



**John P. Holdren** is Assistant to the President for Science and Technology, Director of the White House Office of Science and Technology Policy, and Co-Chair of the President's Council of Advisors on Science and Technology (PCAST). Prior to joining the Obama administration Dr. Holdren was Teresa and John Heinz Professor of Environmental Policy and Director of the Program on Science, Technology, and Public Policy at Harvard University's Kennedy School of Government, as well as professor in Harvard's Department of Earth and Planetary Sciences and Director of the independent, nonprofit Woods Hole Research Center. Previously he was on the faculty of the University of California, Berkeley, where he co-founded in 1973 and co-led until 1996 the interdisciplinary graduate-degree program in energy and resources. During the Clinton administration Dr. Holdren served as a member of PCAST through both terms and in that capacity chaired studies requested by President Clinton on preventing theft of nuclear materials, disposition of surplus weapon plutonium, the prospects of fusion energy, U.S. energy R&D strategy, and international cooperation on energy-technology innovation.

**Farnam Jahanian** serves as the National Science Foundation Assistant Director for the Computer and Information Science and Engineering (CISE) Directorate. He guides CISE in its mission to uphold the nation's leadership in scientific discovery and engineering innovation through its support of fundamental research in computer and information science and engineering and transformative advances in cyberinfrastructure. Dr. Jahanian oversees the CISE budget of over \$850 million, directing programs and initiatives that support ambitious long-term research and innovation, foster broad interdisciplinary collaborations, and contribute to the development of a computing and information technology workforce with skills essential to success in the increasingly competitive, global market. He also serves as co-chair of the Networking and Information Technology Research and Development (NITRD) Subcommittee of the National Science and Technology Council Committee on Technology, providing overall coordination for the activities of 19 government agencies. Dr. Jahanian holds the Edward S. Davidson Collegiate Professorship in Electrical Engineering and Computer Science at the University of Michigan, where he served as Department Chair for Computer Science and Engineering from 2007 - 2011 and as Director of the Software Systems Laboratory from 1997 - 2000. Earlier in his career, he held research and management positions at the IBM T.J. Watson Research Center.





**Thomas Kalil** is currently serving as the Deputy Director for Technology and Innovation for the White House Office of Science and Technology Policy and senior advisor for science, technology and innovation for the National Economic Council. From 2001 to 2008, Mr. Kalil was Special Assistant to the Chancellor for Science and Technology at UC Berkeley. He was responsible for developing major new multi-disciplinary research and education initiatives at the intersection of information technology, nanotechnology, microsystems, and biology. He also conceived and launched a program called "Big Ideas @ Berkeley," which provides support for multidisciplinary teams of Berkeley students that are interested in addressing economic and societal challenges such as clean energy, safe drinking water, and poverty alleviation. Previously, Mr. Kalil served as the Deputy Assistant to President Clinton for Technology and Economic Policy, and the deputy director of the White House National Economic Council. He led a number of White House technology initiatives, such as the National Nanotechnology Initiative, the Next Generation Internet, bridging the digital divide, e-learning, increasing funding for long-term information technology research, making IT more accessible to people with disabilities, and addressing the growing imbalance between support for biomedical research and for the physical sciences and engineering.

**David Logsdon** is the Senior Director, Federal Civil, Public Sector, for TechAmerica. In this capacity, he handles a number of issues for the Association, including aviation, space, federal civil agencies, administration initiatives such as the Open Data Policy, the TechAmerica Foundation Federal CIO Survey, cloud, and Big Data. Logsdon also currently serves on the Department of Commerce International Trade Advisory Committee on Aerospace. Prior to his time at TechAmerica, Logsdon ran the Space Enterprise Council, based at the US Chamber of Commerce. During his time at the Chamber, Logsdon served on the National Space-Based Positioning, Navigation, and Timing (PNT) Advisory Board, providing independent guidance to both the Secretary of Defense and Secretary of Transportation on GPS-related policy, planning, program management, and funding profiles in relation to the current state of national and international satellite navigation services. Logsdon also spent time at the Aerospace Industries Association where he was second in command for the Association's Space Council. Logsdon holds a master's degree from the George Washington University Graduate School of Political Management in political management and a bachelor's degree from the University of Delaware in criminal justice.





