



U.S. NAVAL WAR COLLEGE  
*Est. 1884*  
NEWPORT, RHODE ISLAND

April 4–7, 2017

# Sea Control and Foreign Policy

EMC Chair Symposium  
Program of Events & Biographies



The U.S. Naval War College expresses appreciation to the Naval War College Foundation for its support in the preparation and presentation of this symposium.

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## PROGRAM OF EVENTS

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### **TUESDAY, APRIL 4, 2017** (Attire – Military: Service Dress Blue or equivalent, Civilian: Coat and Tie)

- 5:30 p.m. Transportation departs Hotel Viking for U.S. Naval War College**
- 6:00 Welcome Reception – Luce Hall of Flags**
- 7:00 Opening Dinner – Mahan Rotunda**
- 7:10 Welcome Toast**  
RADM Jeffrey A. Harley, USN, President, U.S. Naval War College
- 8:00 Dinner Address: *Challenges, Risks, and Opportunities in a Changing World***  
AMB Paula J. Dobriansky, Harvard University
- 9:30 Transportation departs U.S. Naval War College for hotel**

### **WEDNESDAY, APRIL 5, 2017** (Attire – Military: Service Dress Blue or equivalent, Civilian: Coat and Tie)

- 6:30 a.m. Breakfast available – Main Dining Room, Hotel Viking (optional)**
- 8:00 Transportation departs hotel for U.S. Naval War College**
- 8:30 Check-in, Coffee and Refreshments – Mahan Rotunda**
- 9:00 Remarks**  
Dr. Derek S. Reveron, EMC Chair, U.S. Naval War College
- 9:05 Remarks**  
RADM Jeffrey A. Harley, USN, President, U.S. Naval War College
- 9:15 Keynote Address: *U.S. Strategy in an Age of Disorder***  
Mr. Derek Chollet, The German Marshall Fund of the United States
- 10:00 Break**
- 10:30 Panel 1: *The Future of U.S. Foreign Policy***  
♦ Dr. Patrick M. Cronin, Center for a New American Security  
♦ Prof. Eugene Gholz, University of Texas at Austin  
♦ Dr. Emily Meierding, Naval Postgraduate School  
♦ Prof. Lawrence Rubin, Georgia Institute of Technology  
Moderator: Dr. Jacqueline Hazelton, U.S. Naval War College
- 12:00 p.m. Lunch – Mahan Rotunda**
- 1:00 Panel 2: *Sea Power and Great Power Dynamics***  
♦ Prof. Norrin M. Ripsman, Lehigh University  
♦ Mr. Bernard D. Cole, Center for Naval Analyses  
♦ Dr. Thomas Fedyszyn, U.S. Naval War College  
♦ LCDR Rachael Gosnell, USN, U.S. Naval Academy  
Moderator: ADM (Retd) Nirmal Verma, IN, U.S. Naval War College
- 2:30 Break**
- 3:00 Panel 3: *Echoes of the First World War in the Twenty-First Century***  
♦ Mr. James W.E. Smith, King's College London  
♦ CDR Benjamin Armstrong, USN, U.S. Naval Academy  
♦ Dr. Nathaniel Sims, Massachusetts General Hospital  
♦ Hon. Nicholas Jellicoe, Jutland Centenary Initiative  
Moderator: Dr. David Kohnen, U.S. Naval War College
- 5:00 Transportation departs U.S. Naval War College for hotel – Evening Free**

**THURSDAY, APRIL 6, 2017** (Attire – Military: Service Dress Blue or equivalent, Civilian: Coat and Tie)

- 6:30 a.m. Breakfast available – Main Dining Room, Hotel Viking (optional)**
- 8:00 Transportation departs hotel for U.S. Naval War College**
- 8:30 Coffee and Refreshments – Mahan Rotunda**
- 9:00 Keynote Address**  
VADM James G. Foggo III, USN, Director, Navy Staff
- 10:00 Break**
- 10:30 Panel 4: *Geo-economics and Maritime Security***  
♦ Ms. Jennifer M. Harris, Council on Foreign Relations  
♦ Prof. Rockford Weitz, Tufts University  
♦ Ms. Sarah A. Emerson, Energy Security Analysis, Inc.  
♦ Dr. Eric V. Thompson, Center for Naval Analyses  
Moderator: Dr. Nikolas K. Gvosdev, U.S. Naval War College
- 12:00 p.m. Lunch**
- 1:00 Panel 5: *Technology, Innovation, and Force Structure***  
♦ Dr. Peter Dombrowski, U.S. Naval War College  
♦ Dr. Isaac Maya, Department of Homeland Security  
♦ CAPT Philip Sobeck, USN, OPNAV N501  
♦ CAPT Scott M. Smith, USN, PCU Michael Monsoor (DDG-1001)  
Moderator: Dr. Tim Schultz, U.S. Naval War College
- 3:00 Transportation departs U.S. Naval War College for hotel or airport**
- 3:30 Battle of Jutland War Game – Naval War College Museum, 2<sup>nd</sup> Floor (optional)**  
Evening free or departures to airport/train station

**FRIDAY, APRIL 7, 2017** (Attire – Participants: Service Dress Blue/Coat and Tie, Students: Uniform of the Day)

This day's events are optional for conference attendees.

