

# October 2016

## Early Warning, SSP MIT

### **Nuclear Security Fellows, 2016-17**



With the support of the Stanton Foundation, the Security Studies Program has launched a Nuclear Security Fellows Program for junior faculty as well as pre-doctoral and post-doctoral scholars. The Nuclear Security Fellows Program seeks to stimulate the development of the next generation of thought leaders in nuclear security by supporting research that will advance policy-relevant understanding of the subject. With the support of the Stanton Foundation, fellowships are available for pre-doctoral and post-doctoral

scholars and for junior faculty. Fellows are expected to produce policy-relevant research, including book manuscripts, draft articles, dissertations, chapters in edited volumes, or reports. Nuclear security is defined broadly to include nuclear terrorism, nuclear proliferation and nonproliferation, nuclear weapons, nuclear doctrine and force structure, nuclear energy as it relates to nuclear security, and other topics that involve nuclear security.

**Zoë I. Levornik** is our new postdoctoral fellow at the Stanton Nuclear Security Program at MIT's Security Studies Program (SSP). Prior to SSP she was a researcher at the National Security Studies Center (NSSC) at the University of Haifa. Her research interests include IR Theory, Constructivism, Nuclear Proliferation, Nuclear policy, Cultural diplomacy, and Arab-Israeli Relations.

**Joey P.A. O'Mahoney** is our new Stanton Junior Faculty Fellow at the Stanton Nuclear Security Program at MIT's Security Studies Program (SSP). He joins us from Seton Hall University where he is Assistant Professor from the School of Diplomacy and International Relations.

## Military Fellows, 2016-17



**Lieutenant Colonel Daniel Coleman** is a 1990 graduate of Luther College in Decorah, IA where he earned a Bachelor of Arts Degree in Political Science. He also holds a Master's Degree in Political Science from Iowa State University, Ames, IA. Commissioned in December 1995, Lieutenant Colonel Coleman has served as a Logistics Officer in the operating forces with 3rd Marine Aircraft Wing, 1st Marine Division,

and 2d Marine Logistics Group. Outside of the operating forces, Lieutenant Colonel Coleman served staff tours at Manpower and Reserve Affairs Department, Headquarters Marine Corps and US Joint Forces Command in Suffolk, Virginia. Lieutenant Colonel Coleman's most recent assignment was as the Commanding Officer of Combat Logistics Battalion 26, 2d Marine Logistics Group, II Marine Expeditionary Force. From October 2015 to May 2016, Lieutenant Colonel Coleman deployed with the 26th Marine Expeditionary Unit aboard the KEARSARGE Amphibious Ready Group. He was selected as a Commandant of the Marine Corps Fellow for Academic Year 2016-17 with the Security Studies Program, Massachusetts Institute of Technology. Lieutenant Colonel Coleman is a graduate of the U.S. Army's Combined Logistics Captain's Career Course, the U.S. Army Command and General Staff College, and the Joint and Combined Warfighting School.

**Lieutenant Colonel Shawn Creamer** was commissioned at The Citadel as an Infantry Officer in 1995. He has been selected for promotion to Colonel and is currently an Army War College Fellow with the Massachusetts Institute of Technology Security Studies Program. His troop command and staff assignments include over ten years of service in foreign lands, including eight years to the Republic of Korea and two twelve-month deployments to Iraq. Notable assignments include duty with the National Ground Intelligence Center, the Iraq Assistance Group, the Stryker vehicle manager at Department of the Army, the Weapons of Mass Destruction – Elimination (WMD-E) mission planner at Eighth Field Army, and the Alliance and Multinational Policy Advisor with the United States Forces Korea (detached in support of the Combined Forces Command and United Nations Command). He has commanded infantry units through the battalion level. He last commanded a combined United States / Republic of Korea WMD-E Battalion Task Force that consisted of 92 embedded Korean soldiers and a direct support Korean Infantry Company and U.S. Chemical Company.

