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## SEMI-ANNUAL LEADERSHIP WORKSHOP

5 – 8 MAY 2018  
WASHINGTON, DC

SPEAKER  
BIOGRAPHIES



## BILLY M. WILLIAMS

*Vice President for Ethics, Diversity and Inclusion, AGU*

Billy M. Williams serves as Vice President for Ethics, Diversity and Inclusion at the American Geophysical Union. He is responsible for leading AGU Ethics programs, including developing and implementing resources for addressing harassment and related work-climate issues in the scientific community and the start-up of the AGU Ethics Center. Prior to joining AGU as Science Director in 2012, Williams served as a Global Research and Development Director at the Dow Chemical Company; as President of Alexandria Partners; and as a Senior Program Officer at the National Academy of Sciences.



Williams was Principal Investigator and lead organizer for the September 2016 NSF funded workshop *Sexual Harassment in the Sciences: A Call to Respond*, cosponsored by the American Geophysical Union, the American Association for the Advancement of Science, the American Chemical Society, the American Geosciences Institute, the Earth Science Women's Network and the Association for Women Geoscientists. He is currently a member of the *National Academies Committee on Addressing Sexual Harassment in Academic STEM*; a member of the AAAS SEA Change Advisory Board, and a co-Principal Investigator on the July 2017 NSF ADVANCE award *"From the Classroom to the Field: Improving the Workplace in the Geosciences."*

## GREGG T. BECKHAM

*Group Leader, National Renewable Energy Lab*

Gregg T. Beckham is a Group Leader at National Renewable Energy Laboratory (NREL). He received his PhD in Chemical Engineering at MIT in 2007. He currently leads and works with an interdisciplinary team of biologists, chemists, and engineers at the National Renewable Energy Laboratory on conversion of biomass to fuels, chemicals, and materials including in metabolic engineering, fermentation, separations, catalysis, biopolymer and carbon fiber production, and lignin valorization.





## DEBORAH A. BRONK

*President and CEO; Senior Research Scientist, Bigelow Laboratory*

Deborah Bronk joined Bigelow Laboratory in February 2018 as its president and CEO.

With more than two decades of experience as a professor and an oceanographer Bronk has conducted more than 50 research cruises and field studies in freshwater and marine environments that stretch from pole to pole.

Most recently, Deborah was the Moses D. Nunnally Distinguished Professor of Marine Sciences and department chair at Virginia Institute of Marine Sciences. She previously served as division director for the National Science Foundation's Division of Ocean Science and as president of the Association for the Sciences of Limnology and Oceanography.

Her research is all about NITROGEN! She is interested in ways that nitrogen controls the growth of the microscopic organisms at the base of the food web in open-ocean, coastal, and estuarine environments. Her early work involved extensive method development with the goal of finding ways to measure how quickly phytoplankton and bacteria take up and release nitrogen, particularly the dissolved organic nitrogen (DON) fraction (compounds like urea or amino acids). She now uses these techniques to address a host of questions relating to the release of DON from phytoplankton and zooplankton and subsequent reincorporation of DON as a nitrogen source for phytoplankton and bacteria. More recently she has started working on DON in effluent finding it to be surprising how cool waste water treatment plants can be!

Dr. Bronk received her Ph.D. in Marine Estuarine and Environmental Sciences, from Horn Point Laboratory, University of Maryland, College Park, MD. She received her B.S. in Biology and Marine Science from the University of Miami, Miami, FL.



## YUHUANG WANG

*Professor of Chemistry, University of Maryland College Park*

YuHuang Wang is a Professor of Chemistry at the University of Maryland, College Park. His research group focuses on developing innovative chemistry, materials, and instrumentation to address fundamental problems in energy, biomedicine and quantum electronics. He is the author of more than 90 manuscripts and 20 patents and applications in the areas of carbon nanotechnology, molecular printing, and energy technology.

