

Erik Sand

Academic Employment

U.S. Naval War College

Assistant Professor, Strategic & Operational Research Department (July 2021-Present)

Education

Massachusetts Institute of Technology

Ph.D., Political Science (2021)

- Dissertation: “Sharing Vulcan’s Secrets: Why States Disclose Details of Advanced Military Technology to Other States.”
Committee: Professors Barry Posen, Kenneth Oye, Vipin Narang.
- Examination Fields: International Relations, Security Studies – High Pass.

Old Dominion University

Master of Engineering Management (2015)

- Capstone: “Renewing and Assessing Attrition of Lifetime Access Permits for Fisheries in Glacier Bay, Alaska.”

Harvard University

A.B. in History, Magna Cum Laude (2007)

- Honors Thesis: “Rebels and Red Tape: Lessons (Not) Learned from the Huk Rebellion: 1945-1963.” Advisors: Kenneth Wiesbrode; Daniel Sargent.

Peer-Reviewed Academic Publications

“Desperate Measures: The Effects of Economic Isolation on Warring Powers,” *Texas National Security Review*, Spring 2020.

Works in Progress

“Sharing Vulcan’s Secrets: Innovation and Technology Transfer”

“In Denial about Punishment: The Effectiveness of Various Methods Nuclear Coercion”

“Sharing with Frenemies: Technology Sharing with Geopolitical Rivals”

Honors, Grants, Awards

America in the World Pre-Doctoral Fellowship, Henry A. Kissinger Center for Global Affairs, Johns Hopkins SAIS, 2020-2021

International Security Program Pre-Doctoral Fellowship, Belfer Center for Science and International Affairs, Harvard Kennedy School of Government, 2020-2021 (Declined)

Institute for Security and Conflict Studies Predoctoral Fellowship, Elliott School of International Affairs, The George Washington University, 2020-2021 (Declined)

Surface Navy Association Literary Award (2015)

First Prize, U.S. Naval Institute Junior Officer Leadership Essay Contest (2013)

Harry S. Truman Scholar (2006)

Competitively Selected Professional Development Programs:

- Junior Scholar, Carnegie International Policy Scholars Consortium (2016-18)
 - Member, Junior Scholar Steering Committee
- Truman Governance Fellow (2014)
- Center for Strategic and International Studies Joint Service Innovation Discussion (2014-15)
- Foreign Policy Initiative Future Leader (2013-14)

Teaching Experience

Teaching Assistant, Massachusetts Institute of Technology

- 17.42 Causes and Prevention of War – Professor Steven Van Evera (Undergraduate – Spring 2018)
 - Teaching Evaluation Overall Score: 6.8/7
- 17.800 Quantitative Research Methods I: Regression – Professor Daniel Hidalgo (Graduate – Fall 2017)
 - Teaching Evaluation Overall Score: 6.4/7

Tutor, Harvard University

- Tutor in Fellowships, History, and Government - Pforzheimer House (Resident: 2016-2018, 2019-2020, Non-Resident 2018-2019)
 - Provided academic and personal advising and coaching to undergraduate students in a residential environment.
 - House Fellowships Committee Chair (2019-2020)
- Tutor in Fellowships, Government, and ROTC - Mather House (Non-Resident 2015-2016)

Research Experience

Research Assistant, Massachusetts Institute of Technology

- Research Assistant to Professor Barry Posen on implications of multipolarity, NATO Reform, and the EU response to COVID-19 (2019-2020)
- Research Assistant to Professor Steven Van Evera for revision of course on American Foreign Policy (Summer 2017)
- Research Assistant to Professor Francis Gavin for creation of course on Grand Strategy (Summer 2016)

Research/Archival Assistant, Navy History and Heritage Command

- Research Assistant in Early History Branch - supported book on 19th Century Navy Petty and Warrant Officers. (Summer 2007)
- Archival Assistant in Operational Archives - catalogued newly acquired archival materials from Fifth Fleet headquarters. (Summer 2007)

Research Assistant, Weatherhead Center for International Affairs, Harvard University

- Research Assistant on history of U.S. Navy aircraft carrier force structure and maritime strategy. (2005-2006)

Related Professional Experience

U.S. Navy Reserve

Coastal Riverine Squadron EIGHT, Groton, CT (OCT19-Present)

- Commanding Officer, 1st Platoon, CHARLIE Company
 - Led 115 Sailors in a commissioned, hardware equipped, Navy Reserve small boat security unit in preparations for a mobilization to the Middle East.
 - Coordinated and led squadron-wide telework annual training (virtual instruction).

U.S. Forces Korea Detachment 102, Newport, RI (AUG 15-OCT18)

- Unit Plans Officer (J5)
 - Directed real world contingency planning for Navy Reserve support to Headquarters, U.S. Forces Korea.
- Director, KOREA UNITED 2017 Wargame.
 - Planned, organized, and executed a three-day Korea wargame and symposium of for 240 Army, Navy, Air Force and Marine reservists.

U.S. Navy (Active Duty)

USNS TRENTON (T-EPF 5), Souda Bay, Greece (NOV18 – AUG19)

- Officer in Charge
 - As senior naval officer onboard, led 59 Sailors and civilians in classified operations in the Mediterranean Sea.

