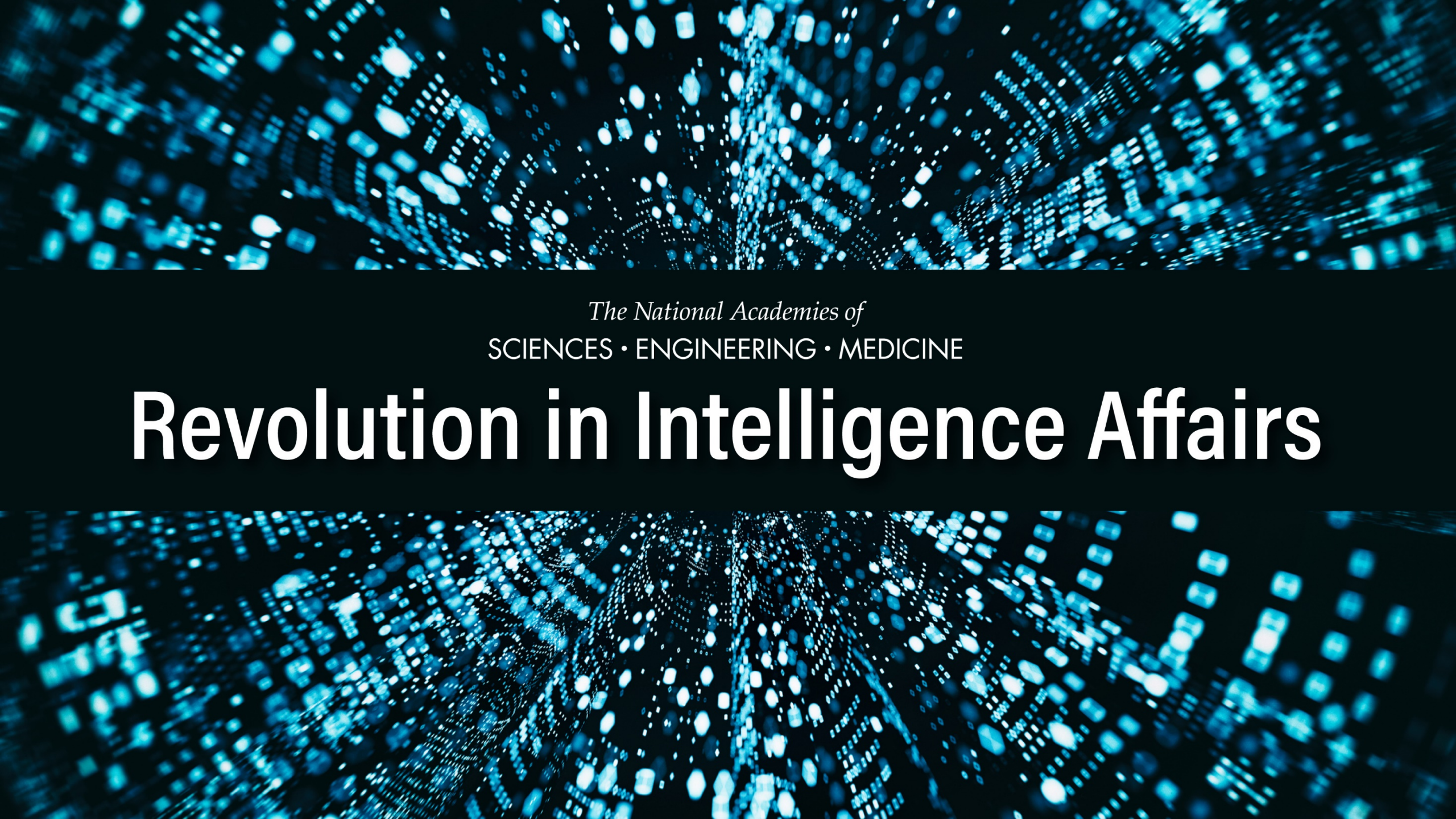




The National Academies of
SCIENCES • ENGINEERING • MEDICINE

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, Ms. Caryn Leslie, NASEM
-
- 11:30 - 12:15 **The Operationalization of AI, Diffusion of Innovation, and Lessons Learned from two DoD Startups,** Mr. John (Jack) N.T. Shanahan, Lt Gen, USAF (Retired)
- 12:15 - 1:00 **Open Secrets: Harnessing the Value of Open Source Alternative Data,** Mr. Davey Gibian, Janes
-
- 1:00 - 1:15 BREAK
-
- 1:15 - 2:00 **Disruption and the Business of Espionage,** Mr. Duyane Norman, Defense Innovation Unit
- 2:00 - 2:45 **Legal Challenges in Information and Cyber Operations,** Mr. Todd Huntley, Georgetown University Law Center
- 2:45 - 3:30 **Striving for Cognitive Superiority in the 3rd IT Age: The New Ways & Means of Intelligence Analysis,** Mr. Jason Bruzdinski, The MITRE Corporation
-
- 3:30 - 4:00 BREAK
-
- 4:00 - 5:00 Panel session moderated by Dr. Anthony Vinci
-
- 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."



Caryn Leslie
NASEM

Ms. Caryn A. Leslie is the Senior Program Officer of the Intelligence Community Studies Board under the Division on Engineering and Physical Sciences.

Caryn came to the Academies after retiring from the Central Intelligence Agency, where she served as Scientific and Technical Intelligence Analyst before moving into management positions for a variety of mission areas, in the Directorate of Intelligence, the Directorate of Support, and the Director's area.

Before joining CIA, Caryn worked for the Defense Intelligence Agency, and before that, the National Air and Space Intelligence Center.

Caryn holds a MS in Strategic Intelligence, as well as an MS and BS in Electrical Engineering.



John Shanahan
USAF (Retired)

Retired Air Force Lt. Gen. John “Jack” Shanahan recently completed a 36-year military career. His final assignment was as the inaugural director of the DoD Joint Artificial Intelligence Center (JAIC).

Throughout his career, Jack served in a variety of operational and staff positions in various fields including flying, intelligence, policy, and command and control. He commanded at the squadron, group, wing, agency, and numbered air force levels. As the first director of the Algorithmic Warfare Cross-Functional Team (Project Maven), he established and led DoD’s pathfinder AI fielding program charged with bringing AI capabilities to intelligence collection and analysis.