- 6:30 a.m. Breakfast available – Main Dining Room, Hotel Viking (optional)**
- 8:00 Transportation departs hotel for U.S. Naval War College**
- 8:30 Welcome – Spruance Auditorium**  
RADM Jeffrey A. Harley, USN, President, U.S. Naval War College
- 8:45 Keynote Address: *Sea Power and National Strategy***  
Mr. J. Randy Forbes, Naval War College Foundation
- 9:45 Sea Control Panel**  
♦ Dr. Sam J. Tangredi, U.S. Naval War College  
♦ Dr. Peter D. Haynes, Center for Strategic and Budgetary Assessments  
♦ RAdm Christopher Parry, CBE RN (RET), University of Reading  
Moderator: Prof. James Holmes, U.S. Naval War College
- 11:00 Break**
- 11:30 Keynote Address: *Future of Maneuver Warfare at Sea***  
VADM Thomas S. Rowden, USN, Commander, Naval Surface Forces
- 12:15 p.m. Lunch**
- 1:00 ILC Students – Sea Control and Distributed Lethality Table Top (in seminar)**
- 1:00 SLC Students – Sea Power and Sea Control Discussion (in seminar)**



## U.S. NAVAL WAR COLLEGE LEADERSHIP

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**JEFFREY A. HARLEY** is the 56th President of the U.S. Naval War College. The College is responsible to educate and develop future leaders through the development of strategic perspective, cultural thinking, and enhancing the capability to advise senior leaders and policy-makers.

Harley is a career surface warfare officer whose sea duty assignments included command of USS Milius (DDG 69), Destroyer Squadron (DESRON) 9, and Amphibious Force 7th Fleet/ Expeditionary Strike Group 7/ Task Force 76. While commanding Milius, the ship participated in combat operations supporting Operation Iraqi Freedom and his crew won the Battle Efficiency Award and the Marjorie Sterrett Battleship Fund Award for overall combat readiness.

Harley attended the University of Minnesota, graduating with a Bachelor of Arts in Political Science, and has received a Master of Arts from the U.S. Naval War College and The Fletcher School of Law and Diplomacy, Tufts University. Additionally, he served as a military fellow at the Council on Foreign Relations in New York.



**LEWIS M. DUNCAN** currently serves as provost of the U.S. Naval War College, the preeminent advanced military education school in the world. As provost, Dr. Duncan serves as the College's chief operating officer, overseeing the continuum of professional military education programs, residential and online, as well as operational administration of the institution.

Dr. Duncan is internationally recognized as an accomplished research scientist in experimental space physics and radiophysics, and as a leading scholar in study of the societal and ethical implications of emerging technologies.

Additionally, he serves on the Board of Directors of the Center for the Advancement of Science in Space, responsible for management of the U.S. National Laboratory of the International Space Station. He also is an Associated Fellow of the United Nations Institute for Training and Research, supporting the United Nations Operational Satellite Applications Technology (UNOSAT) program.

Previously, Dr. Duncan served for ten years as president of Rollins College. He also served as dean of the Thayer School of Engineering and Professor of Engineering Sciences at Dartmouth College.

Dr. Duncan received his B.A. (1973) in physics and mathematics, M.A. (1976) and Ph.D. (1977) in space physics, all from Rice University. Among his past honors, he received the Alan Berman Award from U.S. Naval Research Laboratory and is a member of Phi Beta Kappa, Sigma Xi, Tau Beta Pi, and Phi Kappa Phi.

## SYMPOSIUM CHAIR

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**DEREK S. REVERON** is a Professor of National Security Affairs and the EMC Informationist Chair at the U.S. Naval War College. He specializes in strategy development, non-state security challenges, and defense policy. He has authored or edited ten books and is a faculty affiliate at the Belfer Center for Science and International Affairs at Harvard Kennedy School. He also teaches a cybersecurity course at the Harvard Extension School and serves on the Rhode Island State Commission on Cybersecurity. As a serving officer in the Navy Reserves, he has served with the Joint Staff, Supreme Headquarters Allied Powers Europe, and NATO Training Mission-Afghanistan. He commanded units in support of Southern Command, Naval Forces Central Command, and Pacific Command. He graduated from the College of Naval Command and Staff through the Fleet Seminar Program and completed the Maritime Staff Operators Course. He received an MA in political science and a Ph.D. in public policy analysis from the University of Illinois at Chicago.



## KEYNOTE SPEAKERS

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(in order of appearance)



**PAULA J. DOBRIANSKY** is a foreign policy expert and former diplomat specializing in national security affairs. She is a Senior Fellow in the Future of Diplomacy Project at Harvard University's JFK Belfer Center for Science and International Affairs and Vice Chair of the National Executive Committee, U.S. Water Partnership. During her more than 25 years in government, she held Senate confirmed, high level positions including Under Secretary of State for Global Affairs (2001-2009); Director of European and Soviet Affairs at the White House National Security Council; Deputy Assistant Secretary of State for Human Rights and Humanitarian Affairs; and Deputy Head of Delegation to the 1990 Copenhagen Conference on Security and Cooperation in Europe.

In February 2007, as the President's Special Envoy to Northern Ireland, Ambassador Dobriansky received the Secretary of State's highest honor, the Distinguished Service Medal, for her contribution to the historic devolution of power in Belfast.

From 1997- 2001, she served as Senior Vice President and Director of the Washington Office of the Council on Foreign Relations and was the first George F. Kennan Senior Fellow for Russian and Eurasian Studies. During this time, she also served on the Presidentially-appointed U.S. Advisory Commission on Public Diplomacy. Ambassador Dobriansky received a B.S.F.S. *summa cum laude* in International Politics from Georgetown University School of Foreign Service and a M.A. and Ph.D. in Soviet political/military affairs from Harvard University and has received three Honorary Doctorates of Humane Letters, one Honorary Doctorate of Laws and one Honorary Doctorate of International Affairs.



**DEREK CHOLLET** is Executive Vice President and Senior Advisor for security and defense policy at The German Marshall Fund of the United States, and author of the book, *The Long Game: How Obama Defied Washington and Redefined America's Role in the World* (PublicAffairs, 2016). He served in senior positions during the Obama administration at the White House, State Department, and Pentagon, most recently as the U.S. assistant secretary of defense for international security affairs. He is a contributing editor to *Foreign Policy*, where he coedits "Shadow Government," and is a regular contributor to *Defense One*. He is also an advisor to Beacon Global Strategies and an Adjunct

Senior Research Scholar at Columbia University's Saltzman Institute of War and Peace Studies. His previous books include *America Between Wars: From 11/9 to 9/11*, coauthored with James Goldgeier, and *The Unquiet American: Richard Holbrooke in the World*, coedited with Samantha Power. He lives in Washington, DC, with his family.