**Lieutenant Colonel Ronald Gilbert** is a Security Studies Program Fellow at Massachusetts Institute of Technology responsible for providing Air Force perspective on topics surrounding international security, foreign policy and the application of military power. Prior to MIT, Colonel Gilbert was assigned to Headquarters Air Combat Command as Director of the Commander's Action Group leading an elite team of action officers supporting the Commander in organizing, training and equipping combat forces numbering more than 1,300 aircraft, 98,000 personnel at over 170 operating locations worldwide. Lieutenant Colonel Gilbert recently deployed as an F-22A Squadron Commander leading 205 personnel from the 95th Fighter Squadron to combat for Operation INHERENT RESOLVE. The squadron flew 1152 combat hours on 180 missions dropping 171 weapons on strategic Islamic State targets, earning multiple accolades for their actions including the 2015 Raytheon Trophy as the Top Fighter Squadron in the Air Force. Lieutenant Colonel Gilbert attended the Air Force Academy, receiving his commission in 1998. Over the years, he has served in positions at the Squadron, Group, and Wing levels at home and abroad in the European and Pacific theaters. Colonel Gilbert is a Command Pilot with more than 2,000 flying hours in the T-37, T-38, AT-38, F-15C/D and F-22A and holds two Master's Degrees in Business and Operations Research.

**Commander Robert Holmes** graduated from Bryant University with a Bachelor of Science degree in Business Administration and Webster University with a Master of Arts degree in Management. He was commissioned in November 1996 and designated a Naval Flight Officer in March 1998. He commanded the "Scorpions" of Electronic Attack Squadron (VAQ) 132 from May 2015 to July 2016. The squadron deployed twice to the Western Pacific and earned back-to-back Battle Efficiency "E," CNO Safety "S," Retention Excellence and Medical Blue "M" awards. Prior to squadron command, his afloat tours included service at VAQ-136 forward-deployed to Atsugi, Japan, as a department head, Carrier Strike Group TWELVE as a Flag Lieutenant, Carrier Air Wing ONE as the Assistant Operations Officer and VAQ-132 as a junior officer. He has flown combat missions supporting Operations JOINT GUARDIAN, SOUTHERN WATCH, IRAQI FREEDOM and ENDURING FREEDOM. Ashore, he served at the White House Office of National Drug Control Policy as the Mexico & Central America Policy Analyst and at the Joint Information Operations Center as an Information Operations planner. He has accumulated more than 2,450 flight hours and 600 carrier-arrested landings in the EA-18G, EA-6B and F/A-18F.

**Lieutenant Colonel Joe Vongs** enlisted in the Army in 1989 as a Russian Interrogator. He was nominated, attended, and graduated West Point in 1996 with a BS in Engineering Psychology and commissioned as a Military Intelligence (MI) Officer. Joe's first post was to Schofield Barracks, Hawaii as the assistant intelligence officer of an infantry battalion, then Brigade, and culminated as a platoon leader for an intelligence platoon. Joe went to Fort Hood, Texas, serving as the intelligence officer for a cavalry squadron, then helicopter brigade that invaded Iraq in 2003. While deployed, he assumed command of an intelligence company. Upon redeployment, he transferred to US Army South in San Antonio as a planner until 2007. After military schooling and earning a MA in Management, Joe deployed as an intelligence advisor for an Iraqi Brigade in Tal Afar. In 2009, he joined Joint Interagency Task Force South (JIATFS) in Key West, FL, the nation's large scale

counter-drug unit, as a targeting officer and aide de Camp to the JIATFS Director, a Coast Guard Rear Admiral. In 2012, Joe taught as Professor of Military Science at the University of Toledo before arriving to Fort Bragg, NC to command a 300 Soldier intelligence battalion. His unit deployed to Afghanistan, redeploying in October 2015. Post command, he was an intelligence chief for the 18th Airborne Corps, the nation's world-wide quick reaction force. Recently selected for promotion to Colonel, Joe is an Army War College Fellow at MIT and Lincoln Laboratory.

## What we wrote

### **Noel Anderson (Graduate Student)**

"Why Victories in Battle Have Not Yet Finished the War Against al-Shabaab," *Survival* 58(4): 51-62.

### **M. Taylor Fravel (Faculty)**

["What will Guide China's Response to the South China Sea Tribunal Ruling,"](#) *South China Morning Post*, July 8, 2016.