Department of the Navy Secretariat, Pentagon, Washington, DC (AUG13-APR15)

- Secretary of the Navy Advisory Panel Action Officer

- Supported panel of retired 4-Star military officers, corporate presidents/CEOs, and academics in providing independent advice and recommendations to the Secretary of the Navy.
 - Supported Secretary's Naval History Advisory Subcommittee.
 - Coordinated Secretary of the Navy's congressional posture testimony preparation.
- Deputy Under Secretary of the Navy (Policy) Program Analyst
 - Coordinated Department of the Navy participation in senior leader forums including preparing the Under Secretary of the Navy for the Defense Department deputies group.
 - Planned and executed a two-day conference for the leaders of 19 African navies and senior U.S. defense leaders on African maritime security.

Naval District Washington, Washington, DC (JUL12–AUG13)

- Aide to Commandant
 - Personal assistant to 1-Star Admiral responsible for all Navy installations and ceremonies in the National Capital Region.

Reactor Department, USS ABRAHAM LINCOLN (CVN 72), Everett, WA (JUN10 – JUN 12)

- Deputy Reactor Electrical Assistant - Second in command of 156 sailors responsible for all nuclear reactor safety and controls, and ship's electrical power generation and distribution.
- Reactor Controls Division Officer - Led 53 sailors in training for and execution of operations and maintenance of two 550MW nuclear reactors and associated safety systems through deployment to the Pacific and Indian Oceans.

Weapons Department, USS JOHN S. McCAIN (DDG 56), Yokosuka, Japan (JUL 07-APR 09)

- Gunnery Officer
 - Led 24 sailors responsible for all weapons systems onboard and \$200 million worth of explosive ordnance. As Officer of the Deck, oversaw ship's operations and navigation while on watch.

Invited Talks & Conference Presentations

“Decisions to Share Advanced Military Technology Between Innovative States,” ISA, March 2021.

“In Denial about Punishment: The Effectiveness of Various Methods of Nuclear Coercion,” ISA, March 2021.

“Sharing Vulcan's Secrets: State Transfer of Advanced Military Technology,” APPAM (Poster Presentation), November 2020.

“Sharing Vulcan's Secrets: State Transfer of Advanced Military Technology,” APSA, September 2020.

“Decisions to Share Advanced Military Technology Between Innovative States,” ISA, March 2020 (Accepted – Conference canceled due to COVID-19).

“In Denial about Punishment: The Effectiveness of Various Methods of Nuclear Coercion,” ISA, March 2020 (Accepted – Conference canceled due to COVID-19).

“Desperate Measures: The Effects of Economic Isolation on Warring Powers,” ISSS-IS, October 2019.

“Leading Where?,” Center for International Maritime Security Forum for Authors and Readers, February 2015.

Commentary & Other Writing

“How will the coronavirus pandemic affect U.S. military readiness – and national security?” *Washington Post* Monkey Cage, March 19, 2020. With Rachel Tecott. Available at:

<https://www.washingtonpost.com/politics/2020/03/19/how-will-coronavirus-affect-us-military-readiness-national-security/>

“The Secret Ingredients of ‘Collaborative Leadership,’” *Center for International Maritime Security Next War*, January 17, 2019. Available at: <http://cimsec.org/the-secret-ingredients-of-collaborative-leadership/39300>

“Under Duress: The Effects of Wartime Economic Isolation,” *Precis*, MIT Center for International Studies, Spring 2018. Available at: <https://cis.mit.edu/publications/newsletter/under-duress-effects-wartime-economic-isolation>

“Teaching Tacticians,” *The Strategy Bridge*, April 21, 2015. Available at: <https://medium.com/@esand/teaching-tacticians-f9c15471acfa>

“Performance Over Process,” U.S. Naval Institute Proceedings, vol. 140, no. 10 (October 2014), 46–50. Available at: <https://www.usni.org/magazines/proceedings/2014/october/performance-over-process>

“Leading Where: Reflection on ‘Saltwater Leadership,’” *Center for International Maritime Security Next War*, October 14, 2014. Available at: <http://cimsec.org/leading-reflection-saltwater-leadership/13252>

“Drones and the Human-War Relationship,” *Center for International Maritime Security Next War*, April 14, 2014. Available at: <http://cimsec.org/drones-human-war-relationship/10815>

“Triggering Innovation and Initiative,” U.S. Naval Institute Proceedings, vol. 139, no. 11 (November 2013), 70-74. Available at: <https://www.usni.org/magazines/proceedings/2013/november/triggering-innovation-and-initiative>

Professional Service and Memberships

Member, MIT Political Science Graduate Student Council (2017-2018)

Coordinator, MIT Nuclear Weapons Working Group (2017-2018)

Facilitator, MIT Notice & Respond [Mental Health Awareness Program] (2016-2018)

Member, MIT iREFS [Graduate Peer Counseling] (2016-2020)

Member, American Political Science Association

Member, International Studies Association

Member, Association for Public Policy Analysis and Management

Member, U.S. Naval Institute

Member, Surface Navy Association

Member, Center for International Maritime Security