**JAMES G. FOGGO III** is a 1981 graduate of the U.S. Naval Academy and a native of Virginia. He is also an Olmsted Scholar and Moreau Scholar, earning a master's degree in public administration at Harvard University and a Diplôme d'Études Approfondies in Defense and Strategic Studies from the University of Strasbourg, France.

His sea duties include tours aboard USS Sea Devil (SSN 664), USS Mariano G. Vallejo (SSBN 658) and USS Narwhal (SSN 671). He commanded the attack submarine, USS Oklahoma City (SSN 723) in 1998, which was awarded the Submarine Squadron (SUBRON) 8 Battle Efficiency award and the Commander Fleet Forces Command Adm. Arleigh Burke Fleet Trophy for being the most improved ship in the Atlantic Fleet. Foggo completed his major command tour of SUBRON-6 in 2007.

Ashore, he has served as special assistant in the Office of the Under Secretary of Defense for Acquisition and Technology; senior member of the Atlantic Fleet Nuclear Propulsion Examining Board at Commander Fleet Forces Command; executive assistant to the director of Naval Nuclear Propulsion (NAVSEA 08); division chief, Joint Staff (J5) for Western Europe and the Balkans; director, executive assistant to chairman of the Joint Chiefs of Staff; executive officer to the Supreme Allied Commander Europe (SACEUR) and commander, United States European Command, Director, Assessment Division (N81) and assistant deputy chief of naval operations (operations, plans and strategy) (N3/N5B).

In Naples, Italy, he served as commander, Submarine Group 8; commander, Submarines, Allied Naval Forces South; deputy commander, U.S. 6th Fleet, and director of Operations, Intelligence (N3), U.S. Naval Forces Europe-Africa. During this period, he served as the operations officer (J-3) for Joint Task Force Odyssey Dawn (Libya). Additionally, Foggo was a NATO Commander Task Force commander in Joint Task Force Unified Protector (Libya). In most recent assignment, Foggo commanded the U.S. 6th Fleet, Naval Striking and Support Forces NATO; deputy commander, U.S. Naval Forces Europe; deputy commander, U.S. Naval Forces Africa; and Joint Force Maritime Component Commander Europe.

Foggo assumed duties as director, Navy Staff in November 2016.

Foggo's awards include the Distinguished Service Medal, Defense Superior Service Medal, Legion of Merit, Defense Meritorious Service Medal, Meritorious Service Medal, NATO Meritorious Service Medal and various unit, and service awards. In addition, he was awarded the 1995 Admiral Charles A. Lockwood Award for Submarine Professional Excellence and the State of Oklahoma Distinguished Service award by The Adjutant General. In 2006, he was awarded the Chevalier de l'Ordre National de Mérite by the French government for his role in improving Franco-American relations. Foggo is also a member of the Council on Foreign Relations.



**J. RANDY FORBES** Former U.S. Representative J. Randy Forbes is the Naval War College Foundation Senior Distinguished Fellow at the U.S. Naval War College in Newport, Rhode Island. As a Senior Distinguished Fellow, Forbes shares with students and faculty his perspective on topics such as maritime strategy, naval policy, civil-military relations, and the role of Congress in national security affairs. Forbes joined the Naval War College faculty in January 2017 after representing the Hampton Roads region for 16 years in the U.S. House of Representatives.

While in Congress, Forbes served as a senior member of the House Armed Services Committee. As Chairman of the Subcommittee on Readiness from 2011-2013, Forbes was responsible for setting readiness policy and authorizing funding for operations and maintenance, training, military construction, and munitions procurement. As Chairman of the Subcommittee on Seapower and Projection Forces from 2013-2017, Forbes oversaw Navy policy, shipbuilding programs, and weapons procurement, along with elements of naval aviation and the Air Force's long-range bomber, tanker, and airlift aircraft. Prior to his service in Congress, Forbes served in the Virginia Senate and House of Delegates, and was an attorney in private practice. Forbes received his B.A. in Political Science from Randolph-Macon College (graduating valedictorian) and his J.D. from the University of Virginia Law School.



**THOMAS S. ROWDEN** is a native of Washington, D.C. and a 1982 graduate of the United States Naval Academy. Vice Admiral Thomas Rowden has served in a diverse range of sea and shore assignments.

Rowden's sea duty assignments include duty in cruisers, destroyers and aircraft carriers in both the Atlantic and Pacific Fleets. During these tours, he deployed to the Arabian Gulf, Western Pacific, Sea of Japan, South China Sea, East China Sea, Philippine Sea, Mediterranean Sea, Indian Ocean, Black Sea and Gulf of Guinea/West Africa areas of operation. He commanded USS Milius (DDG 69), served as reactor officer on USS George Washington (CVN 73); commander, Destroyer Squadron 60; commander, Carrier Strike Group 7; commander, USS Ronald Reagan (CVN 76) Strike Group; commander Carrier Strike Group 11, and commander, USS Nimitz (CVN 68) Strike Group.

Ashore, he has served on the Joint Staff as an action officer in the Defense and Space Operations Division (J38); on the chief of naval operations staff as the theater missile and air defense branch head for the director, Navy Missile Defense (N71), and as the executive assistant to the director of Surface Warfare (N76). He completed a tour as Surface Warfare Officer (nuclear) assignment officer at the Bureau of Naval Personnel Command, and served as commanding officer of Surface Warfare Officers School Command, Newport, Rhode Island, where he oversaw the training of every officer en route to duty on ships at sea.