Jack is currently a graduate student in the master of international studies program at North Carolina State University. He is also a special government employee supporting the National Security Commission on Artificial Intelligence; is a member of the CNAS AI Task Force; serves on the board of advisors for the Common Mission Project; is an advisor to the Changing Character of War Centre (Oxford University); is a member of the CACI Strategic Advisory Group; is on the board of directors at PLEXSYS; and serves as an advisor to the Military Cyber Professionals Association.



Davey Gibian
Janes

Mr. Davey Gibian is a technologist and national security entrepreneur. He is the vice president of intelligence innovation at Janes, where he is responsible for bringing automated capabilities, connected data advanced analytics, and human-machine teaming into the Janes intelligence workflow.

Davey's diverse career spans active war zones, large corporations, US government, and Silicon Valley. He is best known for creating organizations that blend advances in technology with new operational methods to solve critical national-security challenges.

As an entrepreneur, Davey has co-founded two national security start-ups. The first, OMG, was a denied-area data collection and analysis company that enabled the national security teams to make sense of complex environments, including active conflict zones. His work included building technical data capture solutions in areas including Iraq, Syria, Afghanistan, and Yemen. His second start-up, CalypsoAI, is a venture-backed software company that protects US military and intelligence AI from adversarial attacks.

Between start-ups, Davey led technology programs as a staff member in the US government, most notably as a White House Presidential Innovation Fellow. In this capacity, he created and led initiatives including: the USDOT's Intelligent Transport Systems Joint Program Office cybersecurity and artificial intelligence strategy; reshaping the DoD Innovation Unit's (DIUx) warfighter engagement and AI strategy; and assisted on IC AI/ML efforts for augmented analysis.