Dr. Wang received a B.S. degree in chemistry from Xiamen University, China. He did his Ph.D. studies with Nobel Laureate Richard E. Smalley at Rice University, where he demonstrated the feasibility to clone single-walled carbon nanotubes by epitaxy and contributed to the development of the first macroscopic, neat, single-walled carbon nanotube fiber, an electrically conductive rival of Kevlar. He then joined the laboratory of Chad A. Mirkin at Northwestern University as a postdoctoral fellow, where he invented massively parallel dip-pen nanolithography and developed a fundamental understanding of directed assembly and manipulation of nanostructures through molecular templates. He joined the Maryland faculty in fall 2008 and has been a full professor since 2017.

## JEFFREY S. TENENBAUM, ESQ.



Jeff Tenenbaum is one of the nation's leading nonprofit attorneys, and also is an accomplished author, lecturer, and commentator on nonprofit legal matters. Presently Senior Counsel in the Washington, DC office of the Lewis Baach Kaufmann Middlemiss PLLC law firm, Jeff counsels his clients on the broad array of legal issues affecting charities, foundations, international NGOs, trade and professional associations, arts and cultural institutions, and other nonprofit organizations. He is frequently called upon by major media outlets to provide commentary on news stories involving nonprofit legal issues and developments. For 19 years, Jeff practiced law at Venable LLP in Washington, DC and chaired its nonprofit practice for most of that time, and also served on its Board of Directors for many years. He started his career in the nonprofit community by serving as Legal Section manager at the American Society of Association Executives (ASAE), following several years working on Capitol Hill.

Jeff was the 2006 recipient of the American Bar Association's Outstanding Nonprofit Lawyer of the Year Award, and was an inaugural (2004) recipient of the *Washington Business Journal's* Top Washington Lawyers Award. He has and continues to be one of only a handful of "Leading Lawyers" in the prestigious U.S. Legal 500 Not-for-Profit rankings for the last six years (2012-17) and is one of only three lawyers in the U.S. Legal 500 Not-for-Profit "Hall of Fame." Jeff also is listed in the 2012-18 editions of *The Best Lawyers in America* for Non-Profit/Charities Law, was selected for inclusion in the 2014-18 editions of *Washington, DC Super Lawyers* in the Nonprofit Organizations category, and is the recipient of numerous other awards and honors.

Jeff is the author of the book, *Association Tax Compliance Guide*, published by ASAE, and is a frequent author on nonprofit legal topics, having written or co-written more than 1,000 articles. He also is a frequent lecturer on nonprofit legal topics, having delivered or moderated over 850 speaking presentations. Jeff is an active participant in the nonprofit community who currently serves as a contributing editor to *The NonProfit Times*, on the Advisory Panel of Wiley/Jossey-Bass' *Nonprofit Business Advisor* newsletter, and on ASAE's Public Policy Committee. He served on the Selection Panel for *CEO Update's* Association Leadership Awards for its first four years.



## JOHN A. DOWNING

Director and Professor, Minnesota Sea Grant College Program and Dept. of Biology  
Swenson College of Science and Engineering

John Downing is Director of Minnesota Sea Grant College Program, and a past-president of the Association for the Sciences of Limnology and Oceanography (ASLO). As a past Chair of the CSSP Executive Board he participated in visits to Congress on behalf of CSSP and as a member of the Consortium of Aquatic Science Societies. He was a Regent's Excellence Professor of Ecology, Evolution, and Organismal Biology, and the Department of Agricultural and Biosystems Engineering at Iowa State University. He is Chair of the Environmental Science Graduate Program. He is also an adjunct professor at Itasca Community College where he is helping create a water quality technology program to provide employment opportunities to students in an economically depressed region. His research interests include limnology, aquatic ecology, terrestrial ecology, microbial ecology, biogeochemistry, population conservation, and whole ecosystem restoration and management. He has advised many policy-makers and citizens groups concerning water resources, global change, and global carbon cycling as well as science policy, and science education, and is a frequent consultant to firms and boards regionally, nationally, and internationally. He was formerly a professor at McGill University and the University of Montreal where he was Director of the Laurentian Biological Station and Chair of the Natural Sciences and Engineering Research Council panel on Environment, Evolution & Ecology.