His first flag assignment was commander, U.S. Naval Forces Korea. His most recent assignment was on the Chief of Naval Operations Staff as director, Surface Warfare Division. Rowden earned his Master of Arts in National Security and Strategic Studies from the U.S. Naval War College.

His current assignment is Commander Naval Surface Forces/Naval Surface Force, U.S. Pacific Fleet.

Rowden's decorations include the Distinguished Service Medal, the Legion of Merit, the Meritorious Service Medal, the Navy and Marine Corps Commendation Medal, Navy and Marine Corps Achievement Medal and other personal, unit and campaign awards.



## PANEL 1: *THE FUTURE OF U.S. FOREIGN POLICY*

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**PATRICK M. CRONIN** is a Senior Advisor and Senior Director of the Asia-Pacific Security Program at the Center for a New American Security (CNAS). Previously, he was the Senior Director of the Institute for National Strategic Studies (INSS) at the National Defense University, where he simultaneously oversaw the Center for the Study of Chinese Military Affairs.

Dr. Cronin has a rich and diverse background in both Asian-Pacific security and U.S. defense, foreign, and development policy. Prior to leading INSS, Dr. Cronin served as the Director of Studies at the London-based International Institute for Strategic Studies (IISS). Before joining IISS, he was Senior Vice President and Director of Research at the Center for Strategic and International Studies (CSIS). Before that Dr. Cronin served as the third-highest ranking official at the U.S. Agency for International Development (USAID).

Dr. Cronin's many publications are these recent CNAS reports: *Sustaining the Rebalance in Southeast Asia: Challenges and Opportunities Facing the Next Administration* (May 2016); *Dynamic Balance: An Alliance Requirements Roadmap for the Asia-Pacific Region* (May 2016) (co-author); *Strategic Resilience: A U.S.-Japan Action Plan for All-Hazard Emergency Management* (co-author); *Solving Long Division: The Geopolitical Implications of Korean Unification* (December 2015) (co-author); and *Preserving the Rules: Countering Coercion in Maritime Asia* (March 2015) (co-author).

**EUGENE GHOLZ** is an associate professor at the LBJ School of Public Affairs at the University of Texas at Austin. He works primarily at the intersection of national security and economic policy, on subjects including innovation, defense management, and U.S. grand strategy. For the 2015-16 academic year, he was the Stanley Kaplan Visiting Professor of American Foreign Policy at Williams College. From 2010-2012, he served in the Pentagon as Senior Advisor to the Deputy Assistant Secretary of Defense for Manufacturing and Industrial Base Policy. Before working in the Pentagon, he directed the LBJ School's master's program in global policy studies from 2007–10. He is the coauthor of two books: *Buying Military Transformation: Technological Innovation and the Defense Industry*, and *U.S. Defense Politics: The Origins of Security Policy*. His recent scholarship focuses on energy security. He is a member of the Council on Foreign Relations. His Ph.D. is from MIT.

**EMILY MEIERDING** is an Assistant Professor of National Security Affairs at the Naval Postgraduate School. Her research primarily examines international conflict and cooperation over oil and natural gas resources. She has also analyzed the connections between climate change and intrastate conflict. Her work has appeared in *Security Studies*, the *International Studies Review*, and *Energy Research and Social Science* and she is currently completing a book manuscript entitled *No Blood for Oil: The Oil Wars Myth*. Before joining the Naval Postgraduate School, Dr. Meierding was an Assistant Professor of International Relations/Political Science at the Graduate Institute of International and Development Studies in Geneva, Switzerland, and a Predoctoral Fellow at the Center for International Security and Cooperation (CISAC) at Stanford University. She earned her M.A. and Ph.D. in Political Science from the University of Chicago.

**LAWRENCE RUBIN** is Associate Professor and Director of Graduate Studies in the Sam Nunn School of International Affairs at the Georgia Institute of Technology. He has conducted research in Morocco, Egypt, Israel, the UAE, and Yemen.

Rubin is the author of *Islam in the Balance: Ideational Threats in Arab Politics* (Stanford University Press, 2014) and a co-editor and contributor to *Terrorist Rehabilitation and Counter-Radicalisation: New Approaches to Counter-terrorism* (Routledge, 2011). His other work has been published in academic and policy journals.

Rubin has held positions at the Belfer Center for Science and International Affairs (Harvard University), the Crown Center for Middle East Studies (Brandeis University), the Near East South Asia Center for Strategic Studies (NDU), and the RAND Corporation. He serves as the Associate Editor for the journal *Terrorism and Political Violence*. Rubin earned his PhD in Political Science from UCLA (2009) and degrees from the University of Oxford, London School of Economics, and UC Berkeley.

**JACQUELINE HAZELTON** is a professor of strategy and policy at the U.S. Naval War College. Her research interests include compellence, counterinsurgency, terrorism, asymmetric conflict, military intervention, and U.S. foreign and military policy. She received her Ph.D. in Politics from Brandeis University and holds two M.A.s and a B.A. from the University of Chicago.

## PANEL 2: SEA POWER AND GREAT POWER DYNAMICS

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**NORRIN M. RIPSAN** (Ph.D. University of Pennsylvania, 1997) is Monroe J. Rathbone Distinguished Professor of International Relations at Lehigh University. His primary research interests include: democracy and national security, postwar peacemaking, constructing regional stability, the political economy of national security, neoclassical realism, and the impact of globalization on national security. He has published nine books, most recently *Peacemaking from Above, Peace from Below: Ending Conflict Between Regional Rivals* (Ithaca, NY: Cornell Studies in Security, Cornell University Press, 2016) and (with Jeffrey W. Taliaferro and Steven E. Lobell) *Neoclassical Realist Theory of International Politics* (New York: Oxford University Press, 2016), and over 25 peer-reviewed articles in *International Security*, *International Studies Quarterly*, *Security Studies*, and other high quality outlets.

