked as an IT analyst at the Government Accountability Office (GAO) where he audited IT security and management controls at various government agencies. He contributed to GAO reports on the state of information security at a variety of federal agencies, including the Securities and Exchange Commission (SEC) and the Federal Deposit Insurance Corporation (FDIC). In addition, Mr. Castro was a Visiting Scientist at the Software Engineering Institute (SEI) in Pittsburgh, Pennsylvania where he developed virtual training simulations to provide clients with hands-on training of the latest information security tools. He has a B.S. in Foreign Service from Georgetown University and an M.S. in Information Security Technology and Management from Carnegie Mellon University.



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Alec Chalmers: Alec is a director on the Amazon Web Services (AWS) Public Sector Team, where he manages a team of solution and strategy leaders focused on Health and Human Services, Justice and Public Safety, Transportation and the Internet of Things for state and local government customers. Alec also leads AWS' GovTech sales organization. Prior to AWS, Alec spent nine years in sales leadership positions at Adobe in their public sector and commercial sales organization. Most recently, Alec was the Group Vice President for Adobe's commercial health care organization. His other roles at Adobe included serving as their Vice President of National Government Solutions that included responsibility for their state and local government business as well as the U.S. Federal Health & Human Services, Justice, and Treasury Departments. Prior to joining Adobe, Alec was a Director at Symantec and Veritas software where he had responsibility for DoD and State, Local and Education sales. He started his career as an intelligence officer for the United States Navy and deployed out of Norfolk, VA. Alec graduated from the United States Naval Academy in Annapolis, MD where he received a Bachelor of Science in Political Science. He currently lives in Leesburg, VA with his wife, Maryanne, and their two children.



William Eggers: William Eggers is the Executive Director of Deloitte's Center for Government Insights where he is responsible for the firm's public sector thought leadership. His new book is *Delivering on Digital: The Innovators and Technologies that are Transforming Government* (Deloitte University Press, 2016). His eight other books include *The Solution Revolution: How Government, Business, and Social Enterprises are Teaming up to Solve Society's Biggest Problems* (Harvard Business Review Press 2013). The book, which *The Wall Street Journal* calls "pulsating with new ideas about civic and business and philanthropic engagement," was named to ten best books of the year lists. His other books include *The Washington Post* best seller *If We Can Put a Man on the Moon: Getting Big Things Done in Government* (Harvard Business Press, 2009), *Governing by Network* (Brookings, 2004), and *The Public Innovator's Playbook* (Deloitte Research 2009). He coined the term Government 2.0 in a book by the same name. His commentary has appeared in dozens of major media outlets including the *New York Times*, *Wall Street Journal*, and the *Chicago Tribune*. In addition, he is a former appointee to the Office of Management and Budget's Performance Measurement Advisory Council (PMAC) and former Director of the Texas Performance Review/ e-Texas initiative that was charged with developing recommendations to save tax dollars, increase the use of technology, improve customer service and inject competition into state services.



Justin Herman: Justin leads the U.S. General Services Administration's new Emerging Citizen Technology Office (ECTO), including government-wide support and coordination of Artificial Intelligence for Citizen Services, Blockchain, Virtual/Augmented Reality and Social Technologies. This program works with experts on emerging disruptive technologies that operationalize data and finds practical use cases for their application in government by engaging with more than 2,000 participants among agencies, industry, civic organizations and stakeholder communities. Recently ECTO analyzed hundreds of contributions from agencies and industry to build the U.S. Emerging Citizen Technology Atlas, a new open source, crowdsourcing platform which maps out federal initiatives in Artificial Intelligence for Citizen Services and Blockchain. He sits on the White House's National Science and Technology Council subcommittee for Machine Learning and Artificial Intelligence, and is dedicated to supporting the role of emerging technologies in federal Open Government initiatives.



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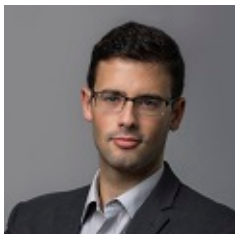
Andel Koester: Andel is Associate Director of What Works Cities, a Bloomberg Philanthropies initiative. She previously managed the Smarter Cities Challenge, a signature IBM philanthropic program, and IBM's City Forward, receiving awards from the US Department of Housing & Urban Development and USDA, the Committee Encouraging Corporate Philanthropy, and a Webby. Andel has built a career that bridges data, tech, and strategic communications across sectors, previously working with Personal Democracy Forum, the Bill and Melinda Gates Foundation, Goldman Sachs "10,000 Women" initiative, Obama for America, and the Pfizer Foundation, among

others. She has a Master in Public Policy from the Harvard Kennedy School of Government, a B.A. from Emory University, and was a Coro Fellow in Public Affairs in New York. She is a native Spanish speaker and is fluent in German and French.



