

ALEX S. WILNER, Ph.D.

Associate Professor
Norman Paterson School of International Affairs (NPSIA)
Carleton University
Ottawa, Canada

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Education

2008-2009 Post-Doctoral Fellowship
Transatlantic Post-Doc Fellowship for IR and Security (TAPIR)
ETH Zurich (Swiss Federal Institute of Technology), Switzerland.

2004-2008 Ph.D., Political Science
Dalhousie University
Halifax, Canada
Advisor: Dr. Frank Harvey

2003-2004 Master of Arts, Political Science
Dalhousie University

1999-2003 Bachelor of Arts, (Honours, Political Science; Minor, Biology)
McGill University
Montreal, Canada

Employment

University Positions

2020- Associate Professor of International Affairs
Norman Paterson School of International Affairs (NPSIA)
Carleton University

Feb-July 2020 Parental Leave (6 months)

2015-2020 Assistant Professor of International Affairs
Norman Paterson School of International Affairs (NPSIA)
Carleton University

2013-2015 Visiting Fellow & Sessional Lecturer
Munk School of Global Affairs
University of Toronto, Canada

2009-2013 Senior Researcher
Center for Security Studies
ETH Zurich
Zurich, Switzerland

2012 Visiting Scholar

National Consortium for the Study of Terrorism and Responses to
Terrorism (START)
University of Maryland, USA

2011
Sessional Lecturer
Department of Political Science
University of Zurich, Switzerland

Government Positions

2014-2015 Policy Researcher
 Policy Horizons Canada
 Government of Canada

2012-2014 Recruitment of Policy Leaders (RPL) Candidate
 Government of Canada

Other Research Positions

2018 - Board of Directors
 Canadian Network for Research on Terrorism, Security, and Society

2016 - Munk Senior Fellow
 Macdonald-Laurier Institute (MLI)
 Ottawa, Canada.

2015 - Board of Directors
 Canadian Association of Security and Intelligence Studies (CASIS)

2010-2015 Senior Research Fellow
 Macdonald-Laurier Institute (MLI)
 Ottawa, Canada.

Professional Honours

Research Grants

1. Alex Wilner [PI], Early Research Award program, Government of Ontario, “From Cybersecurity to Cyber Deterrence: Strategies from the Public and Private Sectors,” 2021-2025 [\$150,000].
2. Alex Wilner [PI], SSHRC Insight Grant, “Cyber Deterrence: Non-state and Sub-state Perspectives,” 2020-2025 [\$212,689].
3. Alex Wilner [PI], Department of National Defence Research Initiative (DNDRI), supplementary support for SSHRC IG, “Cyber Deterrence,” 2021-2025 [\$54,000].

4. Alex Wilner [PI], Canadian Network for Research on Terrorism, Security, and Society (TSAS), “Kidnapping for Ransom: International Lessons for Canada,” 2020-2021 [\$15,000].
5. Alex Wilner [PI], DND Innovation for Defence Excellence and Security (IDEaS) program, Component 1b, “Testing AI Deterrence: Considerations for Physical and Cyber Space,” 2020-2021 [\$186,593].
6. Alex Wilner [PI], Canadian Network for Research on Terrorism, Security, and Society (TSAS), COVID-19 Fund, “Exploiting Chaos: How Malicious Non-State Actors Are Using COVID-19 to Their Advantage in Cyberspace,” 2020-2021 [\$14,930].
7. Alex Wilner [PI], DND COVID-19 Challenge grant, “COVID-19 and Malicious Online Activities,” 2020-2021 [\$9,900].
8. Alex Wilner [PI], Mitacs Accelerate program, “The Impact of Emerging Technologies on Defence Policy,” 2020-2022 [\$240,000]
9. FPA Research Time Award, Carleton University, 2020 [\$7,000].
10. Alex Wilner [PI], DND Mobilizing Insights in Defence and Security (MINDS) Program, Targeted Engagement Grant, “AI: Implications for Defence, National Security, and Intelligence,” 2019-2020 [\$48,433].
11. Alex Wilner [PI], DND Mobilizing Insights in Defence and Security (MINDS) Program grant, “Planning Informed by Design: Canadian Operational Art and How We Fight,” with R. Jensen (Post Doc), 2019-2020 [\$50,000].
12. Alex Wilner [PI], Canadian Network for Research on Terrorism, Security, and Society (TSAS), *Hiding behind Tories: Social Media and Alt-right Mobilization in Canada*,” 2019-2021 [\$37,000].
13. Wei Shi and Alex Wilner [Co-PI] Multidisciplinary Research Catalyst Fund (MRCF), Co-PI with Prof. Wei Shi (Carleton), “Cyber Security for 5G-enabled Infrastructures and Applications,” 2019 [\$10,000].
14. FPA Research Time Award, Carleton University, 2019 [\$7,000].
15. Alex Wilner [PI], DND Innovation for Defence Excellence and Security (IDEaS) program, “AI Deterrence: Science, Theory, and Practice,” 2018 [\$69,000].
16. Early Researcher Award, Government of Ontario, Carleton Nomination, 2018.
17. Alex Wilner [PI], Canadian Network for Research on Terrorism, Security, and Society (TSAS), *The En-Threat Project: An Assessment of Physical and Cyber Terrorist Threats to Canada’s Energy Sector*, (with Casey Babb, PhD Candidate), 2018. [\$15,000].