**BERNARD D. COLE** served from 1965-1995 as a Surface Warfare Officer, including tours as CO, USS Rathburne (FF1057) and Commander, Destroyer Squadron 35. He was the Amphibious Ready Group's Boat Group Commander during several amphibious operations in Vietnam in 1966-1967, and a Naval Gunfire Liaison Officer with the 3rd Marine Division in Vietnam from June 1967 to June 1968.

Cole then served as a Professor of Maritime Strategy at the National War College from 1995 to 2015. He is currently on the China team at CNA.

Cole has written eight books, most recently *China's Quest for Great Power: Ships, Oil, and Foreign Policy in China*, published in November 2016. He was named U.S. Naval Institute Press "Author of the Year" for 2014.

Cole earned an A.B. in History (University of North Carolina), M.P.A. in National Security Affairs (University of Washington), and Ph.D. in History (Auburn University).

**THOMAS FEDYSZYN** has been a member of the U.S. Naval War College's Naval Security Affairs faculty since 2000 and serves as Senior Advisor to the Russia Maritime Studies Institute. He received a Ph.D. from the Johns Hopkins University in Political Science while on active duty. His 31-year naval career included military assignments as the U.S. Naval Attaché to Russia and two tours at NATO Headquarters in Brussels. He commanded the USS Normandy (CG 60) and USS William V. Pratt (DDG 44) and deployed them to the Mediterranean, Baltic and Norwegian Seas. He was a principal contributor to both the Lehman-era Maritime Strategy and NATO's Strategic Concept (1991) following the Cold War. He has developed recognized expertise and has published widely on the Russian Navy, maritime strategy and NATO strategy. His most recent articles in the U.S. Naval Institute *Proceedings* included "The Russian Navy 'Rebalances' to the Mediterranean", "The Putin-Roosevelt Connection" and "Putin's 'Potemkin-plus' Navy."

**RACHAEL GOSNELL** is originally from Accident, MD. Lieutenant Commander Rachael Gosnell graduated from the U.S. Naval Academy with a BS in Political Science, with honors. At sea, she served onboard USS Shiloh (CG-67), USS Harry S. Truman (CVN-75) and USS Stockdale (DDG 106).

Ashore, LCDR Gosnell was first stationed in La Maddalena, Italy. Selected for the Navy's Political-Military Master's Program, she earned a MA in International Security Studies, with honors, from Georgetown University. LCDR Gosnell then served in OPNAV 513 Strategy & Policy and as Speechwriter for the Chief of Naval Operations.

She holds a Masters of Engineering Management from Old Dominion University and is pursuing doctoral studies at the University of Maryland. LCDR Gosnell is assigned to the Political Science Department at the U.S. Naval Academy. Awards include Meritorious Service Medal, Navy Commendation Medal (4), Navy Achievement Medal (2), Top Gunner Award, Newport Navy League Award, and various campaign and unit awards.



**NIRMAL VERMA** was commissioned into the Indian Navy in 1970. The Admiral assumed charge as the 20th Chief of the Naval Staff on August 31, 2009 and concurrently held charge as the Chairman, Chiefs of Staff Committee from June 2011. He retired from service in 2012 on completion of a career spanning over four decades. The Admiral's four decades of service afforded him varied experience in command, staff and training assignments, afloat as well as ashore. He had the privilege of commanding three ships during his naval career, including the coveted command of an aircraft carrier. Admiral Verma's career has provided him vast amalgamated experience at the national and international level. Early in his career, he was a member of the naval crew that trained in the former Soviet Union and commissioned India's first Kashin class destroyer in 1980. Admiral Verma attended mid and senior level professional courses at the Royal Naval Staff College, Greenwich, UK and the Naval Command Course at the Naval War College, Newport, RI, USA respectively. The Admiral is a post graduate in Defence Studies from Chennai University, India. In his assignments as a Flag Officer, the Admiral has steered the development of maritime capability, formulation of the acquisition policy, guided the HRD program of the Indian Navy, and structured the framework of transformation of the Navy's combat capability and infrastructure development. Admiral Nirmal Verma is a recipient of the Param Vishisht Seva Medal and Ati Vishisht Seva Medal, awarded to him by the Government of India for his meritorious service. Post retirement from the Navy, the Admiral was nominated by the Government of India as the High Commissioner to Canada. He relinquished charge in November 2014. The Admiral is currently the U.S. Chief of Naval Operations Distinguished International Fellow at the Naval War College, Newport, RI.

### PANEL 3: ECHOES OF THE FIRST WORLD WAR IN THE TWENTY-FIRST CENTURY

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**JAMES W.E. SMITH** is a British PhD researcher in the Laughton Naval Unit, Department of War Studies, King's College London. His research investigates and details the abolishment of the British Admiralty while then exploring theoretical debates about naval strategy and doctrine which goes to the root questions of how navies, 'think, learn write and speak'. His research also closely examines the higher organisation of defence, command/control and the management of navies in the defence ministry/department era.

James leads various projects within the Laughton Unit such as regenerating naval war gaming and providing evidence to the British Government on post Brexit defence strategy. Senior Falklands War command-level veterans sponsored his progression into higher education.

**BENJAMIN ARMSTRONG** is a former Navy helicopter pilot currently serving in the History Department of the U.S. Naval Academy. He has deployed as an amphibious search and rescue and logistics pilot and as the OIC of a helicopter gunship detachment. He served in the Pentagon as a strategic analyst and on the personal staff of the Secretary of the Navy. CDR Armstrong is widely published on naval history, strategy, and maritime affairs in professional and academic journals, is the recipient of both the Alfred Thayer Mahan Award from the Navy League and the General Roy Geiger Award from Marine Corps Historical Foundation, and is the editor of the 21st Century Foundations series from the Naval Institute Press. A graduate of the U.S. Naval Academy he holds an MA in Military History from Norwich University, and has successfully defended his PhD with the War Studies Department, King's College, London.

