



Privacy, Ethics and UAVs: Was George Orwell a Prophet?

*A Program of the Center for the Study of Democracy at
St. Mary's College of Maryland and The Patuxent Partnership*

ST MARY'S

COLLEGE of MARYLAND

The Public Honors College



June 2, 2016

St. Mary's College of Maryland



The Patuxent Partnership

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CENTER FOR THE
STUDY OF DEMOCRACY
Exploring Issues in Democracy and Liberty Throughout the World

Center for the Study of Democracy
47645 College Drive, KH 105
St. Mary's City, MD 20686
(240) 895-6432



Welcome to the 11th annual Patuxent Defense Forum sponsored by the Center for the Study of Democracy and The Patuxent Partnership. We are very pleased to be your hosts. This annual forum joins together leading academics, highly ranked military officers, and key policy analysts in government and business on the beautiful campus of St. Mary's College to discuss issues central to U.S. foreign affairs and national defense. It is a unique forum designed to encourage diverse groups within the defense community to share information, network and critically analyze policies and concepts affecting our national defense. We look forward to a robust exchange of ideas and opinions.

Thursday, June 2, 2016

8:15 AM - 9:00 AM

Check-in & Continental Breakfast, Campus Center

9:00 AM - 9:10 AM

Welcome, Cole Cinema, Campus Center

Maija Harkonen, Ph.D., Executive Director, Center for the Study of Democracy

Bonnie Green, Executive Director, The Patuxent Partnership

9:10 AM - 9:45 AM

Opening Remarks

RADM Matthew Klunder, USN (ret), Vice President of DoD Strategy for Harris Corporation's Government Communications Systems Division (GCSD)

9:45 AM - 11:45 AM (Coffee Break at 10:30 AM)

Panel I: Privacy, Transparency and Accountability

Chair: Ann L. McDaniel, Consultant, Graham Holdings Company

- **Jack Gohn**, J.D., Partner, Gohn Hankey Stichel & Berlage LLP
- **Drew Mitnick**, J.D., Policy Counsel, Access Now
- **Gail L. Gottehrer**, J.D., Partner, Axinn Veltrop & Harkrider LLP

11:45 AM - 1:00 PM

Lunch, Great Room, Campus Center



St. Mary's College of Maryland



St. Mary's College of Maryland, designated the Maryland state honors college in 1992, is ranked one of the best public liberal arts schools in the nation by U.S. News & World Report. More than 2,000 students attend the college, nestled on the St. Mary's River in Southern Maryland.

Historic St. Mary's City

History is hands-on at Historic St. Mary's City, an outdoor museum on the site of Maryland's first capital. Visitors can step onboard a tall ship, explore an un-ordinary "ordinary", discover the world of the Yaocomaco Indians, help a colonial planter tend his fields, and learn how researchers reconstruct the past using historical and archaeological evidence.

The State House of 1676 was re-created in 1934 as part of the Maryland Tercentennial celebration. Original documents that guided its construction included court records from a trial involving its builder, Capt. John Quigley, who was sued for shoddy work on the structure. The original State House was located in today's Trinity Church graveyard, about 100 yards east of the re-creation.

240-896-4990 | www.hsmcdigshistory.org | 800-SMC-1634



About the Center for the Study of Democracy

The Center for the Study of Democracy was founded as a joint initiative of St. Mary's College of Maryland and its partner institution, Historic St. Mary's City, the site of Maryland's first capital. The purpose of the Center is to explore contemporary and historical issues associated with democracy and liberty in national and international contexts. The Center provides a forum for presentations by government officials, journalists, and scholars; publishes scholarly writings on subjects of civil governance; encourages and supports public participation in political processes; and engages undergraduate students in study and research on related subjects.

Since its founding in 2002, the Center has developed a robust program of political education and civic engagement, providing important opportunities to students, the greater college community; and citizens throughout the state of Maryland. Recent activities of the Center include academic lectures and policy conferences, paid and unpaid internships, activities for students in government, visiting scholars in history and politics, and public discussions on political issues of wide interest to the Maryland community. The annual Patuxent Defense Forum is an integral part of our efforts to engage different communities in Maryland.