## C. DAVID GAMMEL, CAE

*Executive Director, Entomological Society of America*

Mr. Gammel is the Executive Director of the Entomological Society of America, headquartered in Annapolis, Maryland, USA. Gammel is a recognized thought leader in the

association industry and currently serves on the boards of directors for the American Society of Association Executives and the Council of Engineering and Scientific Society Executives. Prior to working with ESA, Gammel was a consultant and served as an executive at the American Speech-Language-Hearing Association and the Employee Relocation Council. He is the author of two books: *Maximum Engagement: Moving Members, Donors, and Customers to Ever-Increasing Levels of Participation and Online and On Mission: Practical Web Strategy for Breakthrough Results*. Gammel has a Master of Arts in International Communication from American University in Washington, DC, and a Bachelor of Arts in International Studies from Miami University of Ohio.



## DIANE SOUVAINE

*Vice Chair, National Science Board*

Dr. Diane L. Souvaine, Professor of Computer Science and Adjunct Professor of Mathematics, has been a member of the Tufts University faculty since 1998. She served as Vice Provost for Research from 2012-2016, Senior Advisor to the Provost from 2016-2017, and Chair of the Department of Computer Science from 2002-2009.



Prior to Tufts, Dr. Souvaine was a member of the Rutgers University faculty for 12 years. During her tenure at Rutgers, she served for 2.5 years in the Directorate of NSF's Science and Technology Center for Discrete Mathematics and Theoretical Computer Science (DIMACS), a groundbreaking academic/industry collaboration of Princeton, Rutgers, Bell Labs and Bellcore.

Dr. Souvaine's research contributions range from solving challenging problems in computational geometry to practical application across disciplines. Her work extended the results of straight-edged computational geometry into the curved world. Visibility, triangulations and geometric graphs represent another focus of Dr. Souvaine's research as does the application of computational geometry to statistics. Her research led to consulting engagements with corporations such as Exxon Chemical Research, IBM and Pfizer.

Elected Vice Chair in 2016, Dr. Souvaine is in her second term on the National Science Board to which she was appointed in 2008 and 2014. She has chaired NSB's Committee on Strategy and Budget and its Committee on Programs and Plans, and served on its Committee on Audit and Oversight, all of which provide strategic direction, and oversight and guidance on NSF projects and programs.

In addition to her scientific and policy contributions, Dr. Souvaine is dedicated to increasing diversity and advancing women and underrepresented groups in mathematics, science, and engineering and works to enhance pre-college education in mathematics and computational thinking.

Dr. Souvaine is a Fellow of the American Association for the Advancement of Science (AAAS) and of the Association for Computing Machinery (ACM), and was a 2005-2006 Fellow of the Radcliffe Institute for Advanced Study. Among many other accomplishments, she was the recipient of the 2008 Lillian and Joseph Leibner Award for Outstanding Teaching and Mentoring.

## PATRICIA SIMMONS

*Science & Technology Policy Fellow, AAAS*

Patricia Simmons is currently a Science & Technology Policy Fellow at the American Association for the Advancement of Science, working in the Engineering Directorate at the National Science Foundation. Her academic positions have included Professor and Head of the Department of STEM Education at North Carolina State University, the Orthwein Professorship of Life-long Learning in the Sciences at the University of Missouri-St. Louis, Professor at the University of Georgia, and High School Science Teacher in Missouri. Much of her scholarship has focused on the role of technology as viable and valuable learning and research tools in science education, and more recently on policy in science and STEM education. Her professional contributions include more than 200