**NATHANIEL "NAT" M. SIMS** is a cardiac anesthesiologist at Massachusetts General Hospital, an assistant professor at Harvard Medical School, and a researcher and medical device inventor. He is also the grandson of U.S. Navy admiral William S. Sims. Dr. Sims holds numerous U.S. patents and has received awards for his contributions to patient safety, including the 2016 establishment of the Nathaniel M. Sims, MD, Endowed Chair in Anesthesia Innovation and Bioengineering at Massachusetts General Hospital. Dr. Sims remains heavily involved with the Naval War College, where his grandfather twice served as President (February–April 1917 and April 1919–October 1922).

**NICHOLAS JELlicoe** Author of *Jutland. The Unfinished Battle* and designer of *Jutland1916.com*, Nick Jellicoe's grandfather, Admiral Sir John Jellicoe, commanded the Grand Fleet for the first two years of the First World War. He is currently writing a book on the Scuttling of the German Fleet at Scapa Flow in 1919.

After studying Chinese politics, Nick worked in advertising and then worked with American Express and Rolex. He ran global communications for the Swiss watch manufacturer. He is married and he and his Peruvian wife have two daughters.

**DAVID KOHNEN** earned the PhD with the Laughton Professor of Naval History in the War Studies Department at the University of London (King's College London). As a maritime historian, he concentrates on naval strategy, operations, and organizational group dynamics. Focusing on these general themes, he edited the works of Commodore Dudley W. Knox to examine historical foundations in contemporary maritime affairs in, *21st Century Knox: Influence, Sea Power, and History for the Modern Era* (Naval Institute Press, 2016). In his previous book, Kohnen focused on the transatlantic alliance between the British Empire and United States in, *Commanders Winn and Knowles: Winning the U-Boat War with Intelligence* (Enigma Press, 1999). Looking to the future, Kohnen is completing a book (based upon his dissertation) to reconsider the underlying influence of history upon American concepts of "sea power" in, *Commander in Chief, U.S. Navy: Admiral Ernest J. King and his Headquarters during the Second World War*.

Outside of his scholarly work, Kohnen contributed to the award winning historic warship exhibits and remains involved with historic preservation efforts surrounding the former German submarine *U-505* in Chicago and the battleship USS Wisconsin (BB-64) in Norfolk, Virginia.

## PANEL 4: GEO-ECONOMICS AND MARITIME SECURITY

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**JENNIFER M. HARRIS** is senior fellow at the Council on Foreign Relations. Prior to joining the Council, Harris was a member of the policy planning staff at the U.S. Department of State, responsible for global markets, geoeconomic issues, and energy security. In that role, Harris was a lead architect of Secretary of State Hillary Clinton's economic statecraft agenda, which launched in 2011. Before joining the State Department, Harris served on the U.S. National Intelligence Council staff, covering a range of economic and financial issues.

Her work has appeared in the *New York Times*, *Foreign Affairs*, *Washington Post*, and CNN, among other outlets. A Truman and Rhodes Scholar, she holds degrees in economics and international relations from Wake Forest University (BA) and the University of Oxford (MPhil), and a JD from Yale Law School. Harris is the author of *War by Other Means: Geoeconomics and Statecraft*, coauthored with Robert Blackwill.

**ROCKFORD WEITZ**, Ph.D. is Professor of Practice & Director, Maritime Studies Program at Tufts University's Fletcher School of Law and Diplomacy, where he teaches courses on Global Maritime Affairs and Maritime Security. He also serves as President of the Institute for Global Maritime Studies and President & CEO at Rhumb Line International LLC. A serial entrepreneur, Rockford served as founding Executive Director at FinTech Sandbox Inc., founding CEO at CargoMetrics, and international counsel at Schweitzer Engineering Laboratories Inc. He also worked at the U.S. Trade Representative, and co-founded the Borgenicht Peace Initiative. He serves on the Board at several non-profits, including Blue Water Metrics. Rockford has published op-eds in *The New York Times*, *Christian Science Monitor*, and *Straits Times (Singapore)*, among others. He earned a J.D. from Harvard Law School, M.A.L.D. and Ph.D. degrees from the Fletcher School and a B.A. in International Relations: Political Economy from the College of William and Mary.

**SARAH A. EMERSON** is the President of Energy Security Analysis, Inc (ESAI), an independent energy research and forecasting firm. She has developed many of ESAI's proprietary analytical tools for assessing the liquid fuels markets and forecasting oil prices. ESAI Energy provides research and forecasting support on a retainer basis and through bespoke consulting projects to energy companies and governments.

Ms. Emerson is also an expert witness in energy sector arbitration and has testified before the U.S. Senate Energy Committee and the Department of Commerce, and advised to the U.S., Japanese and Indian governments on energy security issues.

In 2004 and 2005, she was the Repsol-YPF Senior Fellow at the Center for Business and Government at Harvard University. Ms. Emerson received her B.A. from Cornell University and her M.A. from the Johns Hopkins University Nitze School of Advanced International Studies.

**ERIC V. THOMPSON** is vice president and director of CAN Strategic Studies. As a Middle East political and military affairs specialist, he has traveled extensively in North Africa, the Persian Gulf, and the Levant, working closely with U.S. and regional military and civilian leadership. His most recent work has addressed counterterrorism operations, security cooperation activities, military-to-military relations with Egypt, interoperability with Turkish and Algerian maritime forces, and coalition building for military operations in the CENTCOM region.

