

Forum on the Revolution in Intelligence Affairs

Committee

Hans R. Davies

Chair

Hans Robert Davies is a futurist at Toffler Associates. Hans specializes in strategic planning, risk management, resource management, and innovation policy. As a professional futurist, he work with governments, commercial organizations, and NGOs to help leaders envision and explore possible futures; identify concrete steps they can take today to prepare for and even shape their future; and invest in technologies, processes, and people to take advantage of opportunities and mitigate risks. He is an experienced facilitator and strategic planner who has leveraged futures over the past 20 years to bring interdisciplinary and innovative solutions to bear on the problems facing organizations and society at large. He previously served as the futurist and facilitator for the National Academies report "Cryptography and the Intelligence Community: The Future of Encryption". Prior to joining Toffler Associates, Hans worked at SAIC, supporting arms control and complex operations initiatives for the Department of Defense. He has served as a Congressional staff member, worked with the Department of State, and was a Robert Bosch Foundation Fellow in Germany. Hans earned a B.A. with honors in history from Williams College and an M.A. in international relations and international economics from Johns Hopkins University.

Jason E. Bruzdinski

Member

Jason E. Bruzdinski is a Senior Principal/Chief Engineer at the MITRE Corporation's National Security Engineering Center (NSEC) – a federally-funded research & development center (FFRDC). He has more than 30 years of experience spanning the private, public, and not-for-profit sectors. Jason works in the public interest as a trusted advisor supporting U.S. government missions in the defense and intelligence arenas. Concurrently, Jason serves as a Special Duty Officer within the U.S. Navy (reserve) at the rank of Commander (O5). He is assigned to the U.S. Indo-Pacific Command (USINDOPACOM) Joint Intelligence Operations Center (JIOC) within Joint Reserve Detachment-Honolulu, and serves as the Detachment's Director of Intelligence (J2). In both careers, Jason leads multidisciplinary teams working at the intersection of strategy, policy, S&T/engineering, and operations relating to America's most challenging national security missions and their requirements. He is a graduate of Georgetown University's Edmund A. Walsh School of Foreign Service (M.A. in National Security Affairs), St. Lawrence University (B.A. in Government/Political Science), and is a certified Competitive Intelligence Professional (CIP) by the Fuld-Gilad-Herring Academy of Competitive Intelligence (ACI).