The Center finances its operations relying on external support from major donors, trusts and foundations. It has received \$500,000 in matching funds from the National Endowment for Humanities for raising \$1.5 million in pledges for the Center's endowment. The Center currently has a \$3.3 million endowment it uses to help fund programs that benefit students, faculty and community members. For more information about the Center, please visit our web site at www.smcm.edu/democracy or contact the executive director, Dr. Maija Harkonen at 240-895-4215.

About The Patuxent Partnership

The Patuxent Partnership (TPP) is a non-profit member organization that works with government, industry, and academia to advance education through science, technology, engineering, and math (STEM) based initiatives, to advance technology through speaker programs, forums, and networking, to advance science and technology transfer through the exchange of ideas, information, and data related to technologies, and to increase workforce development through an array of initiatives. For more information, visit www.paxpartnership.org or call 301-866-1739 x 301.

DAWIA Continuous Learning Event

All AT&L workforce members must participate in meaningful continuous learning activities to stay current and proficient in functional disciplines, AT&L policy and initiatives, and leadership and management skills. The Patuxent Defense Forum qualifies as a continuous learning event and may count toward your DAWIA continuous learning requirement through RegisterNow, the DAWIA Registration System. You can register your Continuous learning credits on the Register-Now web site, <https://www.atrrs.army.mil/channels/registernow/rnswitch.asp>.



Thursday, June 2, 2016 (continued)

1:00 PM - 3:00 PM

Panel II: Commercial and Personal Use of UAVs

Chair: Matt Scassero, Director, University of Maryland UAS Test Site

- **RADM Scott Sanders**, USN (ret), President, Ausley Associates, Inc.
- **Shawn S. Bullard**, President, Duetto Group
- **Vincent Bellezza**, President, Aviation Systems Engineering Company (ASEC), Inc.

3:00 PM - Coffee Break

3:15 PM - 5:00 PM

Panel III: Drones and the Ethics of War

Chair: RADM Timothy Heely, USN (ret), President, SPARTA, Inc.

- **George Lucas**, Vice Admiral James B. Stockdale Professor of Ethics, Naval War College
- **Thomas E. Baker**, Director, UAS and Counter UAS Initiatives, 1st Air Force (CONR - AF-NORTH)
- **BRIG GEN Bob Dehnert, Jr.**, USAF (ret), C2A, MSM, IIS, Raytheon
- **Avery Plaw**, Professor, Department of Political Science, University of Massachusetts Dartmouth

5:15 PM

Reception and Dinner

Reconstructed State House of 1776, 47418 Old State House Rd., St Mary's City, MD 20686

Speaker: RADM Mark Darrah, Program Executive Officer, Unmanned Aviation and Strike Weapons, NAVAIR



Biographies

Thomas E. Baker is the Director of UAS and Counter UAS Initiatives at NORAD and the USNORTHCOM J8 Science and Technology Directorate. Previously, he was the Joint Test Director of Unmanned Aircraft Systems - Airspace Integration (UAS-AI) Joint Test. Prior to assuming this post, Mr. Baker was employed in Afghanistan as the Site Lead and Operations Manager. He served in the United States Army for more than 20 years, both as an infantryman and aviator in a wide variety of command and staff assignments—stateside and overseas. He is rated in the UH-60 A/L Blackhawk and the OH-58 A/C Kiowa helicopters. His military decorations include the Bronze Star, Combat Action Badge, Air Medal, and several other awards. He is also a recipient of the Order of Saint Michael (Bronze Award) from the Army Aviation Association of America.

Mr. Baker is a 1991 graduate of the United States Military Academy and holds a B.S. in Geography. He is a 2004 graduate of the United States Naval War College, where he earned an M.A. in National Security and Strategic Studies. In addition, he holds a Master’s Certificate in Homeland Defense from the University of Colorado-Colorado Springs.

Mr. Vincent “Vinnie” Bellezza is President and CEO of Aviation Systems Engineering Company (ASEC), Inc. ASEC is a 190 person Veteran-Owned Small Business (VOSB) headquartered in Lexington Park, Maryland, with additional offices in Jacksonville FL, Dallas, TX, Anacostia MD, and Seattle WA. As CEO of ASEC, he is ultimately responsible for company operations, contracts, business development, and personnel decisions.

