

Review of the SBIR and STTR Programs at DOD

Meeting of the Committee (April 18-19, 2024)

Biographies of Guest Speakers

In order of appearance

MARCY E. GALLO

Marcy E. Gallo is an analyst in science and technology policy in the Congressional Research Service's Resources Science and Industry Division. She focuses on a broad range of science and technology issues, including Department of Defense research, development, test, and evaluation, the defense innovation ecosystem, federally funded research and development centers, the Small Business Innovation Research and Small Business Technology Transfer programs, research security, and regional innovation, among others. Before joining CRS in 2016, Gallo served as a Subcommittee Staff Director for the House Committee on Science, Space, and Technology's Subcommittee on Environment and the Subcommittee on Technology and Innovation. She also served as a professional staff member for the subcommittees on Research and STEM Education and Technology and Innovation. Prior to her work with the House Science Committee, Gallo worked for the American Geosciences Institute, and in 2007, she was an AAAS Congressional Science and Engineering Fellow for Senator Joseph I. Lieberman. Gallo earned a BS in biology from Marietta College, an MS in biology from the University of Toledo, and a PhD in biology with a concentration in ecology from the University of New Mexico.

DAVID G. BASSETT

Lieutenant General David Bassett (US Army Retired) is the Founder and Principal at Acquisition Insight LLC, an advisory and consulting firm focused on providing business consulting services to companies that support national Defense. Bassett served over 35 years in the US Army, retiring in 2024 as the Director of the Defense Contract Management Agency where he led a team of more than 11,000 military and civilian employees responsible for the management and administration of over 250,000 contracts with a total value of over \$3.5T. He also served as the Army Program Executive Officer Ground Combat Systems (PEO GCS), Program Executive Officer Command Control Communications Tactical (PEO C3T), and the Deputy Program Executive Officer for Combat Support and Combat Service Support (PEO CS&CSS). He currently serves on the Board of Directors for the National Contract Management Association and as a board advisor for a number of companies. Bassett has Master's Degrees in National Resource Strategy from the Industrial College of the Armed Forces and Computer Science from the University of Virginia and a Bachelor's Degree in Electrical Engineering from the University of Virginia.

RICHARD R. MCNAMARA

Richard McNamara had a distinguished forty-year career with the Department of Navy culminating in eight years as a member of the Senior Executive Service (SES) -- four years as the Deputy Program Manager for the Virginia Class Submarine and four as Executive Director PEO Submarines. Since retiring he established RRM & Associates, LLC. A graduate of Northeastern University with a degree in mechanical engineering, he has been recognized by both public and private sectors, being awarded a Presidential Rank Award, Distinguished Civilian Service and Medal, the

Naval Submarine League Distinguished Civilian Award for 2015, a Navy SBIR Career Achievement Award and industry's National Defense Industrial Association Vice Admiral Weakley Award among others.

SABRINA HOWELL

Sabrina Howell is a Professor of Finance at the New York University Stern School of Business. She is also a Faculty Research Fellow at the National Bureau of Economic Research and a Research Fellow at the Private Equity Research Consortium.

Howell's research focuses on entrepreneurship, private equity, fintech, innovation, energy, and China. She is the recipient of the 2020 AQR Asset Management Institute Young Researcher Award and the 2020 Review of Financial Studies Referee of the Year Award, among other prizes. She also serves as an Associate Editor at *Management Science*.

Howell received her BA from Yale University and her PhD from Harvard University. She previously worked as an energy consultant for Charles River Associates in Houston, and on energy security policy for Securing America's Future Energy (SAFE) in Washington DC.

VIVEK BHATTACHARYA

Vivek Bhattacharya is an assistant professor in the Department of Economics at Northwestern University and a faculty research fellow at the National Bureau of Economic Research. His research focuses on industrial organization and regulation, with an emphasis on auctions and financial markets. Bhattacharya received his PhD in economics from the Massachusetts Institute of Technology and his BS in economics and physics from Duke University.

ERICA FUCHS

Erica R.H. Fuchs is a Professor in the Department of Engineering and Public Policy at Carnegie Mellon University, and by courtesy in the Department of Materials Science and Engineering and the Heinz College of Information Systems and Public Policy. She is also a Research Associate with the National Bureau of Economic Research. Fuchs' research focuses on the development, commercialization and global manufacturing of emerging technologies, and national policy in that context. Fuchs catalyzed and served as founding director of the National Network for Critical Technology Assessment, which mobilized academic thought-leaders from more than 13 Tier I research universities across the country to develop a vision for critical technology assessment, including current capabilities (and demonstrations thereof), gaps, and the investment needed to realize that vision. Their year-long work culminated in the report *Securing America's Future: A Framework for Critical Technology Assessment*. She was previously the founding Faculty Director of Carnegie Mellon's Manufacturing Futures Initiative – an initiative across six schools which today is an endowed institute. Fuchs serves for the Department of Commerce on the Board of Trustees for the National Semiconductor Technology Center and has been appointed by President Biden to the White House Advisory Committee for Trade Policy and Negotiations. She completed her PhD in engineering systems (2006), her master's degree in technology policy (2003), and her bachelor's degree in materials science and engineering (1999), all from M.I.T.

