



The National Academies of
SCIENCES • ENGINEERING • MEDICINE

Revolution in Intelligence Affairs

AGENDA

- 11:00 - 11:10 Introduction and administrative announcements, Dr. Joseph Czika, NASEM
- 11:10 - 11:20 Welcome from the Office of the Director of National Intelligence, Mr. Dan Flynn, ODNI
- 11:20 - 11:30 Welcome from the National Academies of Sciences, Engineering, and Medicine, Dr. Tina Bahadori, NASEM
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- 11:30 - 12:15 **The Coming Revolution in Intelligence Affairs**, Dr. Anthony Vinci, Center for a New American Security
- 12:15 - 1:00 **Providing Security and Protecting Privacy on an Instrumented Planet**, Mr. Robert Cardillo, The Cardillo Group
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- 1:00 - 1:15 BREAK
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- 1:15 - 2:00 **Augmenting Intelligence: The Future of AI in the IC**, Mr. Dean Souleles, Ginosko Consulting
- 2:00 - 2:45 **Autonomous Intelligence: Eyes and Ears Everywhere**, Mr. Luke Shabro, US Army Mad Scientist Initiative
- 2:45 - 3:30 **Turning the Ship: Adapting to the RIA**, Ms. Heather Williams, The RAND Corporation
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- 3:30 - 4:00 BREAK
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- 4:00 - 5:00 Panel session moderated by Dr. Anthony Vinci
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- 5:00 ADJOURN

*All times ET



Dan Flynn
ODNI

Mr. Dan Flynn is the first director of the Office of IC Net Assessment within the Office of the Director of National Intelligence (ODNI). In this position, he is responsible for developing forecasts and comparative assessments to identify emerging challenges and opportunities for U.S. intelligence capabilities.

Prior to his current assignment, Dan was the director of the Global Security Program for the National Intelligence Council's (NIC) Strategic Futures Group. In this position, he led national-level assessments of long-term and crosscutting military-security issues for senior U.S. policymakers and defense officials. Prior to joining the NIC, Dan served in multiple positions at CIA where he was responsible for assessments of foreign weapons, technologies, and military innovations. He was a member of CIA's Senior Analytic Service (SAS) and chairman of the SAS Council.

From 2004 to 2005 Dan served as a senior staff member on *The President's Commission on the Intelligence Capabilities of the United States Regarding Weapons of Mass Destruction*. His duties included leading the commission's research on the capabilities of the Intelligence Community to support future U.S. military operations, perform strategic assessments, and conduct scientific and technical analysis.

Dan earned an MS in national security strategy from the National War College where he graduated with distinction and a BS in aerospace engineering from Boston University. Dan is also an ODNI "Plank Holder."



Tina Bahadori
NASEM

Dr. Tina Bahadori is the executive director of the Division on Engineering and Physical Sciences.

Tina came to the Academies from the Environmental Protection Agency's (EPA) Office of Research and Development where she served in several influential positions, including as senior science advisor, director of the National Center for Environmental Assessment, national program director (NPD) for the Human Health Risk Assessment, and NPD for Chemical Safety for Sustainability.

Before joining EPA, Tina was the managing director of the Long-Range Research Initiative at the American Chemistry Council, and prior to that the manager of Air Quality Health Integrated Programs at the Electric Power Research Institute.

Tina's experience with the Academies predates her current role, as she served on the Chemical Sciences Roundtable, as a member of the Board on Environmental Studies and Toxicology, and on several of its ad hoc committees; including one focused on the environmental health and safety of engineered nanomaterials.

Tina also served as a member of the National Science Foundation's Advisory Committee for Environmental Research and Education, was president of the International Society of Exposure Science, and is an associate editor of the *Journal of Exposure Science and Environmental Epidemiology*.

Tina holds a doctorate in environmental science and engineering from the Harvard School of Public Health, and from MIT she holds an MS in chemical engineering and technology and policy and BS degrees in chemical engineering and humanities.



Anthony Vinci
CNAS

Dr. 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 adviser to multiple technology companies.

Anthony was a senior intelligence official and served as the chief technology officer and associate director for capabilities at the National Geospatial-Intelligence Agency. Earlier in his career, he founded and was CEO of two technology companies and served with the Department of Defense in Iraq, Africa, and Asia.

Anthony is a member of the Council on Foreign Relations and Business Executives for National Security. He has published and spoken extensively on the subject of innovation, technology, and modernization in the national security and intelligence community in *Foreign Affairs*, the *Atlantic*, and other publications.

Anthony received his Ph.D. in international relations from the London School of Economics.



Robert Cardillo
The Cardillo Group

Mr. Robert Cardillo is the president of The Cardillo Group LLC, which delivers strategic and operational consultation services dedicated to the growth and development of the intelligence profession in defense of the American way of life.

