

Jon R. Lindsay

Munk School of Global Affairs at the University of Toronto
315 Bloor Street West, Toronto, Ontario, M5S 0A7 Canada
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Technology and Global Security, Cybersecurity, Intelligence, Grand Strategy, Military Power

BIOGRAPHICAL

Citizenship: United States of America

Hometown: Newport Beach, California

EDUCATION

- 2011 Ph.D. Political Science, Massachusetts Institute of Technology
Thesis: “Information Friction: Information Technology and Military Performance”
Committee: Barry Posen (chair), Wanda Orlikowski, Kenneth Oye, Merritt Roe Smith
- 1996 M.S. Computer Science, Stanford University
- 1995 B.S. Symbolic Systems, Stanford University

EMPLOYMENT

UNIVERSITY OF TORONTO, MUNK SCHOOL OF GLOBAL AFFAIRS

- 2017-present Assistant Professor, Department of Political Science (cross-appointment)
- 2017-present Interim Director, Trudeau Centre for Peace, Conflict and Justice
- 2015-present Assistant Professor of Digital Media and Global Affairs

UNIVERSITY OF CALIFORNIA, SAN DIEGO

- 2013-2015 Assistant Research Scientist, Institute on Global Conflict and Cooperation
Adjunct Professor, School of International Relations and Pacific Studies
- 2011-2013 Postdoctoral Scholar, Institute on Global Conflict and Cooperation

UNITED STATES NAVY

- 2005-2014 Naval Reserve, Information Dominance Warfare Officer
- 1996-2003 Active Duty, Intelligence Officer

PUBLICATIONS

BOOKS

- Shifting the Fog of War: Information Technology and Military Power* (under review)
- Cross-Domain Deterrence: Strategy in an Era of Complexity*, with Erik Gartzke, eds. (New York: Oxford University Press, Forthcoming)
- China and Cybersecurity: Espionage, Strategy, and Politics in the Digital Domain*, with Tai Ming Cheung, Derek Reveron, eds. (New York: Oxford University Press, 2015)

REFEREED JOURNAL ARTICLES

- “Target Practice: The Amplifying Bias of Data Friction in Counterterrorism,” *Science, Technology, and Human Values* 42, No. 6 (2017): 1061-1099
- “Restrained by Design: The Political Economy of Cybersecurity,” *Digital Policy, Regulation and Governance* 19, no. 6 (2017): 493-514
- “Thermonuclear Cyberwar,” with Erik Gartzke, *Journal of Cybersecurity* 3, No. 1 (2017): 37-48
- “Tipping the Scales: The Attribution Problem and the Feasibility of Deterrence against Cyberattack,” *Journal of Cybersecurity* 1, No. 1 (2015), 53-67.
- “Weaving Tangled Webs: Offense, Defense, and Deception in Cyberspace,” with Erik Gartzke, *Security Studies* 24, no. 2 (2015): 316-348
- “North Korea and the Sony Hack: Exporting Instability through Cyberspace,” with Stephan Haggard, *East-West Center AsiaPacific Issues* No. 117 (May 2015)
- “The Impact of China on Cybersecurity: Fiction and Friction,” *International Security* 39, no. 3 (Winter 2014/2015): 7–47.
- “Stuxnet and the Limits of Cyber Warfare,” *Security Studies* 22, no. 3 (2013): 365-404
- “Reinventing the Revolution: Technological Visions, Counterinsurgent Criticism, and the Rise of Special Operations,” *Journal of Strategic Studies* 36, no. 3 (2013): 422–453.
- “War Upon the Map: User Innovation in American Military Software,” *Technology and Culture* 51, no. 3 (2010): 619-651
- Awarded the 2011 IEEE Life Members' Prize in Electrical History from the Society for the History of Technology for best paper in the history of electro-technology