**Chris Mentzel** is a Program Officer for the Gordon and Betty Moore Foundation's Data-Driven Discovery Initiative, which he developed to enable scientists to turn the scientific data deluge into opportunities to address some of today's most important research questions. Previously, he led the grants administration department and also worked as senior network engineer for the foundation. Chris has also held positions as a systems engineer and integrator at the University of California, Berkeley, and at various Internet consulting firms in the Bay Area. An active member of the broader eScience, big data and open science communities, Chris serves on a number of advisory boards and program committees and speaks frequently at conferences and workshops on topics related to data-driven research. He also finds time to engage in more direct technology development by teaching, coaching and consulting on new venture/nonprofit strategy and management. Chris received his B.A. in mathematics from the University of California, Santa Cruz, and is currently pursuing an M.S. in management science and engineering at Stanford University.

**Joshua M. Greenberg** is director of the Alfred P. Sloan Foundation's Digital Information Technology program. Dr. Greenberg received his Bachelor of Arts in History of Science, Medicine and Technology from the Johns Hopkins University, and both Masters and Doctoral degrees from Cornell University's Department of Science & Technology Studies. After completing his graduate work, Dr. Greenberg worked as Associate Director for Research Projects at George Mason University's Center for History and New Media, as well as Research Assistant Professor in the University's Department of History and Art History. At CHNM, he co-founded the Zotero project, developed and promoted ways of using the Internet to further historical research, and helped build several systems that eventually evolved into the content management platform Omeka. Immediately prior to joining the Foundation, Dr. Greenberg was the New York Public Library's first Director of Digital Strategy and Scholarship, where he developed and led a digital strategy centered on building online visitors and deepening engagement through access to collections both on Library websites and third-party platforms and increased exposure to staff expertise via blogs and other social media.

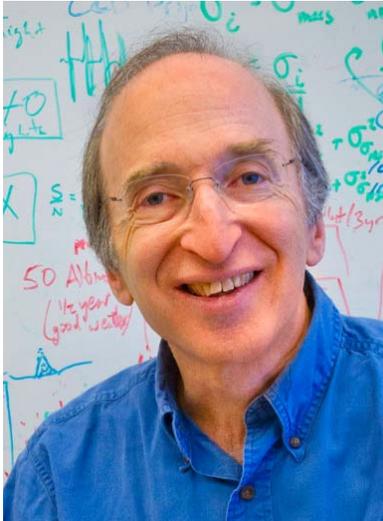




**Ed Lazowska** holds the Bill & Melinda Gates Chair in Computer Science & Engineering at the University of Washington. He also serves as the Founding Director of the University of Washington eScience Institute, and as the Founding Chair of the Computing Community Consortium. Lazowska received his A.B. from Brown University in 1972 and his Ph.D. from the University of Toronto in 1977, when he joined the University of Washington faculty. Lazowska's research and teaching concern the design, implementation, and analysis of high performance computing and communication systems, and, more recently, the techniques and technologies of data-intensive science. In recognition of his research accomplishments, Lazowska has been elected a Member of the National Academy of Engineering, a Fellow of the American Academy of Arts & Sciences, and a Fellow of the Association for Computing Machinery, the Institute of Electrical and Electronics Engineers, and the American Association for the Advancement of Science. In addition, he has received the Vollum Award for Distinguished Accomplishment in Science and Technology from Reed College, and the University of Washington Computer Science & Engineering Undergraduate Teaching Award.