Born in Staten Island, New York, Mr. Bellezza graduated from the US Naval Academy in 1978. Vinnie served on active duty, flying in operational tours with various USN squadrons and commands. After leaving active duty service, he directly supported Naval Air Development Center (NADC), the Naval Air Test Center (NATC) and then the Naval Air Warfare Center (NAWC) Aircraft Division (AD). He supported development and testing of new sensors for the P-3C aircraft, the Harpoon missile, the Update IV aircraft, various classified programs, and most recently the P-8A Poseidon aircraft.

Vinnie manages the ASEC engineers and analysts who support various NAVAIR PMAs for Maritime Patrol (P-3C and P-8A), Triton and BAMS-D, Training, and Airborne ASW Sensors. The ASEC support is primarily in the areas of requirements definition, technical design/review, integration/testing, flight operations, and training. In addition to the support of NAWCAD and NAVAIR, ASEC has become increasingly busy supporting commercial UAS “drone” efforts, with FAA approval to operate over 1000 different commercial drones.

Shawn Bullard has a reputation for having a well-grounded insider’s perspective on Washington’s public policy process. He has spent more than two decades counseling CEO’s, trade association executives and college presidents. Before launching Duetto Group, Bullard gained Washington experience as the Vice President of Government Relations for one of the world’s largest public relations firms; as a Legislative Policy Director for metropolitan county executives; and as a Legislative Advisor, Spokesperson and Press Secretary for a senior member of the U.S. House of Representatives Armed Services and House Transportation Committees. He regularly lectures on public policy, and has been interviewed by numerous media organizations including ZDNet, Wired and Bloomberg News. He sits on multiple boards and advisory committees, and holds a Masters degree from George Mason University’s School of Policy, Government, and International Affairs.



Previous Patuxent Defense Forums

Religion in Civil Society: The Impacts of Religious Movements on International Relations (2015)

Religions shape affiliations and cleavages within civil societies worldwide. In the globalized world, religious activism can be generated faster than ever before. To what extent is religion a main source of international conflict today? Why? When is it a force in peacemaking? In what way is religious engagement integrated into US foreign policy? Scholars and policymakers around the country came to the 10th Patuxent Defense Forum at St. Mary’s College of Maryland to discuss these questions.

At the forum, two panelists addressed modern communications strategies in the context of studying militant faith-based movements. They discussed ISIS’ use of social media to recruit supporters, spread propaganda and raise money. Several panelists elaborated on the role of public-private cooperation in mitigating interfaith conflicts. All emphasized the importance of understanding the root causes of religious violence and developing better peacebuilding methods to deter and mitigate religious tensions.



SMCM’s Professor of Religious Studies Katharina von Kellenbach, discusses the differences between anti-semitism, anti-Judaism and anti-Zionism.

Challenges for the U.S. and NATO in Promoting Middle East Stability and Security (2014)

Political developments in the Middle East have the potential to reshape future strategic relations between states in the region, with important implications for the U.S., NATO and other regional actors. The withdrawal of U.S. troops from both Iraq and Afghanistan suggested new strategic relations between the U.S. and states in the region. Instability and war in Syria continues to threaten state security and regional economic development, while piracy is an ongoing menace for shipping routes in the region. These, and other challenges, require policymakers to rethink regional military and security strategies to help foster greater stability. This forum brought together experts from the Middle East to discuss how NATO can encourage greater defense cooperation among states, how the U.S. can encourage bilateral or multilateral maritime and military defense strategies, and how the U.S. can achieve long term sustainable security with partners in the region.



Tomislav Ruby, Ph.D., discusses the future of U.S. and NATO defense strategies.

Rivalries and Conflicts in the China Seas: How Can the U.S. Promote Greater Stability? (2013)

This forum focused on the topic of “Rivalries and Conflicts in the China Seas,” with panels looking at the history of growing territorial disputes between nations in Asia, the economic and political foundations of these disputes and likely responses of the U.S. and other states to changing territorial claims. Several panelists presented research that focused on strategies for making territorial claims and how these might be enforced. Using a data set on claimant tactics, Dr. Chris Yang discussed how different countries focus on legal, economic or administrative claims as the justification for territorial claims. Several other panelists emphasized how domestic politics fueled territorial disputes in the region. Dr. Lee concluded by presenting conditions on how de-escalation could gradually be introduced to minimize military actions over conflicting territorial claims.