BOOK CHAPTERS

- “Cyber Espionage,” in *The Oxford Handbook of Cyber Security*, ed. Paul Cornish (New York: Oxford University Press, Forthcoming)
- “Coercion through Cyberspace: The Stability-Instability Paradox Revisited,” with Erik Gartzke, in *Coercion: The Power to Hurt in International Politics*, ed. Kelly Greenhill and Peter J. P. Krause (New York: Oxford University Press, 2018)
- “Windows on Submarines: The Dynamics of Deception in the Cyber and Maritime Domains,” with Erik Gartzke, in *Issues in Maritime Cyber Security*, ed. Joseph DiRenzo III, Nicole K. Drumhiller and Fred S. Roberts (Washington, DC: Westphalia Press, 2017)
- “Cross-Domain Deterrence and Cybersecurity: The Consequences of Complexity,” with Erik Gartzke, in *US National Cybersecurity: International Politics, Concepts and Organization*, ed. Damien van Puyvelde, Aaron F. Brantley (New York: Routledge, 2017)
- “From Espionage to Innovation: Acquisition, Absorption, and Application,” with Tai Ming Cheung, in *China and Cybersecurity: Espionage, Strategy, and Politics in the Digital Domain*, ed. Jon Lindsay, Tai Ming Cheung, Derek Reveron (New York: Oxford University Press, 2015)
- “Varieties of Insurgency and Counterinsurgency in Iraq, 2003-2009,” with Roger Petersen, *CIWAG Case Study Series 2011-2012*, ed. Andrea Dew and Marc Genest (Newport, RI: US Naval War College, Center for Irregular Warfare and Armed Groups, 2012)

“Lost in Transition: Khobar Towers and the Ambiguities of Terrorism in the 1990s,” with Staci Strobl, in *A New Understanding of Terrorism: Case Studies and Analysis*, ed. Maria Haberfeld and Agostino von Hassell (New York: Springer, 2009)

CORRESPONDENCE, ROUNDTABLES, AND REVIEWS

Roundtable review of Ben Buchanan, *The Cybersecurity Dilemma: Hacking, Trust, and Fear Between Nations* in *International Security Studies Forum*, Roundtable 10-6 (19 January 2018)

“Russia and the 2016 U.S. Presidential Election,” *International Security Studies Forum*, Policy Roundtable 1-7 (26 March 2017)

Roundtable review of Brandon Valeriano and Ryan C. Maness, *Cyber War versus Cyber Realities: Cyber Conflict in the International System* in *International Security Studies Forum*, Roundtable 9-7 (5 December 2016)

Review of Monroe E. Price, *Free Expression, Globalism and the New Strategic Communication* in *Perspectives on Politics* 14, no. 4 (December 2016): 1275-1277

“Why Isn’t There More Scholarly Evaluation of U.S. Wars?” *International Security Studies Forum Roundtable Forum* 13 (March 2016)

“Correspondence: Debating the Chinese Cyber Threat,” with Joel Brenner, *International Security* 40, no. 1 (Summer 2015)

“Correspondence: A Cyber Disagreement,” with Lucas Kello, *International Security* 39, no. 2 (Fall 2014): 181–92.

“Correspondence: Assessing the Synergy Thesis in Iraq,” with John Hagan, Joshua Kaiser, Anna Hanson, Austin G. Long, Stephen Biddle, Jeffrey A. Friedman, and Jacob N. Shapiro, *International Security* vol. 37, no. 4 (Spring 2013): 173–198

CONFERENCE PAPERS

“Foreign Entanglements: Quantum Cryptography and the Problem of Information in International Relations,” Workshop on Emerging Technologies and Strategic Stability, Hoover Institution, Stanford University, 8 December 2017

“Restrained by Design: Sociotechnical Disincentives for Cyber Warfare,” 3rd Annual Workshop, Internet Governance Project, Georgia Tech School of Public Policy, Atlanta, 11-12 May 2017

“Drones and the Mediation of War,” American Political Science Association Annual Meeting, Philadelphia, 2 September 2016

“Deterrence across Domains: How the Choice of Means Affects Strategic Ends,” with Erik Gartzke, American Political Science Association Annual Meeting, Philadelphia, 1 September 2016

“Information Infrastructure: Cyberspace, Outer Space, and the U.S.-China Security Relationship,” with Jiakun Zhang, Midwest Political Science Association, Chicago, 9 April 2016

“Restrained by Design: The Political Economy of Cybersecurity,” Society for Military History Annual Meeting, Ottawa, 15 April 2016