publications and presentations at international and national meetings in science and STEM education (i.e., World Conference on Computers in Education, International Federation for Information Processing, Australian Science Education Association, AAAS, NARST, AERA, NCTM, Taiwanese K-9 Science Education Conference, International Institut für die Pädagogie der Naturwissenschaften, Siemens Foundation Panel on Eliminating Disparity/Encouraging Diversity in STEM, National Forum on Education, STEM Education Roundtable on the Role of Higher Education, Association for Information Technologies, Journal of Research in Science Teaching, Science Education, The Science Teacher). Simmons was awarded over \$50 million in externally funded federal and private grants for research, teacher education, and education projects. Simmons has served as Chair of the Council of Scientific Society Presidents, President of the National Science Teachers Association, and President of the Association for Science Teacher Education. She received awards for excellence in teaching and in science education at UGA (Lily Teaching Fellowship), UMSL (Outstanding Faculty), ASTE (Outstanding Science Teacher Educator), and NSTA (two Gustav Ohaus Awards for Outstanding College Science Teaching), and the NSTA Distinguished Service to Science Education.

## LATREASE GARRISON

*Executive Vice President, Education*

LaTrea E. Garrison received her B.S. in chemistry from Howard University and completed her M.B.A degree at Strayer University where her research focused on succession planning for the non-profit organization.

LaTrea joined ACS in 1992 as a Program Assistant for *Chemical & Engineering News* magazine. In 1996 she moved to the Education Division where she held several positions including Senior Program Manager of Undergraduate Programs. In 2005 she was appointed to the position of Special Assistant to the Director of the Education Division. LaTrea previously served as the Assistant Director of the Member Communities/ Department of Volunteer Support and Director of the Administrative and Programmatic Technology group and the Professional Advancement Team. She has also served as staff liaison to various ACS Committees and Task Forces and is a trained facilitator for courses within the ACS Leadership Development System



## DARCY GENTLEMAN

*Principal, DJG Communications, LLC*

Darcy J. Gentleman, Ph.D., principal of DJG Communications LLC, has over 15 years' experience in communications and specializes in helping technical experts engage non-technical audiences. Darcy has coached over 100 speakers to deliver "TED"-style talks and worked with a variety of presenters from the academic,



governmental, and private sectors including: Arizona State University, the National Academy of Sciences (NAS), the Smithsonian Institution, and SpaceX. In various roles at the American Chemical Society over nearly a decade, Darcy planned and executed 55 congressional policy briefings, developed and managed a communications contest for younger scientists, contributed to YouTube videos for "Reactions", and was the managing editor for peer-reviewed journals *Environmental Science & Technology* and the *Journal of Agricultural and Food Chemistry*. Previously he wrote about bionanotechnology and also climate change and lectured undergraduate chemistry at the University of Toronto. Darcy is an alumnus of The Banff Center's Science Communications program (2008) and attended the Summer Institute at The Alan Alda Center for Communicating Science (2014). He has a Ph.D. and M.S. in analytical chemistry from Arizona State University (2003, 2001) and an Hon. B.Sc. in planetary science and also chemistry from the University of Toronto (1999).



## ERIKA SHUGART

*CEO, American Society for Cell Biology*

Erika Shugart, PhD, is ASCB's Chief Executive Officer. Shugart was previously the Director of Communications and Marketing Strategy at the American Society for

Microbiology, overseeing media relations, digital communications, marketing, a membership magazine, and public outreach. Between 2003 and 2013, Shugart was Deputy Director of the Marian Koshland Science Museum of the National Academy of Sciences (NAS) where she developed new digital exhibitions, online interactive experiences, and other innovative media programs for the new museum, which opened in 2004. Prior to joining the museum staff, Shugart directed the NAS's Office on Public Understanding of Science, managing several projects including the article series *Beyond Discovery*. Shugart began her career at the National Research Council as an intern with the Board on Biology, moving on to become a program analyst at the NIH National Institute of Allergy and Infectious Diseases. She received her PhD in biology from the University of Virginia where her research centered on adipocyte development.