Until February 2019, Robert was the sixth director of the National Geospatial-Intelligence Agency (NGA). In that position, he led NGA to transform its future value proposition through innovative partnerships with the growing commercial geospatial industry.

Prior to that assignment, Robert served as the first deputy director for intelligence integration in the Office of the Director of National Intelligence. That senior position included managing, editing, and delivering the President's Daily Brief (over 1400 editions), being a member of the deputies committee on the National Security Council, and overseeing the National Intelligence Council and the national intelligence managers.

Robert also served as the deputy director of the Defense Intelligence Agency (DIA) and the deputy director for analysis (DIA) from 2006 to 2010. In the summer of 2009, Robert served as the acting J2, a first for a civilian, in support of the chairman of the Joint Chiefs of Staff. Before he moved back to DIA, Robert led analysis and production as well as source operations & management at NGA from 2002 to 2006.

Robert earned a BA in government from Cornell University in and an MA in national security studies from Georgetown University. In 2019, he received an honorary doctorate of humane letters from Saint Louis University.



Dean Souleles
Ginosko Consulting

Mr. Dean Souleles is a principal at Ginosko Consulting and serves as a senior technology adviser to a variety of organizations. He was the founding director of the Intelligence Community's (IC) AI Innovation Center and chief technology advisor at the Office of the Director of National Intelligence (ODNI), where he led the development of the IC's strategy for rapidly adopting AI and related technology. As chief technology advisor, he provided subject-matter expertise, assessment, and advice on all relevant technology matters to the director of national intelligence, the principal deputy director of national intelligence, and other senior leaders in the IC and Department of Defense. He led the effort, with ODNI and IC partners, to assess, evaluate, and develop IC-wide strategies to accelerate the adoption of key technology priorities.

Prior to this role he served as the founding chief technology officer (CTO) of the National Counterintelligence and Security Center (NCSC) where he established the office of the CTO and developed and promoted the National Counterintelligence and Security Technology Strategy. Prior to NCSC, he served the ODNI as the special assistant for the Intelligence Community information technology enterprise (IC ITE), a seventeen-federal-agency IT modernization effort. He created the IC Architecture and System Engineering Team (ASET) and the IC ITE Mission User Group (the "MUG") which served as the "Voice of Mission."

Prior to joining ODNI, Dean was chief operating officer of Resolution Health, Inc., a venture-funded healthcare, big data analytics and software company. Before that, he was executive vice president and CTO of QuadraMed Corporation, a public healthcare information technology firm. Earlier in his career, he worked at NASA's Jet Propulsion Laboratory (JPL), and after leaving JPL, he founded SureNet, one of the earliest dial-up internet services providers.

Dean was educated in computer science at California State University, Northridge.



Mr. Luke Shabro is a futurist, intelligence analyst, and the deputy director for the U.S. Army Mad Scientist Initiative. He previously served for eight years as an active duty intelligence specialist in the U.S. Navy, deploying aboard the USS JOHN C STENNIS (CVN-74) and instructing basic and intermediate Navy intelligence students.

Luke has worked extensively in all-source intelligence, counterinsurgency, counterterrorism, global security, and futures analysis. He is also the Hampton Roads Coordinator for the Defense Entrepreneurs Forum.

Luke graduated with a BA in international studies from Old Dominion University and an MA in political science from Virginia Tech.

Luke Shabro

U.S. Army Mad Scientist Initiative



Heather Williams
The RAND Corporation

Ms. Heather Williams is a senior international- and defense-policy researcher at the RAND Corporation, where she focuses on national security, Middle East regional issues, terrorism and violent extremism, and intelligence policy and methodology. She also served as the associate program director for the Strategy, Policy, and Operations Program within RAND's Homeland Security Operational Analysis Center, a federally funded research development center for the Department of Homeland Security.

Heather joined RAND from the National Intelligence Council, where she served as the deputy national intelligence officer for Iran and the acting national intelligence officer for Iran. She was previously a senior intelligence analyst in the Iran Division of the Defense Intelligence Agency. She also served as the Middle East briefer for the J-2 of the Joint Chiefs of Staff, and has briefed the chairman of the Joint Chiefs, the NATO Military Committee, the director of national intelligence, and multiple Congressional committees. Prior to these roles, she served as a counterterrorism targeter for the Special Operations Intelligence Center, as well as a field intelligence officer for the Transportation Security Administration. She was as a founding member of the Foreign Fighter Task Force and served three overseas tours supporting Special Operations Forces counterterrorism operations.

Heather holds an MS in strategic intelligence from the National Intelligence University and a BS in U.S. foreign policy and national security from Boston University. She was also a Pat Roberts Intelligence Scholar.