“Restrained by Design: The Political Economy of Cybersecurity,” International Studies Association Annual Convention, Atlanta, 17 March 2016

“Cybersecurity and Cross Domain Deterrence: Consequences of Complexity,” with Erik Gartzke, International Studies Association Annual Convention, Atlanta, 17 March 2016

"Cyberwar in a Thermonuclear World," with Erik Gartzke, Stanford Cyber Policy Program Workshop on Strategic Dimensions of Offensive Cyber Operations, March 3-4, 2016

"Anarchy and the Demand for Control," International Studies Association Annual Convention, New Orleans, 21 February 2015

"Information Infrastructure: Cyberspace, Outer Space, and U.S.-China Security Relations," with Jack Jiakun Zhang, International Studies Association Annual Convention, New Orleans, 21 February 2015

"Hypergoverned Spaces: The Interdependence of Cyberspace and Outer Space as a Restraint on Sino-American Security Competition," American Political Science Association Annual Convention, Washington D.C., 30 August 2014

"Deterring Complex Threats: The Effects of Asymmetry, Interdependence, and Multipolarity on International Strategy," with Erik Gartzke, American Political Science Association Annual Convention, Washington D.C., 30 August 2014

"Cross-Domain Deterrence: Strategy in an Era of Technological Complexity," with Erik Gartzke, International Studies Association Annual Convention, Toronto, 26 March 2014

"The Unblinking Eye? How Military Organizations Use Information Technology to Undermine Performance," International Studies Association Annual Convention, Toronto, 27 March 2014

"Instruments of Control: The Technological and Institutional Regulation of Political Behavior," International Studies Association Annual Convention, San Francisco, 5 April 2013

"Proxy Wars: Third Party Constraints on Military Effectiveness on Land and in Cyberspace," International Studies Association Annual Convention, San Francisco, 5 April 2013

"Fiction and Friction: The Strategic Logic of Cybersecurity," American Political Science Association Annual Meeting, New Orleans, 3 September 2012

"The Reinvention of the Revolution in Military Affairs as Counterterrorism," International Studies Association Annual Convention, San Diego, 1 April 2012

"Stuxnet and the Ambiguous Nature of Cyberwar," International Studies Association Annual Convention, San Diego, 3 April 2012

"Varieties of Counterinsurgency: A Case Study of Iraq, 2003-2009," with Roger Petersen, Center for Irregular Warfare and Armed Groups Symposium, Naval War College, Newport, RI, 22 June 2011

"The Pacemaker of Bureaucracy: Information Technology Usage in Military Organizations," International Studies Association Annual Convention, Montreal, Canada, 16 March 2011

"Participant or Observer? Opportunities and Challenges in Wartime Ethnography," International Studies Association Annual Convention, Montreal, Canada, 16 March 2011

"The Political Economy of Intelligence," International Studies Association Annual Convention, New Orleans, February 2010

"Commandos, Advisors, and Diplomats: Special Operations Forces and Counterinsurgency," International Studies Association Annual Convention, New York, February 2009

"Guns or Butter: Aggregation, Functional Differentiation, and Conflict in Biological and Social Systems," with Evan Economo, Zhang Qiaoting, Liu Ying, and Liu Honghai, Santa Fe Institute Complex Systems Summer School Proceedings, Qingdao, China, September 2004.