Thompson's research and analysis extends beyond the Middle East. He has led studies addressing interoperability with NATO navies, global force structure requirements, the implications of the deployment of theater ballistic missile defense systems, the use of distance learning technology in preparing for coalition operations, the effectiveness of Partnership for Peace programs, and future security cooperation priorities for the U.S. military. Thompson is also an adjunct professor at Catholic University of America, where he teaches graduate classes on terrorism and other national security issues. Prior to joining CNA, he was an adjunct professor of international relations and history at the Virginia Military Institute, where he taught courses in Middle East history, international relations and American government, and served as the director of the Model Arab League program.

**NIKOLAS K. GVOSDEV** is a professor of national security affairs at the U.S. Naval War College and currently serves as the director of the Policy Analysis sub-course in the National Security Affairs Department. He is also the holder of the Captain Jerome E. Levy Chair in economic geography and national security. He was the Editor of *The National Interest* and remains a senior editor at the magazine. He also holds a non-residential senior fellowship at the Foreign Policy Research Institute. Dr. Gvosdev is a co-author of *U.S. Foreign Policy and Defense Strategy: The Evolution of an Incidental Superpower* (2015). He previously published *Russian Foreign Policy: Interests, Vectors and Sectors* (with Christopher Marsh) in 2013.

## PANEL 5: *TECHNOLOGY, INNOVATION, AND FORCE STRUCTURE*

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**PETER DOMBROWSKI** is a professor of strategy in the Strategic Research Department at the Naval War College. Previous positions include director of the Naval War College Press, editor of the *Naval War College Review*, co-editor of *International Studies Quarterly*, Associate Professor of Political Science at Iowa State University and defense analyst at ANSER, Inc. He has also been affiliated with research institutions including the East-West Center, The Brookings Institution, the Friedrich Ebert Foundation, and the Watson Institute for International Studies at Brown University among others. Dr Dombrowski is the author of over fifty-five books, monographs, articles, book chapters and government reports. Awards include a Chancellor's Scholarship for Prospective Leaders from the Alexander von Humboldt Foundation, the Navy Meritorious Civilian Service Medal, and the Navy Distinguished Civilian Service Medal. He received his B.A. from Williams College and an M.A. and Ph.D. from the University of Maryland.

**ISAAC MAYA** is Senior Research Fellow at the Office of University Programs in the DHS Science and Technology directorate, detailed to the USCG. He is an expert in research transition, executive management and strategic planning, with successes in the start-up/early phase of university centers and high technology businesses, and in leading high technology academic and industrial research and development transition to practical applications. While at the University of Southern California, Dr. Maya has achieved measurable results in technology transfer, licensing and commercialization of prototype technologies (over 100 technology transfers and commercial licenses), increased faculty awareness and appreciation for patent protection of intellectual property (100 invention disclosures filed), and facilitated the creation of spin-off companies (8). His personal contribution in achieving multidisciplinary research results with impact has been broadly recognized by government clients and university colleagues. He has 68 refereed journal publications and conference proceedings and 58 other technical reports, spanning a broad spectrum of disciplines, including power/energy generation, chemical engineering, and program/project management.

**PHILLIP SOBECK** enlisted in 1985 as a Machinist Mate (Nuclear). After his appointment to, and graduation, he was commissioned as an Ensign from United States Naval Academy class of 1991. His first duty station was onboard USS Hawes (FFG 53), where he deployed to the Sixth Fleet Area of Operations. CAPT Sobeck became Director for Future Strategies in August 2016. At sea, CAPT Sobeck served aboard USS Hawes (FFG 53), USS Gonzalez (DDG 66), USS McFaul (DDG 74), COMDESRON FIFTY (CDS 50), and first combined US-UK destroyer squadron (1 CDS) embarked on Harry S. Truman (CVN 75). CAPT Sobeck has commanded USS Avenger (MCM 1), USS Ardent (MCM 12), USS Farragut (DDG 99), and COMDESRON FIFTY (CDS 50), CTF 55. Ashore, CAPT Sobeck has served as PERS 410B, Bureau of Naval Personnel, Executive Assistant (EA) to the Commandant of Midshipman, Deputy Director for Maritime Security (PM/ ISO) U.S. State Department, EA to CNO's Executive Learning Officer, Deputy Director Flag Officer Management and Detailing (PERS N00F), Senior Military Assistant to USD P&R, and Deputy EA to U.S. Fleet Forces Command. As a Washington DC Naval Fellow, CAPT Sobeck earned his Master of Arts in Organizational Management from George Washington University. He was also selected as a fellow for MIT's Seminar XXI Strategic Studies Program in 2007. His awards are based on being surrounded by incredible shipmates and they include the Defense Superior Service Medal, Legion of Merit, Meritorious Service Medal, U.S. State Department Meritorious Honor Award, Royal Navy Fleet Commander's Commendation, and various unit and campaign awards.

**SCOTT M. SMITH** serves as the commander of Pre-Commissioning Unit Michael Monsoor (DDG 1001).

Captain Smith's operational assignments include deployments from the east and west coast in USS Donald B. Beary (FF 1085); USS Cole (DDG 67); USS Stethem (DDG 63); USS Ramage (DDG 61), and, as Chief Staff Officer for the Commander, Destroyer Squadron 28 embarked in USS Eisenhower (CVN 69) and USS Boxer (LHD 4).

Crews from these ships cumulatively earned multiple Battle Efficiency Awards, and Joint, Navy, and Meritorious Unit Commendations.

Captain Smith commanded USS Klakring (FFG 42) from 2009-2011 and deployed independently to the Black, Adriatic, and North Seas, and nine months later, circumnavigated South America as part of the UNITAS exercise series. Klakring's crew garnered consecutive "Golden Anchor" Awards for Retention Excellence; the Ship's Service Excellence Award; the Unit Tactics Award; and, the Battle Efficiency Award.