**Yann LeCun** is Silver Professor of Computer Science and Neural Science at the Courant Institute of Mathematical Sciences and at the Center for Neural Science of New York University. He received an Electrical Engineer Diploma from Ecole Supérieure d'Ingénieurs en Electrotechnique et Electronique (ESIEE), Paris in 1983, and a PhD in Computer Science from Université Pierre et Marie Curie (Paris) in 1987. After a postdoc at the University of Toronto, he joined AT&T Bell Laboratories in Holmdel, NJ, in 1988. He became head of the Image Processing Research Department at AT&T Labs-Research in 1996, and joined NYU in 2003, after a brief period as Fellow at the NEC Research Institute in Princeton. His current interests include machine learning, computer vision, pattern recognition, mobile robotics, and computational neuroscience. He has published over 150 technical papers on these topics as well as on neural networks, handwriting recognition, image processing and compression, and VLSI design. He has been on the editorial board of IJCV, IEEE PAMI, IEEE Trans on Neural Networks, was program chair of CVPR'06, and is chair of the annual Learning Workshop. He is on the science advisory board of Institute for Pure and Applied Mathematics, and is the co-founder of MuseAmi, a music technology company..





**Saul Perlmutter** is a 2011 Nobel Laureate, sharing the prize in Physics for the discovery of the accelerating expansion of the Universe. He is a professor of physics at the University of California, Berkeley, where he holds the Franklin W. and Karen Weber Dabby Chair, and a senior scientist at Lawrence Berkeley National Laboratory. He is the leader of the international Supernova Cosmology Project, and director of the Berkeley Center for Cosmological Physics. He graduated from Harvard magna cum laude in 1981, and received his PhD from UC Berkeley in 1986. In addition to other awards and honors, he is a member of the National Academy of Sciences and the American Academy of Arts and Sciences and a fellow of the American Physical Society and the American Association for the Advancement of Science. Perlmutter has also written popular articles, and has appeared in numerous PBS, Discovery Channel, and BBC documentaries. His interest in teaching scientific approaches to problem-solving for non-scientists led to Berkeley courses on Sense and Sensibility and Science and Physics & Music.

**Marjorie Censer** came to the Washington Post and its local business publication Capital Business in April 2010 to cover government contracting. She previously worked as managing editor of Inside the Army, an independent newsletter that covers Army procurement, budget and policy issues. She also worked as a reporter at the Carroll County Times in Westminster, MD, and the Princeton Packet in Princeton, N.J. A Fairfax native, she graduated from Princeton University.



**danah boyd** is a Principal Researcher at Microsoft Research, a Research Assistant Professor in Media, Culture, and Communication at New York University, and a Fellow at Harvard's Berkman Center for Internet and Society. Her research examines the intersection of technology, society, and youth culture. Currently, she's focused on research questions related to "big data", privacy and publicity, youth meanness and cruelty, and human trafficking. She co-authored "Hanging Out, Messing Around, and Geeking Out: Kids Living and Learning with New Media." Her new book "It's Complicated: The Social Lives of Networked Teens" (Yale University Press) will be in stores in February 2014.



**Jake Porway** is a machine learning and technology enthusiast who loves nothing more than seeing good values in data. He is the founder and executive director of DataKind, an organization that brings together leading data scientists with high impact social organizations to better collect, analyze, and visualize data in the service of humanity. Jake was most recently the data scientist in the New York Times R&D lab and remains an active member of the data science community, bringing his technical experience from his past work with groups like NASA, DARPA, Google, and Bell Labs to bear on the social sector. Jake's work has been featured in leading academic journals and conferences (PAMI, ICCV), the Guardian, the Stanford Social Innovation Review, and he has been honored as a 2011 PopTech Social Innovation Fellow, a 2012 National Geographic Emerging Explorer, and a 2012 Diplomatic Courier 99 under 33 in Foreign Policy awardee. He holds an adjunct professorship in NYU's ITP program where he teaches introductory data analysis and is a faculty at large in the School of Visual Art's Design for Social Innovation program. He holds a B.S. in Computer Science from Columbia University and his M.S. and Ph.D. in Statistics from UCLA and can be seen on National Geographic Channel as the host of the Numbers Game.