POLICY ANALYSIS AND OTHER WRITING

- "The U.S. wants to stop North Korean missiles before they launch. That may not be a great idea." With Erik Gartzke, *The Monkey Cage*, *The Washington Post*, 15 March 2017
- "Eye in the Sky: New War, Old Problems," *Political Violence @ A Glance*, 6 April 2016
- "The Real Cyberespionage Rule: Don't Get Caught," *Policy Forum*, Asia & the Pacific Policy Society, January 2016
- "Exaggerating the Chinese Cyber Threat," *Policy Brief*, Belfer Center for Science and International Affairs, Harvard Kennedy School, May 2015
- "Will China and America Clash in Cyberspace?" with Tai Ming Cheung, and Derek S. Reveron, *The National Interest*, April 12, 2015
- "Is This the Best Response to China's Cyber-Attacks?" with Robert Daly, Chen Weihua, Roger Creemers, Graham Webster, Tai Ming Cheung, *ChinaFile Conversation*, 19 May 2014
- "China: Cyber Threat and Cyber Threatened," with Derek Reveron, *New Atlanticist Policy and Analysis Blog*, 7 August 2012
- Zhuge Jianwei, Gu Liang, and Duan Haixin, "Investigating China's Online Underground Economy," ed. Jon Lindsay, *IGCC Working Paper*, July 2012
- "China and Cybersecurity: Political, Economic, and Strategic Dimensions," Report from Workshops held at the University of California, San Diego, April 2012
- "Defense Transparency: Seeking a Definition for a Paradoxical Concept," *UC Institute on Global Conflict and Cooperation, Defense Transparency Project Policy Brief*, October 2011
- "Does the 'Surge' Explain Iraq's Improved Security?" *MIT Center for International Studies, Audit of the Conventional Wisdom*, September 2008

ILLUSTRATION AND PHOTOGRAPHY CREDIT

- Coast to Cactus: The Canyoneer Trail Guide to San Diego Outdoors* (Sunbelt Publications, 2016)
- Marshal South and the Ghost Mountain Chronicles* (Sunbelt Publications, 2005)
- Desert Lore of Southern California* (Sunbelt Publications, 1994)
- Mountain Bike Guide: San Diego Region* (Sunbelt Publications, 1993)
- Adventures with Kids in San Diego: Places to Go, Things to Do, Sights to See* (Sunbelt Publications, 1991)
- The Southern Overland Route: Cyclists' Guide to a Major Scenic and Historic Route through the Southwest* (Sunbelt Publications, 1985)

ACADEMIC ACTIVITY

GRANTS

- 2015-2016: \$237,691 USD, "An Empirical Approach to Cross-Domain Deterrence," Department of Defense Minerva Initiative, co-PI with PI Erik Gartzke, UCSD
- 2013-2018: \$5,235,843 USD, "Deterring Complex Threats: The Effects of Asymmetry, Interdependence, and Multi-polarity on International Strategy," Department of Defense Minerva Initiative (Office of Naval Research Grant N00014-14-1-0071), co-PI with PI Erik Gartzke, UCSD

AWARDS

- 2011 IEEE Life Members' Prize for Best Paper in the Preceding Year in Electrical History from the Society for the History of Technology
- 1995 Robert M. Golden Medal for Excellence in Humanities and Creative Arts, for Stanford University Undergraduate Honors Thesis

FELLOWSHIPS

- 2013-2016 Oxford Martin Associate with Oxford Global Cyber Security Capacity Centre
- 2004-2008 National Science Foundation Integrative Graduate Education and Research Traineeship, MIT Program on Emerging Technologies (PoET)
- 2003-2004 Kenin Sahin MIT Presidential Graduate Fellowship

CONFERENCES ORGANIZED

- "Decoding the Digital Debate," University of Toronto, Munk School of Global Affairs, 31 March 2017
- "A New Look at the 21st Century Cross-Domain Deterrence Initiative," The George Washington University, Elliott School of International Affairs, 19-20 May 2016
- "Workshop on Cross-Domain Deterrence," University of California Irvine, Anza Borrego Reserve, 29-31 January 2016
- "Workshop on Cross-Domain Deterrence," University of California Santa Barbara, Sedgwick Reserve, 25-27 September 2015
- "Conference on Cross-Domain Deterrence," University of California Institute on Global Conflict and Cooperation, La Jolla, CA, 6-7 November 2014
- "Workshop on Cross-Domain Deterrence," University of California Institute on Global Conflict and Cooperation, La Jolla, CA, 16 July 2014
- "Cross-Domain Deterrence: Project Launch and Research Agenda Workshop," University of California Institute on Global Conflict and Cooperation, La Jolla, CA, 6-7 February 2014
- "Conference on the Political Economy of Information Security in China," University of California Institute on Global Conflict and Cooperation, La Jolla, CA, 9-10 April 2012
- "Conference on China and Cybersecurity," U.S. Naval War College and the University of California Institute on Global Conflict and Cooperation, La Jolla, CA, 11-12 April 2012