Davey also leads technology-enabled initiatives to combat human trafficking in the Middle East and South East Asia with the Heraion Foundation—which he founded—and Atlas Humanitarian Rescue.

Davey graduated from Columbia University and served in the US Air Force. He is the author of *Hacking AI*, a book on the new cyber-attack surface of artificial intelligence. He also holds multiple patents in adversarial machine learning



Duyane Norman
DIU

Mr. Duyane Norman leads the Defense Innovation Unit's (DIU) engagement with the DoD's agencies and activities and serves as DIU's link to the IC. He has substantial leadership, operational, and technical experience across a broad spectrum of the military and government. He is a recognized leader in innovation, having founded and led CIA's Station of the Future program.

In March 2019, Duyane retired from CIA as a member of its Senior Intelligence Service with 28 years of distinguished service. He last served as the deputy director of the Office of Technical Services within CIA's Directorate of Science and Technology. Immediately following retirement he worked as a consultant for CIA, DoD, and numerous private companies.

Throughout his career, Duyane served seven overseas tours in the Directorate of Operations in Central and South America, Central Asia, the Balkans, the Caucasus, and the Middle East—including three tours as chief of station and one tour as a war zone chief of base.

In addition to serving as deputy director of the Office of Technical Services, Duyane served multiple assignments at CIA headquarters including chief of operations for Latin America Division (with oversight and responsibility for all CIA operations in Latin America) and as a member of the CIA Counterterrorism Center's Incident Response Team.



Todd Huntley
Georgetown University

Mr. Todd Huntley is the director of the National Security Law Program and a lecturer in law at Georgetown University Law Center. He held a previous position here as an adjunct professor teaching courses on legal issues related to counterterrorism and hybrid threats.

Todd came to Georgetown after serving more than 20 years on active duty in the US Navy as a judge advocate general. His last assignment in the Navy was as a professor at the US Army Judge Advocate General's Legal Center and School where he taught cyber, intelligence, and national security law as well as law of the sea. He also served as the deputy assistant judge advocate general of the Navy for national security law.

Todd has extensive national security law experience supporting the special operations community. He deployed to Afghanistan twice with a Joint Special Operations Task Force in support of Operation Enduring Freedom and supported a Joint Special Operations Task Force conducting worldwide counterterrorism missions. He also deployed to Qatar, Iraq, and other locations in the CENTCOM AOR.

Todd earned a JD and a BA in international affairs from the University of Cincinnati. He also earned an MA in international relations from the Fletcher School of Law and Diplomacy at Tufts University and an LLM from Harvard Law School.



Jason Bruzdinski
MITRE

Mr. Jason Bruzdinski is a senior principal multidisciplinary systems engineer within MITRE's National Security Engineering Center (NSEC). NSEC is a not-for-profit federally-funded research & development center (FFRDC) working in the public interest.

Jason's expertise regarding US national security affairs is based upon more than 30 years of experience working in both the public and private sectors, as well as a career in the US armed forces. He is a polymath who advises US defense and intelligence sponsors on a broad range of complex challenges requiring the fusion of policy, programmatic, S&T/engineering, and operational expertise.

Earlier in his career, Jason worked at several of Washington's most prominent public policy think tanks; as a congressional professional staff member (for both for the U.S. Senate and House of Representatives); as a private sector DoD and IC consultant; and, later, as a leader in the international professional services sector and the US defense industrial base.

Concurrent with his civilian career, Jason served for more than 20 years as a direct-commissioned officer in the US Navy Reserve and presently holds the rank of commander (O5).

Jason is a certified competitive intelligence professional (CIP) and a recognized subject-matter expert on Eurasian and Indo-Asia Pacific regional affairs.

Jason earned a BA in political science and government from St. Lawrence University and an MA in national security from Georgetown University's Edmund A. Walsh School of Foreign Service.