["Traditional Fishing Grounds and China's Historic Rights Claims in the South China Sea,"](#) *Maritime Awareness Project*, July 11, 2016.

["China's Claims in the South China Sea Rejected,"](#) *ChinaFile*, July 12, 2016.

["What is the Future of the South China Sea?"](#) *ChinaFile*, July 12, 2016.

["Why Does China Care So Much about the South China Sea? Here are 5 Reasons,"](#) *The Washington Post*, July 13, 2016.

### **Eugene Gholz (Alum, '00)**

with Llewelyn Hughes (alum), "Energy, Coercive Diplomacy, and Sanctions," in Thijs Van de Graaf, Benjamin K. Sovacool, Arunabha Ghosh, Florian Kern, and Michael T. Klare, eds., *Palgrave Handbook of the International Political Economy of Energy* (New York: Palgrave, 2016), pp. 487-504.

"U.S. Spending on its Military Commitments to the Persian Gulf," in Charles L. Glaser and Rosemary A. Kelanic, eds., *Crude Strategy: Reexamining the Energy Logic of the U.S. Military Commitment to the Persian Gulf* (Washington: Georgetown University Press, 2016).

“Maintaining U.S. Energy Security,” in Christopher Preble, Emma Ashford, and Travis Evans, eds., *Our Foreign Policy Choices: Rethinking America’s Global Role* (Washington, DC: Cato Institute, 2016), pp. 71-74.

**Kelly M. Greenhill (Alum, 04)**

“Unpacking the Facts Behind Europe’s ‘Odd Migration Policy Choices’,” invited contribution to a debate on the EU migration crisis in the *APSA Migration and Citizenship Newsletter* (August 2016).

**Gregory Koblentz (Alum, ’04)**

“Quandaries in Contemporary Biodefense Research,” in Filippa Lentzos, ed., *Biological Threats in the 21st Century* (London: Imperial College Press, 2016), pp. 303-328.

[“Saddam Versus the Inspectors: The Impact of Regime Security on the Verification of Iraq’s WMD Disarmament.”](#) *Journal of Strategic Studies*, Vol. 40, No. 1 (2017).

**Alan Kuperman (Alum, ’02)**

“Humanitarian Intervention,” in *Human Rights: Politics and Practice*, 3rd edition, ed. Michael Goodhart (Oxford: Oxford University Press, 2016): 370-388.

**Christine M. Leah (Stanton Fellow, ’14-15)**

with Elmar Hellendoorn, [“Is It Time for Nuclear Sharing in East Asia?”](#) *The Diplomat*, September 19, 2016.

**Philip Martin (Graduate student)**

[“Why Zimbabwe’s Military Sticks with Mugabe.”](#) *Foreign Affairs*, September 12, 2016.

**Harvey M. Sapolsky (Faculty)**

with Elizabeth S. Barnes, [“Warsaw: NATO’s Theater of the Absurd.”](#) *The National Interest*, July 8, 2016.

[“Move to the North Atlantic’s First Island Chain.”](#) *Dollars & Defense*, August 15, 2016.

**Jayita Sarkar (Research Fellow)**

[“Three concrete steps toward South Asian nuclear stability.”](#) in *The Bulletin of the Atomic Scientists*, Sep. 13, 2016.

**Caitlin Talmadge (Alum, ’11)**

Response to Reviews of my book *The Dictator’s Army: Battlefield Effectiveness in Authoritarian Regimes*, H-Diplo Roundtable, July 18, 2016.

**Christopher Twomey (Alum, '05)**

"The Asian Nuclear System in Comparative and Theoretical Context," APSA Annual Meeting, Philadelphia, PA, August 2016.

**Paul F. Walker (Alum, '78)**

"Chemical Weapons Use in Syria: The Need for Accountability," *Arms Control Today*, August 18, 2016.

"Cooperative Threat Reduction in the former Soviet states: legislative history, implementation, and lessons learned," *The Nonproliferation Review*, Vol. 23:1-2 (September 2016), pp. 115-129.