INVITED PRESENTATIONS

- "Quantum Computing, Communication, Control and Intelligence," The University of Sydney, 15-17 February 2018
- "Restrained by Design (or how I learned to stop worrying and love cyberwar)," Guelph University, 29 January 2018
- "Northeast Asia Peace and Cooperation Forum 2017," The Sejong Institute, Seoul, 16-17 November 2017
- "Understanding American Liberty and American Interests in the 21st Century," Institute for Humane Studies, San Francisco, 30 August 2017
- "Cybersecurity," Southern Methodist University, Dallas, 22 April 2017
- "(In)securitization," Munk School of Global Affairs, University of Toronto, 19 April 2017
- "Decoding the Digital Debate," University of Toronto, Munk School of Global Affairs, 31 March 2017

“Nothing Makes Sense in Cybersecurity Except in the Light of Intelligence,” University of Pittsburgh, Graduate School of Public and International Affairs, 27 February 2017

“Lessons from the Iraq Surge: 10 Years Later,” panelist, International Studies Association Annual Conference, Baltimore, 25 February 2017

“Strategy, Skepticism, and the Cyberwarfare Debate,” panelist, International Studies Association Annual Conference, Baltimore, 25 February 2017

“Opening the Black Box of Cyber-Operations: A New Paradigm for Understanding Cyber-Enabled Conflict and International Relations,” discussant, International Studies Association Annual Conference, Baltimore, 22 February 2017

“Technology and War,” the NATO Association of Canada, Toronto, 30 November 2016

“Epistemic Prosthetics: Rough Knowledge and Precision Weapons,” guest lecture for Brian Cantwell Smith, University of Toronto, 22 November 2016

“Cross-Domain Deterrence Conference,” Lawrence Livermore National Laboratory, 15-17 November 2016

“Reassessing Deterrence in the 21st Century, War Studies Conference,” U.S. Military Academy, West Point, 13-15 November 2016

“Restrained by Design: Cybersecurity and the Attenuation of War,” Einaudi Center Distinguished Speaker Series, Cornell University, Mario Einaudi Center for International Studies, 26 October 2016

“Cyber Resilience: A Holographic Perspective on Continuing Threats and Potential Solutions,” The MacKenzie Institute, Massey College, University of Toronto, 25 October 2016

“Cross-Domain Deterrence Table Top Exercise” Naval Postgraduate School, Monterey, 20-21 October 2016

62nd General Assembly of the Atlantic Treaty Association, NATO Association of Canada, Toronto, 11-12 October 2016

“Restrained by Design: Cybersecurity and the Attenuation of War,” Massachusetts Institute of Technology, Security Studies Program, 5 October 2016

Canadian Association for Security and Intelligence Studies Annual Symposium, Ottawa, 23 September 2016

“Cyber and Conflict: Transformative Change or Status Quo Dynamics?,” panelist, American Political Science Association Annual Meeting, Philadelphia, 2 September 2016

“Emerging Domains and the Future of War– Unmanned Systems, Space, and Cyber,” panelist, conference, Defence Engagement Program, Canadian Department of National Defence, 9-10 June 2016

“Restrained by Design: The Political Economy of Cybersecurity,” The University of Chicago Harris School of Public Policy, Program on International Security Policy, 19 April 2016

“The role of cybersecurity in Chinese foreign policy,” Australian National University National Security College and College of Asia and the Pacific, 18 February 2016

“Cross-Domain deterrence,” Australian National University National Security College, 16 February 2016

“Cross-Domain Deterrence,” Vice Chairman of the Joint Chiefs of Staff General Paul Selva, Pentagon, Washington, DC, 4 December 2015

“Tipping the Scales: The Attribution Problem and the Feasibility of Deterrence against Cyber Attack,” George Washington University, Cyber Deterrence Symposium, 3 December 2015

“China and Cybersecurity” and “Cross Domain Deterrence,” National Defence Headquarters, Ottawa, Canada, 2 December 2015

“Cyber Deterrence,” Los Alamos National Laboratory, 13 October 2015

“Gray Zone Conflict: Aggression below the Threshold,” Minerva Research Symposium, Washington DC, 10 September 2015

“China and Cybersecurity,” Naval Postgraduate School, Monterey CA, 26 August 2015