Ashore, CAPT Smith served as a Combat Systems Instructor at Surface Warfare Officers School; as a strategist in the Commander's Action Group (CAG) and Speechwriter to the Commander, U.S. Fleet Forces Command; as a strategist in the Chairman's Action Group (CAG) and Speechwriter to the 18<sup>th</sup> Chairman of the Joint Chiefs of Staff, General Martin Dempsey; and, as the Deputy to the Secretary of Defense's Senior Advisor for Military Professionalism.

He holds a Bachelor's Degree in Economics from the Virginia Military Institute and Master's Degrees from the University of Massachusetts (Professional Writing) and the National War College (National Security Strategy).

In addition to awards earned with his shipmates, he has received the United States Navy League Scroll of Honor and the Navy League City of Newport Award. He is a certified Explorador Del Estrecho de Magallanes and an Honorary Admiral in the Navy of the State of Alabama. With his shipmates in Michael Monsoor (DDG 1001), he is an Honorary Currahee – a member of the 506<sup>th</sup> Infantry Regiment.

When not at sea, he enjoys fly-fishing, boxing, reading, and writing; he does passingly well at one of them. He may also be found as a stage hand and sometime extra in his daughters' plays or, with his wife fixing up old homes – mainly theirs in Northern Virginia.

**TIM SCHULTZ** joined the U.S. Naval War College faculty in 2012 as an Air Force colonel and became the Associate Dean of Academics in 2014 after retiring from active duty. He served as the Dean of the U.S. Air Force's School of Advanced Air and Space Studies from 2009-2012. Tim earned his Ph.D. in the History of Science and Technology from Duke University in 2007. His research interests include the transformative role of automation in warfare and the impact of technological change on institutions, society, and military strategy. He is a 1988 graduate of the U.S. Air Force Academy and studied at Colorado State University, Fort Collins (M.S. in Cellular Biology), the Air Command and Staff College (M.A. in Military Operational Art and Science), and the School of Advanced Air and Space Studies (M.A. in Airpower Art and Science). He spent much of his aviation career as a U-2 pilot.

## SEA CONTROL PANEL

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**SAM J. TANGREDI** is Professor of National, Naval and Maritime Strategy in the Center for Naval Warfare Studies of the U.S. Naval War College, accepting that position in 2016. He has wide experience as a strategic planner and director of strategic planning teams, leading research and analysis in the areas of national security strategy, future security environment, globalization, joint operations, and international military cooperation.

He has published five books, over 150 journal articles and book chapters, and numerous reports for a wide range of government and academic organizations. His writings have won 14 professional literature awards.

Among other subjects, he is an expert on anti-access/area denial strategies and access to the global commons and is author of *Anti-Access Warfare: Countering A2/AD Strategies* (Naval Institute Press, 2013).

Dr. Tangredi is a retired U.S. Navy Captain and surface warfare officer and naval strategist who held command at sea and was Head of the Strategy and Concepts Branch of the Navy Staff and founding Director of the Strategic Planning and Business Development Directorate of the Navy International Programs Office. Following retirement from active duty he worked as a consultant and independent scholar.

**PETER D. HAYNES** is a Senior Fellow at the Center for Strategic and Budgetary Assessments (CSBA). His tours included: Deputy Director, J5, U.S. Special Operations Command; Director, J5, Combined Joint Task Force – Horn of Africa; Chief, Advanced Concepts, OPNAV N511; Chief, Strategy and Concepts, OPNAV N513; and Desk Officer, Russia/Ukraine, Joint Staff J5. He flew the E-2C Hawkeye, deploying in support of Desert Storm, Southern Watch, and, as the CO of VAW-112, Iraqi Freedom. Awards include: Defense Superior Service Medal (2), Legion of Merit, Air Medal with Combat “V”, and the Navy/Marine Corps Commendation Medal with Combat “V”. He holds a Ph.D in Security Studies and a M.A. in National Security Affairs from the Naval Postgraduate School and a B.A. in History from the University of Notre Dame. He is the author of *Toward a New Maritime Strategy: American Naval Thinking in the Post-Cold War Era* (2015).

**CHRISTOPHER PARRY** read Modern History at Jesus College, Oxford, then spent 36 enjoyable, rewarding years in the Royal Navy as an aviator and warfare officer. He commanded the destroyer HMS Gloucester, the Amphibious Assault Ship HMS Fearless, the UK’s Amphibious Task Group and the Maritime Warfare Centre. He also had five senior Joint and UK Ministry of Defence appointments, with responsibility for the policy, effectiveness and operational development of all three armed forces out to 2030.

As well as sailing every sea, he experienced regular operational tours and combat operations in Northern Ireland, the Gulf and the Falklands, where he was decorated for his part in rescuing 16 SAS from a glacier in South Georgia and for the detection and disabling of the Argentinian submarine Santa Fe. His Falklands diary was published as the best-selling, *Down South* by Viking Penguin in 2012.

Nowadays, he runs his own strategic forecasting company, advising governments, leading commercial companies and banks about geo-political and strategic issues, future trends, disruptive technologies and systemic risk.

He is an active author, most recently with the influential *Super Highway: Sea Power in the 21st Century*, published in May 2014. He also won the Maritime Foundation’s 2015 Maritime Media Award and has just completed a PhD.

**JAMES HOLMES** is a professor of strategy at the U.S. Naval War College and 2016 recipient of the Navy Meritorious Civilian Service Medal. He previously served on the faculty of the University of Georgia School of Public and International Affairs. He is a former U.S. Navy surface-warfare officer and military professor of strategy at the Naval War College. He was the last gunnery officer to fire a battleship’s big guns in anger, in 1991.

Jim is a Phi Beta Kappa graduate of Vanderbilt University and completed graduate work at Salve Regina University, Providence College, and the Fletcher School of Law and Diplomacy at Tufts University. He was the top graduate in his Naval War College class. His book *Red Star over the Pacific* was designated an *Atlantic Monthly* Best Book and named to the Navy Professional Reading List as Essential Reading.

General James Mattis has pronounced him “troublesome.”



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