CHRIS MORAN

John Christopher “Chris” Moran is the Executive Director and General Manager of Lockheed Martin Ventures; the venture capital investment arm of Lockheed Martin Corporation. In this capacity, he is responsible for leading the Corporation’s investments in small technology companies which support Lockheed Martin’s strategic business objectives.

Prior to joining Lockheed Martin, Moran served in a variety of increasingly responsible positions at Applied Materials, Inc., Santa Clara, CA. He served most recently as the head of the Business Systems and Analytics group in the Applied Global Services Organization. Moran was with Applied for over 32 years. Prior to his most recent role, he was head of Corporate Strategy and General Manager of Applied Ventures LLC; the strategic investing arm of Applied Materials.

Moran is a graduate of the Massachusetts Institute of Technology where he obtained both his bachelor’s and master’s degrees in mechanical engineering.

FIONA MURRAY

Fiona Murray is the Associate Dean of Innovation and Inclusion at the MIT School of Management and the *William Porter (1967) Professor of Entrepreneurship*. She is the codirector of MIT’s Innovation Initiative and Faculty Director of the MIT Legatum Center for Entrepreneurship and Development. Murray is an associate of the National Bureau of Economic Research, and a board member of the NATO Innovation Fund. Murray serves on the British Prime Minister’s Council on Science and Technology.

Murray is an international policy expert on the transformation of investments in science and technology into deep-tech start-up ventures that solve significant global challenges and create national advantage – from defense and security to health, food and water security. Her work includes understanding new funding approaches for innovations that arise from scientific research, and educating the next generation of technical leaders to build effective ventures. She has focused on the particular issues faced by ventures who have dual-use (commercial and government) solutions and work in contexts characterized by complex global power competition. She also works with large public and private sector organizations to effectively drive their strategic goals by linking to external innovation ecosystems especially universities, start-ups, and risk capital.

Murray received her BA ’89 and MA ’90 from the University of Oxford in chemistry. She subsequently moved to the United States and earned an AM ’92 and PhD ’96 from Harvard University in applied sciences.

STEFANIE TOMPKINS

Dr. Stefanie Tompkins is the director of the Defense Advanced Research Projects Agency (DARPA). Prior to this assignment, she was the vice president for research and technology transfer at Colorado School of Mines.

Tompkins has spent much of her professional life leading scientists and engineers in developing new technology capabilities. She began her industry career as a senior scientist and later assistant vice-president and line manager at Science Applications International Corporation, where she spent 10 years conducting and managing research projects in planetary mapping, geology, and imaging spectroscopy. As a program manager in DARPA’s Strategic Technology Office, she created and managed programs in ubiquitous GPS-free navigation as well as in optical component manufacturing. Tompkins has also served as the deputy director of DARPA’s Strategic Technology

Office, director of DARPA's Defense Sciences Office – the agency's most exploratory office in identifying and accelerating breakthrough technologies for national security – as well as the acting DARPA deputy director.

Tompkins received a Bachelor of Arts degree in geology and geophysics from Princeton University and Master of Science and Doctor of Philosophy degrees in geology from Brown University. She has also served as a military intelligence officer in the U.S. Army.

JENNIFER THABET

Ms. Jennifer Thabet is an experienced program manager with an extensive background supporting DARPA and the Department of Defense (DoD). Enhancing the ability of the small business community to create and transition revolutionary technologies that benefit the warfighter, federal government, and commercial marketplace is of paramount importance in Thabet's role of program director, DARPA Small Business Programs Office (SBPO). Thabet also leads the agency's inaugural Partnership Intermediary Agreement (PIA), DARPAConnect, an effort designed to break down barriers of entry for performers new to DARPA and the national security space, and educate them on how to engage and work with DARPA.

Prior to joining SBPO, Thabet spent more than 13 years with Booz Allen Hamilton supporting DARPA and the DoD by providing program and project management for complex government contracts with a focus on project and financial management. Before her time at DARPA, Thabet spent time as an attorney, specializing in contract law and general litigation.

Thabet holds a Bachelor of Arts degree from Washington University in St. Louis, a Juris Doctorate degree from The George Washington University School of Law, and a Project Management Professional (PMP) Certification from the Project Management Institute.