**Annika Jimenez** is a seasoned leader of analytics initiatives, coming to Pivotal after over six years in data leadership roles at Yahoo! At Pivotal since April 2011, she has built the “Data Science Dream Team” – an industry-leading group of Data Scientists – representing a rich combination of vertical domain and horizontal analytical expertise – who are facilitating Data Science-driven transformations for Pivotal customers. During her time at Yahoo!, she led Audience and International data solutions for Yahoo!’s central data organization, Strategic Data Solutions, and led Insights Services – comprised of a team of 40 researchers covering Web analytics, satisfaction/brand health metrics, and audience/ad measurement. Annika is a recognized evangelist for “applied data” and well known for her acute focus on action-enablement.





**Dave McQueeney** is Vice President, Technical Strategy & Worldwide Operations at IBM Research. Dave is responsible for setting the direction of IBM's overall Research Strategy across twelve worldwide labs and leading the global operations and information systems teams. In this capacity, Dave leads the annual creation of the Global Technology Outlook, 3 - 10 year technology projections which guide IBM's R&D directions along with its acquisition strategies. Dave's background covers a wide range of disciplines ranging from solid state Physics, to high-speed interconnect design, to distributed software development tools, to participation in a startup software company in Scientific Data Analysis, to Government-specific industry solutions. Dave has spent about half of his career as a researcher and research executive, and half in IBM's customer-facing units including Global Services, Sales and Distribution and Software Group. Dave has been the CTO for IBM's Federal business, the Global Government Solutions General Manager and leader of the IBM Federal Systems Integration services unit.

**Michael P. Flowers** is the Analytics Director for New York City Mayor Michael R. Bloomberg's Office of Policy and Strategic Planning. Mr. Flowers leads a team of data scientists in analyzing city data from over 20 city agencies to allocate its resources quickly and efficiently to prevent fire, crime, safety hazards, and unhealthy conditions. Prior to joining the Bloomberg Administration, Mr. Flowers was Counsel to the U.S. Senate Permanent Subcommittee on Investigations for the 110th and 111th Congress, where he led bipartisan investigations into off-shore tax haven abuses; failures in the mortgage-backed securitization market by U.S. investment and commercial banks and government agencies; and deceptive financial transactions by foreign governments. From March 2005 to December 2006, Mr. Flowers was Deputy Director of DOJ's Regime Crimes Liaison's Office in Baghdad, Iraq, supporting the investigations and trials of Saddam Hussein and other high-ranking members of his regime. From 2003 to 2005, Mr. Flowers was with Williams & Connolly LLP in Washington D.C., specializing in federal, state and local criminal investigations and regulatory actions. After a clerkship in federal district court in Philadelphia, Mr. Flowers began his career as a prosecutor with the Manhattan District Attorney's Office in 1999.





**George O. Strawn** is the Director of the Federal Networking and Information Technology Research and Development (NITRD) National Coordination Office (NCO). He also serves as the Co-chair of the NITRD Subcommittee of the National Science and Technology Council (NSTC) Committee on Technology (CoT), where he oversees the operations and activities of the NITRD Program. The NCO reports to the Office of Science and Technology Policy (OSTP), Executive Office of the President. Dr. Strawn is on assignment to the NCO from the National Science Foundation (NSF), where he most recently served as Chief Information Officer (CIO). Prior to coming to NSF, Dr. Strawn was a Computer Science faculty member at Iowa State University (ISU) for a number of years. He also served there as Director of the ISU Computation Center and Chair of the ISU Computer Science Department. Under his leadership, ISU became a charter member of MIDNET, a regional NSFNET network; he led the creation of a thousand-workstation academic system based on an extension of the MIT Athena system; and the ISU Computer Science department was accredited by the then-new Computer Science Accreditation Board. Dr. Strawn received his Ph.D. in Mathematics from Iowa State University and his BA Magna Cum Laude in Mathematics and Physics from Cornell College. He was elected as a Fellow of AAAS in October 2012.