Shugart has been recognized as a leader in the field of science communication. In 2010, she was elected as a Fellow of the American Association for the Advancement of Science (AAAS) for distinguished contributions and leadership in public understanding and engagement in science. She was a AAAS Noyce Leadership Fellow from 2012–2013. In 2007, she was named an Individual Distinguished Service Award winner by the NAS.

## LAYNE SCHERER



*Program Officer Board on Higher Education and Workforce National Academies of Sciences, Engineering, and Medicine*

Layne Scherer is a program officer with the Board on Higher Education and Workforce at the National Academies of Sciences, Engineering, and Medicine. She currently serves as the study director for the Committee on Revitalizing Graduate STEM Education for the 21st Century, a study chaired by Dr. Alan Leshner. Prior to joining the Academies,

Scherer supported strategic initiatives, conducted program analysis, and managed cross-agency partnerships for the Office of the Assistant Director for Education and Human Resources at the National Science Foundation. She served as the National Science and Technology Council Executive Secretary for the Federal Coordination in Science, Technology, Engineering, and Mathematics Task Force responsible for overseeing the governance and communication between fifteen participating agencies working to improve federal investment in STEM education. As a result of the cross-agency work, Scherer developed an interest in performance management and completed training as a group facilitator and graphic recorder from the Performance Improvement Council.

She earned her M.P.P from the Gerald R. Ford School of Public Policy at the University of Michigan and focused her studies on education policy, non-profit management, and quantitative analysis. Scherer earned her B.A. from the University of Michigan. Outside of work, she is committed to the development of women's sports and is an assistant coach for the women's ultimate Frisbee team at Catholic University of America.



## ERICA GOLDMAN

*Director of Policy Engagement, COMPASS*

Erica Goldman is the Director of Policy Engagement at COMPASS, a non-profit, non-partisan organization that helps scientists build communication skills and engage effectively in the public discourse on the environment. In this role, she helps bring relevant science to the policy dialogue by coaching scientists and by organizing briefings and targeted meetings at the federal and regional levels. In 2015, she served in a short-term assignment in the White House Council on

Environmental Quality. Erica has a varied background that includes science writing, policy, and academic research; She received her Ph.D. in biology from the University of Washington. Erica has also worked as a science writer for Maryland Sea Grant, served as a Knauss Fellow in the House Resources Committee, Subcommittee on Fisheries, Wildlife, and Conservation, and worked as a news intern at *Science Magazine*. She draws inspiration from connections to the natural world and has been lucky enough to experience a number of unusual ecosystems first hand — such as Antarctica, the deep-sea hydrothermal vents of the eastern Pacific, and Lake Baikal in Siberia.

## LIANGBING HU

*Associate Professor, Materials Science and Engineering, University of Maryland College Park*

Liangbing Hu is an associate professor at University of Maryland College Park. His research interests include nanomaterials and nanostructures, roll-to-roll nanomanufacturing, energy storage focusing on solid-state batteries and Na ion batteries, and printed electronics. He has published over 250 research papers (including *Science* and *Nature* in 2018) and given more than 80 invited talks. He received many awards, including: the Nano Letters Young Investigator Lectureship (2017), Office of Naval Research Young Investigator Award (2016), ACS Division of Energy and Fuel Emerging Investigator Award (2016), SME Outstanding Young Manufacturing Engineer Award (2016), University of Maryland Junior Faculty Award (School of Engineering, 2015), 3M Non-tenured Faculty Award (2015), Maryland Outstanding Young Engineer (2014), University of Maryland Invention of Year (2014 Physical Science), Campus Star of the American Society for Engineering Education (2014), Air Force Young Investigator Award (AFOSR YIP, 2013).