“The Cyber Domain,” 18th MIT Senior Congressional and Executive Office Branch Seminar, Cambridge, Mass., April 8-10, 2015

“How New and Dangerous are the Cyber Threats We Face?” Canadian Security and Intelligence Service, Ottawa, Canada, 23 February 2015

“Information Infrastructure: Cyberspace, Outer Space, and U.S.-China Security Relations,” George Washington University, Institute for Security and Conflict Studies, Security Policy Workshop, 6 October 2014

“Cyber and Cyber War: Strategy, Deterrence, and Implications” and “China, Cyber, and Cybersecurity: Strategy, Espionage, Tech Transfer, and Policy,” National Air and Space Intelligence Center, Dayton, OH, 18 July 2014

“The Crisis in Ukraine: A Panel Discussion of its Causes and Consequences,” UC San Diego International Affairs Group, 19 May 2014

“Chinese Perspectives on Cyber War,” S. Rajaratnam School of International Studies, Nanyang Technological University, Singapore, 3 March 2014

“Definitions of Life: How does Biocentrism Cloud our View,” Earth Life Science Institute, Tokyo Institute of Technology, Tokyo Japan, 27 January 2014

“East West Differences and Opportunities” at “Global Cyber Security Capacity Centre Opening and Inaugural Conference,” Oxford Martin School, University of Oxford, 25 November 2013

“Strategy and Statecraft in Cyberspace,” Australian National University Crawford School of Public Policy, Canberra, 8 November 2013

“Red Alert: Is the US Responding to the Perception or Reality of China's Cyberthreat?,” Indiana University Center for Applied Cybersecurity Research, Indianapolis, 21 October 2013

“2013 Minerva Meeting and Program Review,” Department of Defense Minerva Initiative, Washington, DC, 11-12 September 2013

“Seminar on Privacy and Security in Cyberspace,” Beijing University of Posts and Telecommunications, Beijing, 13 August 2013

“Academic Symposium on Privacy and Security in Cyberspace,” Institute of Internet Governance and Law, Beijing University of Posts and Telecommunications, Beijing, 12 August 2013

“Political and Economic Tradeoffs in Cybersecurity Policy,” Institute of Defense Economics and Management, Central University of Finance and Economics, Beijing, 9 August 2013

“The Political Economy of Cybersecurity,” Osher Institute for Lifelong Learning, UC San Diego, 5 August 2013

“The Origin of Life as the Origin of Intentionality: Phenomenology, Information, and Sociotechnology Systems,” Earth-Life Science Institute, Tokyo Institute of Technology, Tokyo, 15 May 2013

“How Should We Evaluate the Threat of Cyber War? A Conversation between Jon Lindsay and Timothy Junio,” Stanford University Center for International Security and Arms Control, 16 April 2013

“Intelligence, National Security, and War”, U.S. Naval War College, Newport, RI, 25-27 March 2013
“The Strategic Logic of Cybersecurity,” Osher Institute for Lifelong Learning, UC San Diego, 12 March 2013
“Cyber Power, National Security and Collective Action in Cyberspace”, Air University Air Force Research Institute, Montgomery, AL, 28-29 August 2012
“Political and Economic Tradeoffs in Cybersecurity Policy,” Beijing University of Posts and Telecommunications, Beijing, 13 June 2012
“Workshop on International Security, Technology and Economic Development,” Central University of Finance and Economics, Institute of Defense Economics and Management, Beijing, 8-12 June 2012
“Operationalizing Cyber Strategies”, U.S. Naval War College, Newport, RI, 2-3 May 2012
“China Minerva Scholars Conference: Research on Chinese Security and Technology by Emerging Scholars and Analysts,” University of California Washington Center, Washington, DC, 27 January 2012
“Cyber Deterrence and National Security”, Dartmouth College, Hanover, NH, 20 October 2011
“Irregular Warfare and Armed Groups: Threats and Opportunities”, U.S. Naval War College, Newport, RI, 21-22 June 2011
“Cybered Conflict, Threat Perceptions, and Institutional Responses: A Comparative Analysis”, U.S. Naval War College and Brown University, Newport, RI, 25-26 May 2011