Nicholas M. Donofrio

Member

Nicholas M. Donofrio began his career in 1964 at IBM, where he remained for 44 years in increasingly responsible roles, including those of division president for advanced workshops, general manager of the large-scale computing division, and executive vice president of innovation and technology. He is a member of several technical societies including Sigma Xi, Tau Beta Pi, Eta Kappa Nu as well as the Society of Women Engineers. Donofrio is a Life Fellow of the Institute for Electrical and Electronics Engineers, a Fellow of the UK-based Royal Academy of Engineering, a Fellow of the American Academy of Arts and Sciences, a member of the US-based National Academy of Engineering, a member of the New York Academy of Science and the CT Academy of Science and Engineering. He served a term as a Senior Fellow at the Kauffman Foundation (2009-2012). He also served on the US Secretary of Energy's Advisory Board (2008-2012). He was a member of the CT Board of Regents for Higher Education (2011-2016), serving as its Chairman from 2013-2016. He is an Executive in Residence at Columbia University's School of Professional Studies. He is the Chairman of the Board of the Peace Tech Lab in Washington, DC and the Chairman of the Board of Quantexa, a UK based company. He served as co-chair of the Board of the New York Hall of Science (2007-2017) and now serves as Chairman Emeritus. He is a member of the board of the MITRE Company, APTIV PLC, HYPR Corp., Sproxil Corp., the New York Genome Institute, Syracuse University, the National Association of Corporate Directors and Ravenpod Inc. He served as a board member at Clarkson University (1987-1992), RPI (1993-2013), TopCoder (2009-2013), O'Brien & Gere (2013-2016), BNY Mellon (1998-2017), Liberty Mutual (2010-2018) and AMD (2009-2018). He additionally serves as an advisor to O'Brien & Gere, Atlas Research, Mitchells, HBI Solutions, Bold Start VC, Ultra Capital and StarVest Partners. He earned a Bachelor of Science degree in Electrical Engineering from Rensselaer Polytechnic Institute in 1967 and a Master of Science in the same discipline from Syracuse University in 1971. In 1999 he was awarded an honorary doctorate in Engineering from Polytechnic University (now NYU); in 2002 he received an honorary doctorate in Sciences from the University of Warwick, England; in 2005 he was awarded an honorary doctorate in Technology from Marist College; in 2006 he received an honorary doctorate in Sciences from the University of Edinburgh, Scotland. Pace University awarded him an honorary doctorate in Sciences in 2009; the National University of Ireland, Maynooth awarded him an honorary doctorate in Sciences in 2010; in 2011 he was awarded an honorary degree in science from Syracuse University and in 2017 he was awarded an honorary degree in humane letters from Southern VT College. In 2018 he was awarded an honorary Associate Degree from Naugatuck Valley Community College. And in 2019 he was awarded an honorary doctorate in engineering from Drexel University. Mr. Donofrio is focused sharply on advancing education, employment and career opportunities for underrepresented minorities and women. He served for many years on the Board of Directors for the National Action Council for Minorities in Engineering (NACME) and was NACME's Board chair from 1997 through 2002. He served on the National Board of Directors for INROADS (2005-2008), a non-profit organization focused on the training and development of talented minority youth for professional careers in business and industry. In 2005, Mr. Donofrio was appointed by the U.S. Department of Education to serve on the Commission on the Future of Higher Education, a 20-member delegation of business and university leaders charged with developing a new national strategy for post-secondary education that will meet the needs of America's diverse population and address the economic and workforce needs of the country's future. In 2006, he was named IBM's delegate to the World Business Council for Sustainable Development, a coalition of 190 companies united by a shared commitment to economic growth, ecological balance and social progress. In 2002, Mr. Donofrio was recognized by Europe's Institution of Electrical Engineers with the Mensforth International Gold Medal for

outstanding contributions to the advancement of manufacturing engineering. In 2003, he was named Industry Week Magazine's Technology Leader of the Year, the University of Arizona's Technical Executive of the Year, and was presented with the Rodney D. Chipp Memorial Award by the Society of Women Engineers for his outstanding contributions to the advancement of women in the engineering field. In 2005 he was honored by CNBC with its Overall Technology Leadership Award. In 2006, he was honored by The Cooper Union for the Advancement of Science and Art with the Urban Visionaries Award for Engineering; was named one of Business Week magazine's 25 Top Innovation Champions, and received the Robert Fletcher Award from Dartmouth College's Thayer School of Engineering for distinguished achievement and service. He formed NMD Consulting in 2008 as he graduated from IBM.

Stuart G. Harrison

Member

Stuart Harrison manages and provides direction for FaciliTech LLC with focus on facilitating technology integration into the built environment, with special emphasis on smart cities. He has worked in construction and in facilities management throughout his professional career of 38 years in the Army and private industry. His civilian career experience includes executive level positions at American States Utility Services, Amentum, and AECOM. While at Amentum and AECOM he was responsible for a portfolio of contracts with a P&L of \$150+M. Prior experience includes program management of multiple base operations services contracts as well as concept design support for a datacenter project. A retired Colonel in the Army Corps of Engineers, Stuart's assignments included Commandant of the NGA College, Legislative Liaison, Military Assistant to The Inspector General (DoD), and Garrison Commander of Camp Doha, Kuwait. Prior tactical assignments include Germany, Fort Campbell KY, and Fort Bragg NC. Stuart graduated from West Point in 1983 and is a registered Professional Engineer (PE) in Virginia, Pennsylvania, Maryland, and Georgia. He is a Certified Facility Manager (CFM) and holds a Class A Contractor license in Virginia. Stuart is a guest lecturer in the Civil, Environmental, and Infrastructure Engineering Department at George Mason University. He is also on the Board of Trustees for his high school alma mater, Fork Union Military Academy.