Liangbing Hu received his B.S. in physics from the University of Science and Technology of China (USTC) in 2002, where he worked with Prof Yuheng Zhang on colossal magnetoresistance (CMR) materials for three years. He did his Ph.D. in at UCLA (with George Gruner), focusing on carbon nanotube based nanoelectronics (2002-2007). In 2006, he joined Unidym Inc as a co-founding scientist. At Unidym, Liangbing's role was the development of roll-to-roll printed carbon nanotube transparent electrodes and device integrations into touch screens, LCDs, flexible OLEDs and solar cells. He worked at Stanford University (with Yi Cui) from 2009-2011, where he work on various energy devices based on nanomaterials and nanostructures.

Dr. Hu is the (founding) director of the Center for Advanced Center for Advanced Renewable Biomaterials (CRAB) at the University of Maryland College Park. He is also the Co-founder of Inventwood Inc. with efforts to further commercialize the aforementioned cellulose nanotechnologies.



## PETER MCPHERSON

*President, Association of Public and Land-Grant Universities*

Peter McPherson became president of the Association of Public and Land-grant Universities (APLU) in 2006. Before assuming leadership of the nation's oldest higher education association, his career spanned a wide array of positions at the highest levels of academia, government, and the private sector.



During his tenure at APLU, the association has significantly expanded its focus to include projects and initiatives well beyond the scope of a typical trade association. APLU has extended the focus of its work to comprise not just government, media, and member relations, but also initiatives that drive innovation across public higher education. These efforts are aimed at boosting degree completion, enhancing transparency and accountability, and expanding community and economic engagement. McPherson has also bolstered APLU's work in university-based research advocacy and its leadership in agricultural education and research.

At APLU, McPherson has helped lead the development of several key cross-association initiatives, including Project Degree Completion, the Student Achievement Measure, and the Voluntary System of Accountability. APLU's work aims to: expand access and improve student success to deliver the next-generation workforce; advance and promote research and discovery to improve society and foster economic growth; and build healthy, prosperous, equitable, and vibrant communities. Annually, APLU member campuses enroll 4.8 million undergraduates and 1.3 million graduate students, award 1.2 million degrees, employ 1.3 million faculty and staff, and conduct \$43.1 billion in university-based research.

McPherson's extensive experience has included high level private sector positions as well serving in more than one Presidential administration. Recipient of numerous awards, including, but not limited to the U. S. Presidential Certificate of Outstanding Achievement, the Secretary of State Distinguished Leadership Award, the Secretary of Treasury Alexander Hamilton Award, McPherson received his BA from Michigan State University, his MBA from Western Michigan University and his JD from American University, along with receiving multiple honorary degrees from several universities.

## ADAM LOVINGER

*Adjunct Professor, Georgetown University*

Adam S. Lovinger works as a strategist in the Pentagon's Office of Net Assessment (ONA) providing direct support on long-term strategy to the Secretary of Defense. He is also an adjunct professor at Georgetown University's Walsh School of Foreign Service, McCourt School of Public Policy and McDonough School of Business. Working from within the Office of the Secretary of Defense (OSD) since 2004, Mr. Lovinger conducts diagnostic

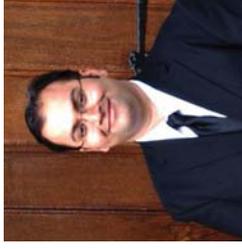
analyses highlighting emerging strategic problems and opportunities confronting the Department's leadership, and identifies strategic management issues relating to the long-term military competition between the U.S. and her competitors. Prior to his current position, Mr. Lovinger served as general counsel within OSD's lead office focused upon operational reconstruction in Iraq and Afghanistan and as associate deputy general counsel for DoD. In such capacity Mr. Lovinger was the principal U.S. government liaison to the United Nations entity overseeing U.S. stewardship of the Development Fund for Iraq. Prior to his government service, Mr. Lovinger was an international project finance lawyer in London-based firms Clifford Chance and Freshfields. Since 2011 he has served as guest lecturer of U.S. grand strategy formation, net assessment, and the emerging U.S.-China long-term strategic competition at the U.S. State Department's Foreign Service Institute, Georgetown University and Yale University's superpowers of influence series. Mr. Lovinger holds a Bachelor of Arts from the University of Pennsylvania, a Master of International Affairs from Columbia University, and a Juris Doctor from the Georgetown University Law Center.