**Jim Walsh (Faculty)**

["Same as It Ever Was or Something Different? Sanctions Implementation under UNSC 2270,"](#) *Asan Institute*, August, 2016.

with **John Park (Research Affiliate)**, ["Stopping North Korea, Inc.: Sanctions Effectiveness and Unintended Consequences,"](#) *MIT Security Studies Program*, August, 2016.

with Frank Wisner, ["Let's be diplomatic: We can leverage the Iran deal to help solve problems,"](#) *Pittsburgh Post-Gazette*, September 13, 2016.

["Latest Anti-JCPOA Attack Fails to Make Its Case,"](#) *Lobeblog*, September 2, 2016.

**David Weinberg (Alum '12)**

"Fifteen Years Since Pivotal Executive Order, STORM Act Could Help Fight Terror Finance," *The Hill*, September 23, 2016.

**New book**, [\*Crude Strategy: Rethinking the US Military Commitment to Defend Persian Gulf Oil\*](#) (Georgetown University Press, 2016), published on July 8, 2016. Authors include: Salim Yaqub, Daniel Byman, Kenneth R. Vincent, Thomas W. Lippman, Joshua Rovner, Eugene Gholz, John Duffield, Charles L. Glaser and Rosemary A. Kelanic, and Caitlin Talmadge.

# Where we spoke

## **David Blum (Alum, '04)**

Served as a member of the panel on "Threat Analytics in Finance" at the 2016 Regulatory Data Workshop, put on by the US Financial Stability Oversight Council.

## **M. Taylor Fravel (Faculty)**

"Will Hague Tribunal's South China Sea Ruling Inflammate U.S.-China Tensions?" *NPR*, July 13, 2016.

## **Eugene Gholz (Alum, '00)**

"The Role of American Military Power," Public debate with Eliot Cohen organized by the Clements Center on History, Strategy, and Statecraft and the Alexander Hamilton Society, Austin, TX, September 19, 2016.

"No Man's Sea: Responding to A2/AD in the Pacific," Presentation at the Army and Navy Club, Washington, DC, September 15, 2016.

"The Case for Restraint," Presentation at a Charles Koch Institute dinner salon, Washington, DC, September 14, 2016.

with Andrew James, "China in the U.S. Defense Supply Chain: Assessing Dependence and Vulnerability," Paper presented at the American Political Science Association Annual Meeting, Philadelphia, PA, September 2, 2016.

## **Brendan Green (Alum, '11) and Austin Long (Alum, '10)**

"Clandestine Capabilities in World Politics" for a project on "New Technologies and Deterrence" funded by the Carnegie Corporation of New York; at Renmin University, Beijing (August), with invited talks on the same topic at Lawrence Livermore National Laboratory, Livermore, CA (August), American Political Science Association Annual Meeting (September), and Conference on Conflict and Cooperation in the Nuclear Age, Yale University, New Haven, CT, (September).

## **Kelly M. Greenhill (Alum, '04)**

"International Security: Foreign Policy Challenges for the Next President," Portsmouth Public Library, Portsmouth, NH, jointly-sponsored by the Library and the New Hampshire World Affairs Council (September 2016).

Participated in a panel at Tufts University, Medford, MA on the 2016 presidential election (September 2016).

“Merchants of Menace: Extra-factual Sources of Threat Conception and Proliferation,” at the UCF Intelligence Community Center for Academic Excellence, Orlando, FL (August 2016).

**Gregory Koblentz (Alum, '04)**

“The North Korean Nuclear Conundrum,” presentation to the Speaking Truth to Nonproliferation Workshop, Nonproliferation Policy Education Center, Livermore, CA, August 9, 2016.

“Strategic Stability in the Second Nuclear Age,” presentation to the Center for Global Security Research, Lawrence Livermore National Laboratory, Livermore, CA, August 10, 2016.

On August 23, Gregory Koblentz briefed the United Nations Security Council as part of an open debate on preventing the proliferation of weapons of mass destruction to non-state actors. This presentation, titled “Science, Technology, and Terrorism in the 21st Century: Implications for Resolution 1540,” focused on the risks posed by emerging technologies that could enable non-state actors to more easily acquire weapons of mass destruction and the means to deliver them. The debate was held in support of the comprehensive review of UNSCR 1540. The text of his comments can be found [here](#) and a video of his presentation (from 27:20 to 38:10) can be found [here](#).