GRADUATE RESEARCH ASSISTANTSHIPS

2009 Nazli Choucri, MIT, Explorations in Cyber International Relations (A DoD Minerva Project)
1995 Tom Wasow and Herbert Clark, Stanford University, assisted with human subject experiments in cognitive linguistics
1995 Sharon Oviatt and Phil Oviatt, Oregon Graduate Institute, developed software to support human subject experiments in cognitive linguistics

TRAINING WORKSHOPS

Summer Training Workshop on the Relationship between National Security and Technology in China, University of California Institute on Global Conflict and Cooperation, La Jolla, CA, June 2010
Complex Systems Summer School, Santa Fe Institute, Qingdao, China, June 2004

TEACHING

UNIVERSITY OF TORONTO, MUNK SCHOOL OF GLOBAL AFFAIRS

Global Security
Intelligence and Special Operations
Grand Strategy and Global Threats

UNIVERSITY OF CALIFORNIA, SAN DIEGO, SCHOOL OF INTERNATIONAL RELATIONS AND PACIFIC STUDIES

Strategic Studies
Comparative Grand Strategy and Defense Politics

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, PROGRAM IN SCIENCE, TECHNOLOGY AND SOCIETY

War, Technology, and the American Experience (with Merritt Roe Smith)

Science, Technology, and Public Policy (Teaching Assistant for Kenneth A. Oye)

STANFORD UNIVERSITY

Introduction to Computer Science (Teaching Assistant)

ACADEMIC SERVICE

UNIVERSITY SERVICE

2017- Interim Director of the Trudeau Centre for Peace and Conflict Studies and the Peace, Conflict and Justice Program in the Munk School of Global Affairs

2017- Postdoctoral Scholar Program Coordinator, Munk School of Global Affairs

2016-2017 Faculty Adviser to Toronto International Security Film Festival, Munk School of Global Affairs

PH.D ADVISEES

Lennart Maschmeyer

Ryder McKeown

ANONYMOUS REFEREE

British Journal of Political Science

European Journal of International Security

Foreign Policy Analysis

Georgetown Journal of International Affairs

IEEE Annals of the History of Computing

International Journal

International Organization

International Security

International Studies Review

Journal of Cybersecurity

Journal of Global Security Studies

Journal of Peace Research

Journal of Strategic Studies

Organization

Philosophy of Technology

Political Science Quarterly

Politics

Research and Politics

Security Studies

Technology and Culture

BOOK MANUSCRIPT REVIEW

Georgetown University Press

The Johns Hopkins University Press

PROFESSIONAL SOCIETIES

American Political Science Association

Society for the History of Technology

International Studies Association

Society for Military History

MILITARY SERVICE

Lieutenant Commander, United States Naval Reserve, Information Dominance Warfare Officer

U.S. NAVY, ACTIVE DUTY

2007-2008: Operation Iraqi Freedom

Special Operations Task Force West, Non-Lethal Effects Officer

Office of Naval Intelligence Tactical Intelligence Support Team Four, Officer in Charge

2003: Operation Iraqi Freedom, Naval Special Warfare Task Group US Central Command (Rear)

Project Manager, Joint Enterprise Development Initiative
2001-2003: Naval Special Warfare Unit Four
Intelligence Department Head
1997-2000: Naval Strike and Air Warfare Center
US European Command Targeting Analyst
1998-1999: Operation Allied Force
Joint Task Force Noble Anvil, Assistant Targeting Officer
1997: Naval Intelligence Officer Basic Course

U.S. NAVAL RESERVE

2012-2014: U.S. Pacific Fleet, Intelligence Department, Naval Reserve Unit 0194
2005-2012: U.S. Naval War College, Chief of Naval Operations Strategic Studies Group
2006: Office of Naval Intelligence and Lawrence Livermore National Laboratory
1991-1996: Naval Reserve Officer Training Corps, UC Berkeley

DECORATIONS

Bronze Star, Joint Service Commendation Medal, Joint Service Achievement Medal, Navy Achievement Medal (3), Iraq Campaign Medal, Kosovo Campaign Medal, NATO Kosovo Medal, Global War on Terrorism Service Medal, Defense Service Medal
2000 U.S. Navy Junior Intelligence Officer of the Year