Meagan Metzger: Meagan is the Founder and CEO of Dcode, an accelerator program to help technology companies break into the Federal Government market. Dcode is currently running a blockchain focused program to help agencies successfully implement these solutions. Prior to Dcode, Meagan served as Chief Operating Officer (COO) of a mobile and cloud government products and services company, helping to stand up and grow it by over 200% in its first two years. She previously served as Chief Strategy Officer (CSO) for government IT consulting firm, helping the company grow from \$500K in revenue to over \$12 million in only two years. The company was placed on

Washington Technology's Fast50 list, as one of the fastest growing small businesses in DC, for three years in a row. Meagan has worked closely with senior leadership across DoD and civilian agencies, providing hands-on support for the execution of multi-million-dollar IT programs and projects, ranging from \$1M - \$70M+ budgets. Meagan also currently serves as a mentor for startups through Springboard Enterprises, a network of innovators, investors and influencers who are dedicated to building high-growth technology-oriented companies led by women. Meagan also serves at the chair of a Career Advisory Board in the Athletic department at George Washington University, her alma mater, where she was a captain of the nationally ranked Division I gymnastics team.



Joshua New: Joshua New joined the Center for Data Innovation as a policy analyst in 2014. He has a background in government affairs, policy, and communication. Prior to joining the Center for Data Innovation, Joshua graduated from American University with degrees in C.L.E.G. (Communication, Legal Institutions, Economics, and Government) and Public Communication. His research focuses on methods of promoting innovative and emerging technologies as a means of improving the economy and quality of life.



Preston Read: Preston Read joined Sensity Systems in 2014, three years prior to the firm's acquisition by Verizon Communications. He led Sensity's go-to-market activities with alliance partner Cisco Systems, and he currently serves as Senior Director for External Affairs for Verizon's Smart Communities and Venues group. A longtime resident of Washington DC, Preston has over 25 years of smart community innovation experience as a local government manager, consultant, and trade association executive. He has worked for venture backed startups since 2008.



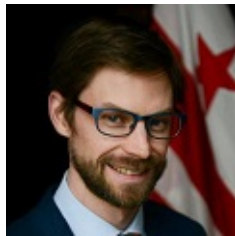
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Andrew Trueblood: Andrew Trueblood is the Chief of Staff at DC's Office of the Deputy Mayor for Planning and Economic Development (DMPED). He oversees the operations of the 80-person agency, its \$50 million budget and leads the executive oversight of 11 District agencies, including housing, transportation, regulatory, and creative agencies. He has worked on key Mayoral projects including the St. Elizabeth's Entertainment and Sports Arena, the retention of the headquarters of the Advisory Board Companies in DC, and the Mayor's affordable housing initiative. Prior to this role, Andrew was Deputy Chief of Staff, during which time he created DMPED's economic intelligence program that

focuses on market monitoring, operational analysis, and data reporting. Before joining the District Government, Andrew spent three years at the Consumer Financial Protection Bureau developing an analytics team to model consumer risk for financial institutions. He has also worked at Treasury's Community Development Financial Institution Fund standing up the Capital Magnet Fund for affordable housing and supporting the New Markets Tax Credit program. Prior to his federal government service, Andrew worked on redevelopment planning and finance for the DC Housing Authority. Andrew holds a Masters in City Planning from MIT and a B.A. from Princeton's Woodrow Wilson School of Public and International Affairs.



Archana Vemulapalli: Washington DC's Chief Technology Officer, Archana Vemulapalli oversees the district's central technology agency comprising of over 670 staff delivering services to 33,000 employees and district residents. This includes a state-of-the-art municipal broadband network with a 100-gig core, connecting 650 government buildings, serving government customers, the non-profit community and delivering free wi-fi in the city. She has established DC as a global leader in Smart City innovation, worked to improve efficiency and productivity of the District 40,000+ workforce, and champions progressive programs to ensure all residents have equitable access to city

services. She co-chairs the Council of Global City CIOs. Archana was the recipient of the Washingtonian Tech Titan Award (2017), StateScoop's Golden Executive of the Year Award (2017), StateScoop's Top Women in Tech Award (2017), DC Top 50 Women in Tech Award (2017), StateScoop's 50 Up and Comer Award (2016) and Washington Business Journal's Women Who Mean Business (2015) award. Ms. Vemulapalli has a master's degree in Leadership from Georgetown University and a master's degree in Telecommunications & Network Engineering from the University of Pennsylvania.