**Peter Krause (Alum, '11)**

“Winning the ‘War of Position’: Measuring and Explaining Insurgent Organizational Success,” RAND, September 2016.

“To Which Victor Go the Spoils? Hierarchy and the Impact of Group Strength on Regime Capture,” American Political Science Association, September 2016.

“Understanding the Roots of Syria’s Refugee Crisis,” Choices Program, Brown University, Watson Center for International Studies, July 2016.

“Briefing: The Syria Crisis Now,” Primary Source, July 2016.

“The Middle East & North Africa Since the Arab Uprisings—And What Might Come Next,” Primary Source, July 2016.

**Sarah Lischer (Alum, '03)**

“Mass Migration and Its Potential Consequences,” briefing delivered at the United States Military Joint Staff, Human Geography Futures Seminar, held at Johns Hopkins University Applied Physics Lab, Laurel MD, September 13-14.



**Roger Petersen (Faculty)**

Participant in “Emotions, Ideologies, and Unconventional Political Violence,” sponsored by the Independent Social Research Foundation held at Girton College, University of Cambridge England, July 25-30, 2016.

Speaker at book launch of Dara Cohen’s *Rape During Civil War*, Harvard University, September 22, 2016.

“Insurgency, Terrorism, Iraq, Syria,” US Department of State Bureau of Counterterrorism, Washington DC, September 29, 2016.

**Amanda Rothschild (Graduate Student)**

“Dissent, Debate, and the Origins of Responsiveness to Mass Killing” and “Dissent in the Ranks: Humanitarianism and US Foreign Policy,” APSA, September, 2016.

**Russell Rumbaugh (Alum, '04)**

Served on a panel on “Simultaneous Shortfalls in Technological Advancement and Rudimentary Expertise,” Stimson Center, September 20, 2016

**Jayita Sarkar (Research Fellow)**

Spoke at “Cooperation and Conflict in the Nuclear Age” at Yale University, Sep. 23-24, 2016.

**Apichai Shipper (Alum, '01)**

“Two Conceptualizations of Personhood/Citizenship in non-socialist Asia”  
École des hautes études en sciences sociales (EHESS), Paris, September 27, 2016.

“Japan’s Foreign Policy in Southeast Asia,” Center for Japanese Studies: National Sun Yat-sen University, Kaohsiung, Taiwan, June 15, 2016.

“Morality of Citizenship: Japan, US, and Sweden,” Institute of European and American Studies: Academia Sinica, Taipei, Taiwan, June 16, 2016.

Moderator, “Issues Related to Immigration and Foreign Workers: Implications to Japan,”  
U.S.-Japan Research Institute, Washington, DC, September 12, 2016.

Moderator, “Change in North Korea: Social, Economic, and Political Change,”  
Bureau of Intelligence and Research U.S. Department of State and The National Intelligence Council (INR/NIC), July 1, 2016.

**Caitlin Talmadge (Alum, '11)**

“The Geopolitical Implications of Oil Price Volatility,” Council on Foreign Relations, May, 2016.

“Battlefield Effectiveness in Authoritarian Regimes: The Case of North Korea,” Sogang University of South Korea, Army Research Institute Army Power Forum, June, 2016.

“The Escalation Implications of Emerging Technologies,” Georgia Institute of Technology and the University of Virginia, Project on Strategic Stability Evaluation, Workshop on Emerging Technologies, June, 2016.

“Explaining Military Effectiveness” SWAMOS, July, 2016.

“Assessing the Risk of Chinese Nuclear Escalation in a Conventional War with the United States,” Yale University, Conference on Conflict and Cooperation in the Nuclear Age, September, 2016.

“The Future of Strategic Deterrence,” The National Intelligence Council, September, 2016.

**Christopher Twomey (Alum, '05)**

“Asia’s Complex Nuclear Geometry,” Center for Global Security Research, Lawrence Livermore National Laboratory, September 22, 2016.

**Paul F. Walker (Alum, '78)**

"Discussing Chemical Weapons Abolition: Are We There Yet," Symposium hosted by the United Nations Environmental Program (UNEP), the Geneva Environmental Network (GEN), and Green Cross International (GCI), Geneva, Switzerland, July 26, 2016.