Stuart is active in the Society of American Military Engineers and has held numerous positions to include Post President, Academy Fellow, National Board of Direction, and the National Executive Committee.

Laura Kennedy

Member

Laura Kennedy is the Group Leader of the Applied Space Systems Group at MIT Lincoln Laboratory. Her team develops prototype sensor systems for satellites to detect and quantify naturally occurring and man-made phenomena on Earth's surface, within the atmosphere, and in outer space. Her primary technical expertise is in software development for automated image processing and analysis of large spatio-temporal databases. She has experience working closely with the users of satellite imagery, to identify how automation and novel sensing can enable closing of critical knowledge gaps. She has received the MIT Lincoln Laboratory Early Career Technical Achievement Award, Director's Office Recognition from the National Geospatial Intelligence Agency for "Contributions and Dedication to the Mission", and was a participant in the 2016 US Frontiers of Engineering Symposium. She holds a Bachelor of Science degree in Computer Engineering and Computer Science from Rensselaer Polytechnic Institute.

Mikel D. Rodriguez

Member

Mikel Rodriguez is the director of The Artificial Intelligence and Autonomy Innovation Center at MITRE labs and leads the AI Red Team for the Department of Defense. Being part of a not-for-profit in the public interest Dr. Rodriguez works with a team that can look beyond the bottom line of any particular product or organization and focus harnessing AI to help address national and global challenges. For the past twenty years his research has focused on exploring how artificial intelligence and in particular Computer Vision can be used to help solve problems for a safer world. He obtained his PhD at UCF's Center for Research in Computer Vision. He was a visiting researcher at the Robotics Institute at Carnegie Mellon and a post-doctoral fellow at INRIA at the Département d'Informatique of Ecole Normale Supérieure in Paris, France. Dr. Rodriguez was the chair of the ODNI Video Analytics Research Working Group and is a senior technical advisor for the Pentagon's Project MAVEN. He has served in the program committee for IEEE Computer Vision and Pattern Recognition, IEEE International Conference on Computer Vision, and IEEE Transactions on Pattern Analysis and Machine Intelligence.

Anna Skinner

Member

Anna Skinner is the President of Black Moon, LLC, a science and technology consulting firm primarily providing consulting services as a Science and Engineering Technical Advisor (SETA) to The Defense Advanced Research Projects Agency (DARPA) and The National Geospatial-intelligence Agency (NGA). Dr. Skinner has 20 years of technical and program management experience across a broad range of technical areas with an emphasis on Department of Defense (DOD) and Intelligence Community (IC) domains and applications. She has programmatic and administrative experience managing individual programs and portfolios of programs in disciplines ranging from the life sciences and basic experimental research to “hard” sciences involving chemistry, physics, and computer science. Her primary areas of technical expertise include biomedical engineering, human factors, human-machine interaction (HMI), cognitive science, operational neuroscience, and human performance optimization. She holds a Bachelor’s degree in Biomedical Engineering from The Catholic University of America (CUA), a Master’s degree in Human Factors Psychology from CUA, and a PhD in Applied Experimental Psychology from CUA.

Anthony J. Vinci

Member

Anthony Vinci, is a managing director at a private equity and venture capital investment fund, an Adjunct Senior Fellow with the Technology and National Security Program at the Center for a New American Security (CNAS), a member of the Board of Trustees Technology Committee of MITRE, and a Board Member or Advisor to multiple technology companies. He was a senior intelligence official and served as the Chief Technology Officer (CTO) and Associate Director for Capabilities at the National Geospatial-Intelligence Agency (NGA). Anthony has published and spoken extensively on the subject of innovation, technology and modernization in the national security. He received his Ph.D. in International Relations from The London School of Economics and studied Philosophy at Reed College and the University of Oxford. Anthony is a member of the Council on Foreign Relations (CFR) and Business Executives for National Security (BENS).

Caryn Leslie

Staff Officer