Dr. Miles Yu discusses China’s New Security Agenda at the 2013 Patuxent Defense Forum.



Biographies

RADM Scott Sanders, USN (ret), graduated from the United States Naval Academy in 1980. He was a carrier-based E-2C Hawkeye pilot on active duty and in the reserves. He has over 5,700 hours of flight time with 2,200 of those supporting flight test events at NAS Patuxent River, MD. As an Admiral, Sanders held positions as the Vice Commander, Naval Forces Central Command (Bahrain), Commander CTF-151, Deputy Commander Second Fleet and Reserve Deputy Joint Staff J7. While stationed in Bahrain, his forces deployed group one through five UAS platforms on shore, maritime platforms and at sea. As CTF-151, he was the first commander to have UAS's assigned to him for counter-piracy operations.

RADM Sanders is the President of Ausley Associates, Inc. Ausley, a veteran-owned small business, is Maryland's premier provider of development and management services for both manned and unmanned aviation systems. Ausley started in 1997 and has matured to a 150+ employee business successfully managing over 20 national and local contracts with a portfolio exceeding \$75 million.

Matthew Scassero is the Director of the University of Maryland Unmanned Aircraft Systems (UAS) Test Site, focusing the resources and efforts of the state of Maryland on working with the FAA to integrate UAS into the national airspace, and enabling public access to these valuable assets to empower a flourishing civil and commercial UAS industry.

He is also the Associate Director for Maryland for the Mid-Atlantic Aviation Partnership, one of six FAA-designated national UAS test sites. His focus is to lead the university's efforts to be a premier force in advancing UAS safely, efficiently, and effectively while delivering products and programs in support of workforce development and higher education goals. Prior to his work with UAS, Matt was the Chief Contracts Officer for Melwood, a non-profit dedicated to empowering people with differing disabilities to enrich their own lives through rehabilitative services and employment opportunities. Prior to joining Melwood, Matt completed a 27 year career in the US Navy, retiring at the rank of Captain as the Vice Commander for the Naval Air Warfare Center Aircraft Division, the Navy's principal research, development, test, evaluation, engineering and fleet support activity for naval aircraft and systems. He is certified by the federal government in program management, test and evaluation, software acquisition, safety program management, and electronic warfare operations. Matt earned a BS in Physics (Oceanography) from the United States Naval Academy in 1982, and is a Leadership Maryland 2007 graduate.



Biographies

RADM Mark Darrah currently serves as program executive officer for Unmanned Aviation and Strike Weapons (PEO U&W), Naval Air Systems Command, located at Naval Air Station Patuxent River, Maryland. Under his leadership, PEO U&W works to design, develop and deliver new and updated weapons and unmanned systems to the fleet, paving the way for the future of naval aviation.

RADM Darrah has served as the F-35 Joint Strike Fighter, Weapon System Program Manager, the Commander of the Naval Air Warfare Center Aircraft Division, and the Assistant Commander for Research and Engineering of the Naval Air Systems Command. Prior to joining the acquisition community, he logged more than 3200 hours as an F/A-18 pilot.

BRIG GEN Bob Dehnert, Jr., USAF (ret), is the Director of the Command, Control and Awareness (C2A) sub-mission area for Raytheon Intelligence, Information and Services, a position he assumed in October 15, 2014. C2A develops, builds, manages and sustains unmanned systems' command and control, mission management systems, missile defense command and control systems, and operational software/hardware. Prior to joining Raytheon, Dehnert served in the U.S. Air Force, retiring as a Brigadier General in 2007 after 30 years of service. He is a 1977 graduate of the U.S. Air Force Academy. Dehnert commanded three squadrons and was the Program Executive Officer for Command and Control and Combat Support Systems at the Headquarters of the U.S. Air Force in Washington D.C. His last job in the government was Director of the Missile Defense Agency's Command and Control, Battle Management, Communications directorate. Dehnert has extensive international experience, including Japan, Korea, Australia, Israel and NATO. His international work culminated as chairman of NATO's Missile Defense Committee from 2004-2007. He has chaired NATO's Industry Missile Defense Study since 2010.