Participant in "Building a Nuclear-Weapon-Free World," organized by the Kazakhstan Parliament and Foreign Ministry, and Parliamentarians for Nonproliferation and Nuclear Disarmament, Astana, Kazakhstan, August 29, 2016.

"The Importance of a Fissile Material Cutoff Treaty for Nuclear Disarmament," and "The Nuclear Security Summit 2016: Working Towards a Global Nuclear Architecture," TMC Asser Institute, The Hague, The Netherlands, September 7, 2016.

"Building a World Free of Chemical Weapons: Current Progress and Future Challenges," Kekava Municipality, Latvia, on the 100th anniversary of the first use of chemical weapons in World War I on the Eastern Front, September 23, 2016.

# News

## **Thomas Gordon (Military Fellow, '10-11)**

Col. Thomas J. Gordon, USMC, turned over command of II MHG and is now a Military Fellow at the Council on Foreign Relations in New York City.

## **Kelly M. Greenhill (Alum, '04)**

Kelly M. Greenhill has been named the next Director of the International Relations Program at Tufts University, a position she will assume after returning from research leave in the summer of 2017.

## **Robert Haffa (Alum, '82)**

taught a graduate class in American Defense Policy during the summer session at Johns Hopkins University in Washington DC.

## **Laura Holgate (Alum, '91)**

Has assumed the duty of U.S. Representative to the Vienna Office of the United Nations and International Atomic Energy Agency. For more information, please see [this](#) news item.

**Barry Posen's** book, *Restraint: A New Foundation for U.S. Grand Strategy* was discussed by [The International Security Studies Forum](#).

## **David Di Tallo (Federal Executive Fellow, '05-06)**



“Commander David J. Di Tallo, U.S. Navy, 2005-2006 Navy Federal Executive Fellow to MIT SSP, retired from active duty on October 1, 2016 after more than twenty-six years of service.

His last assignment was Military Faculty, Information Resources Management College, National Defense University, Washington, DC., where he led the Cyber Intelligence teaching team for two

years and also taught courses in Continuity of Operations, Terrorism and Crime in Cyberspace, Multi-Agency Information Enabled Collaboration, and Cyber Supply Chain Risk Management.

Following his MIT SSP fellowship, Commander Di Tallo served as political-military affairs advisor to two Chiefs of Naval Operations and as a Design Team Leader in NDU's wargaming and simulation center.

Commander Di Tallo is retiring to his hometown of Boardman, Ohio.

Photo caption: CDR David J. Di Tallo, USN receives the Joint Meritorious Service Medal (second award) by RADM Janice Hamby, USN (Ret.), Chancellor, Information Resources Management College at National Defense University, Washington, DC. (Date: 31 August 2016).

**Christopher Twomey (Alum, '05)**

Appointed Associate Chair for Research, Department of National Security Affairs, and Director, Center on Contemporary Conflict.

**David Weinberg (Alum '12)**

Quoted by Scott Shane, "Saudis and Extremism: 'Both the Arsonists and the Firefighters'," *New York Times*, August 25, 2016.

Quoted by Oren Dorell, "Analysis: Attacks Show Radicals Retain Foothold in Saudi Arabia," *USA Today*, July 6, 2016.

# Awards

## **Mark Bell (Alum, '16)**

won the APSA Foreign Policy Section Award for best graduate student paper for "What Do Nuclear Weapons Offer States? A Theory of State Foreign Policy Response to Nuclear Acquisition."

## **Gregory Koblentz (Alum, '04)**

In September, Koblentz received funding from the Center for Global Studies at George Mason University to hold a Research Workshop on the biosecurity implications of genome editing.

## **Paul Staniland (Alum, '10)**

*Networks of Rebellion: Explaining Insurgent Cohesion and Collapse* (Cornell, 2014) was awarded the Myres McDougal Prize for the best book in policy sciences. It previously won the Peter Katzenstein and Joseph Leggold book prizes.

University of Chicago colleague Benjamin Lessing and Paul Staniland have been selected for award of a Department of Defense Minerva Research Initiative grant, for the project "Armed Conflict Beyond Insurgency and Counterinsurgency: Comparative Evidence from Latin America and South Asia."