## FAISAN JAVED

*Manager of Data Science, CareerBuilder*

Faizan Javed is Manager of Data Science at CareerBuilder where he leads the Data Science group responsible for data enrichment technologies such as knowledge bases, entity taxonomies and relationships, data standardization, deduplication and normalization algorithms for the online recruitment domain. He has over a decade's experience in industry in diverse domains with multiple technology stacks. Faizan has over 30 publications in areas ranging from data science and machine learning to software systems and model-driven engineering. He has published and presented at ACM KDD, IEEE Big Data, and AAAI/IAAI including a Best Deployed Application Award at AAAI/IAAI'17 and was also a co-organizer of the Data Science for Human Capital Management (DSHCM) workshop at the IEEE International Conference on Data Mining (ICDM'17). His current area of focus is application of data science to end-to-end human capital management processes.



Faizan holds a MSc. degree in Computer Science & Bioinformatics, a PhD degree in Computer & Information Sciences, and a Certificate in Technology Entrepreneurship, all from the University of Alabama at Birmingham, USA.

## WAYNE C. JOHNSON

Senior Consultant, Maguire Associates

Wayne Johnson is a nationally renowned expert in domestic and international innovation ecosystems and experienced at creating complex partnerships between government, academia, industry, and nongovernmental organizations.



Currently a member of the National Academies Government University Industry Research Roundtable, he was Executive Director of the Innovation Institute at the University of Massachusetts which he founded, Vice President of Corporate Institute Relations at Caltech and Director of Innovation Partnerships at Mass Insight.

Wayne is a member of the ASTRA Board of Directors and an influential member of the global innovation community. Johnson has spent many years navigating corporate and academic interfaces related to intellectual property rights, innovation policy, technology commercialization and competitiveness issues.

Widely recognized as a thought leader and global influencer, Johnson was a delegate to the Clinton Global Initiative, September 2007. He has also been quoted as a subject matter expert on the topic of engineering education and global capacity building in the press. Johnson was one of 5 members of an expert panel, which provided Congressional Testimony to the U.S. House of Representatives (Subcommittee on Technology and Innovation, Committee on Science and Technology on July 17, 2007, regarding "Bayh-Dole – the Next 25 Years," significant legislation, which seeks to address issues of Intellectual Property (IP).

Johnson received his B.A. from Colgate University, Hamilton, NY and his M.B.A. from Boston College's Carroll School, Boston, MA. He was an Adjunct Professor of Management at Boston University from 1977 to 1999. Johnson's work was acknowledged in 2005 through a Harvard Business School Case Study - *HP Nanotech: Partnership with CNSI*, which illustrates the challenges of managing industrial – university collaborations and examines issues of US national competitiveness.

## DAVID LAZER

Distinguished Professor, Northeastern University

David Lazer is Distinguished Professor of Political Science and Computer and Information Science, Northeastern University, and Co-Director, NULab for Texts, Maps, and Networks. Prior to coming to Northeastern University, he was on the faculty at the Harvard Kennedy School (1998-2009).



His research has been published in such journals as *Science*, *Proceedings of the National Academy of Science*, the *American Political Science Review*, *Organization Science*, and the *Administrative Science Quarterly*, and has received extensive coverage in the media, including the *New York Times*, *NPR*, the *Washington Post*, the *Wall Street Journal*, and *CBS Evening News*. He is lead author of the paper in *Science* in 2014 that critiqued Google Flu Trends, which has emerged as an important piece in the use of big data to understand human behavior. He is lead author on the 2009 *Science* paper on computational social science, which has been described as the manifesto for the emerging field, as well as lead author on a 2018 paper on "The Science of Fake News."