Jack L. B. Gohn, a Baltimore lawyer, concentrates his practice in the areas of administrative, employment, and business litigation. A 1981 graduate of the University of Maryland School of Law and a former federal judicial law clerk, he has been effective in such endeavors as affecting the shape of impending regulations, protecting professional licenses, bringing and defending against employment tort claims, and resolving business disputes. He has been active in the Maryland State Bar Association, where he has twice served as Chair of the Administrative Law Section. He has been three times honored as a Super Lawyer by Thomson Reuters, and he seeks to foster discussion of important issues within the legal profession. To that end, he has served on the Maryland Daily Record Lawyers' Editorial Advisory Board, and now publishes a monthly column, *The Big Picture*, in the Daily Record, which considers the larger policy context in which legal issues arise. His writings have appeared in such disparate places as the Baltimore Symphony Orchestra's website, *National Catholic Reporter*, and *The Wall Street Journal*.

Gail Gottehrer is a litigation partner at Axinn Veltrop & Harkrider LLP, a law firm with offices in New York and Connecticut. Her practice focuses on privacy and technology related litigation including class action defense, management-side labor and employment litigation and other complex commercial matters. Gail is a frequent speaker on topics relating to the implications of technology on the law, on business operations and on the digital workplace, including data ownership and data privacy, telematics, autonomous vehicles, drones, robots, electronic evidence, usage based insurance, smart buildings, biometrics, wearable technology and the Internet of Things. She is a member of the International Association of Privacy Professionals and the Executive Women's Forum. Gail was recently selected as one of the New York Business Journal's 2016 Women of Influence and as one the Connecticut Technology Council's 2016 Women of Innovation. Gail is a graduate of the University of Pennsylvania Law School and a former Law Clerk to the Honorable Murray C. Goldman, Commonwealth of Pennsylvania Court of Common Pleas, Philadelphia County. She is admitted to practice in New York, New Jersey, Pennsylvania and Connecticut.



Biographies

Bonnie Green is the Executive Director of the Patuxent Partnership, an organization that works with government, industry and academia on initiatives in science and technology, hosts programs of interest to NAVAIR and the broader DoD community, supports workforce development including education initiatives and professional development. Prior to joining the Patuxent Partnership, she worked as a Senior Advisor for Catholic Relief Services in Baltimore and traveled extensively in support of their programs. Ms. Green served as the Deputy Maritime Administrator at the U.S. Department of Transportation from 1999-2001. She worked for American President Lines, Ltd. in Oakland, CA and in Washington, DC as the Director of Government Services. Ms. Green is a native of Annapolis, Maryland. She received her Bachelor of Arts degree from St. Mary's College of Maryland, and in 1981, The George Washington University conferred the degree of master of business administration on her. She is a 2007 graduate of Leadership Maryland.

Maija Harkonen is the Executive Director of the Center for the Study of Democracy at St. Mary's College of Maryland. She has explored questions of liberty, democracy and civil society throughout her academic career in Finland, Russia and the United States. She received her B.A. from the University of Texas at Austin and her M.A. and Ph.D. from Georgetown University, Washington DC. Prior to coming to St. Mary's, Maija worked as Director of Strategic Partnerships at FCG Finnish Consulting Group and before that she led a multinational team of universities and businesses for the European Union program. Maija has taught international relations, economic development and comparative politics at Georgetown University, John Hopkins University and universities of applied sciences in Finland. She has also worked in the private sector with focus on international business development in Asia, the Middle East and Europe.

RADM Tim Heely, USN (ret), graduated from the United States Naval Academy with a Bachelor of Science degree in American Political Systems and later earned a Master of Science degree in Aeronautical Engineering from the Naval Postgraduate School, Monterey, California. He was a pilot in the U.S. Navy flying from aircraft carriers in the Pacific and Indian Oceans, and commanded an F/A-18 squadron during the Gulf War. In 2000 he was promoted to Rear Admiral and commanded the Naval Air Warfare Center, Aircraft Division. In 2004 he was appointed as Program Executive Officer, Strike Weapons and Unmanned Aviation. He retired from the US Navy in the summer of 2008 after a 33-year career and worked for Cobham PLC in the Washington DC area. He left this position in 2013 and founded Sentinel Robotic Solutions, a small business specializing in high end solutions using unmanned systems. Today he is the Chief Executive Officer of Vanilla Aircraft, a small company manufacturing Long Endurance Unmanned Air Vehicles. He has been a Trustee of St. Mary's College of Maryland since 2011.

George Lucas is the Distinguished Chair of Ethics, Emeritus, at the U.S. Naval Academy. He is scheduled to serve as the Stockdale Professor of Ethics at the Naval War College, Newport, Rhode Island, beginning August 1, 2016. His recent books include "The Routledge Handbook of Military Ethics," with a forward by General Martin E. Dempsey, US Army (Routledge, 2015); "Military Ethics: What Everyone Needs to Know," with a forward by General John R. Allen, USMC (Oxford Univ Press, 2016); and a forthcoming book, "Ethics and Cyber Warfare" (Oxford University Press), in November 2016. He has taught at Georgetown University, Emory University, Randolph-Macon College, the Catholic University of Louvain, Belgium, and served as Philosophy Department Chairman at the University of Santa Clara in California. Lucas has received research fellowships from the Fulbright Commission and the American Council of Learned Societies, and has served three times (in 1986, 1990, and 2004) as Director of National Endowment for the Humanities Summer Institutes for College and University Faculty.



Biographies

RADM Matthew Klunder, USN (ret), is Vice President of DoD Strategy & Technology for Harris Corporation's Global Business Development (Global BD). Global BD supports the development, production, and integration of advanced intelligence, communications, and information systems that solve the mission critical challenges of its defense, national intelligence, and civil agency customers worldwide.

RADM Klunder was the Chief of Naval Research and Director of Innovation, Technology, and Test & Evaluation for the U.S. Navy and Marine Corps. In this position, he was responsible for over 3,500 scientists, engineers, and support personnel executing scientific research and advanced technology development. Before that, he was the Director of Intelligence, Surveillance, Reconnaissance and Unmanned Systems, responsible for cutting edge ISR and unmanned system investments for the Department of the Navy.

RADM Klunder joined Harris in 2015 following over 32 years of service in the U.S. Navy. In the Navy, Klunder served as an Experimental Test Pilot, Squadron Commanding Officer, Carrier Air Wing Commander, and as the 83rd Commandant of Midshipmen at the U.S. Naval Academy. He has played a key role in eight major deployments and multiple surge operations to the Atlantic, Pacific, and Indian Oceans, as well as to the Mediterranean Sea and Arabian Gulf. He qualified in numerous aircraft including the E-2C Hawkeye and F/A-18 E/F Super Hornet and was Full Joint Staff certified.

Ann McDaniel is a longtime journalist and media business executive. She began her career as a reporter at the *Dallas Times Herald* in 1977 and moved to *Newsweek* in 1984. McDaniel covered the Supreme Court, the 1988 presidential campaign and George H. W. Bush's White House before rising to managing editor of the magazine. In 2001, she moved from *Newsweek* to its then parent company, The Washington Post Company, where she served as a senior executive until 2015. (In 2013, The Washington Post Company became Graham Holdings Company.) McDaniel now serves as a consultant to the company. She also serves on the Board of Directors for The Match Group, and is chair of their compensation committee. McDaniel is also on the board for The Strathmore Performing Arts Center, and serves as a member of the Board of Trustees at St. Mary's College of Maryland.

Drew Mitnick serves as Policy Counsel at Access Now, where he works on cybersecurity, digital due process, and privacy. He has experience working on human rights in Asia and the United States. Drew was previously a Senior Research Associate for the Public International Law and Policy Group and served as the Managing Online Editor of the Human Rights Brief. He received his law degree from American University Washington College of Law where he served as a JD Distinguished Fellow.

Avery Plaw is a Professor of Political Science at the University of Massachusetts Dartmouth specializing in Political Theory and International Relations, with a particular focus on Strategic Studies. He has published 24 peer reviewed articles and chapters. In 2008, he won the American Political Science Association's Wilson Carey McWilliams prize. *Targeting Terrorists* was short-listed (with two other books) for Best Book of the Year in International Relations by the Canadian Political Science Association.

Before arriving at the University of Massachusetts, Plaw taught for three years at Concordia University, following which he received a two-year fellowship from the Social Science and Humanities Research Council of Canada (SSHRCC) to pursue research at New York University.