18. Alex Wilner [PI], Department of National Defence (DND), Defence Engagement Program (*Ottawa Workshop on Strategic Foresight*), 2017. [\$16,500].
19. Alex Wilner [PI], Canadian Security Intelligence Service (CSIS), Academic Outreach grant (*Ottawa Workshop on Strategic Foresight*), 2017. [\$5,000].
20. Alex Wilner [PI], Policy Horizons Canada, Workshop Fund (*Ottawa Workshop on Strategic Foresight*), 2017. [\$2,500].
21. Alex Wilner [PI], Social Sciences and Humanities Research Council (SSHRC) *Multi-Domain Cyber Deterrence: Theory and Practice*, 2016-2018 [\$44,030]
22. John Sawyer [PI]; Alex Wilner, co-applicant, *Dissuading Adversaries and their Radiological/Nuclear Pathways: Integrating Deterrence Theory and Analytics in the GND*, US National Science Foundation (Domestic Nuclear Detection Office), START/University of Maryland, 2013/14. [\$350,000 US] (Co-investigator).
23. Alex Wilner [PI], Department of National Defence (DND), Defence Engagement Program (*Deterrence by Denial Workshop*), 2013. [\$10,000].

Scholarships

1. Postdoctoral Award, *Transatlantic Postdoc Fellowship for International Relations and Security*, German Institute for International and Security Affairs, 2008-2010. [\$37,500/annum]
2. Postdoctoral Award, *R.B. Byers Post-Doc Fellowship*, Department of National Defence (Security and Defence Forum) 2008-2009. [Declined; \$35,000]
3. Doctoral Award, *Dr. Ronald Baker Doctoral Scholarship*, Department of National Defence (Security and Defence Forum), 2007-2008. [\$22,500]
4. Doctoral Award, Social Sciences and Humanities Research Council of Canada, 2007-2008. [Declined; \$20,000]
5. Doctoral Award, *Dr. Ronald Baker Doctoral Scholarship*, Department of National Defence (Security and Defence Forum), 2006-2007. [\$22,500]
6. Doctoral Award, Faculty of Graduate Studies, Dalhousie University, 2004-2006. [\$6000/annum]
7. Doctoral Award, Centre for Foreign Policy Studies, Dalhousie University Studies, 2004-2006. [\$4000/annum]

Awards

1. *Queen Elizabeth II Diamond Jubilee Medal*, Government of Canada, (January 2013).
2. Amos Perlmutter Prize, *Journal of Strategic Studies*, “Deterring the Undeterrable: Coercion, Denial, and Delegitimization in Counterterrorism”, 34:1 (2011). [Best article of the year; \$500 USD prize.]
3. Bruce S. Oland Essay Competition, *Canadian Naval Review* “One Fish, Two Fish, Three Fish ... No Fish: Canada’s Navy and the Global Fisheries’ Crisis”, with Kathleen Bigney, 4:2 (2008). [Best article of the year; \$1000 CAD prize.]

4. Society for Military and Strategic Studies Award of Excellence, *Graduate Essay Competition*, Third Place, University of Calgary, Canada, 2005.

Standing Offers & Other Research Contracts

1. Environment and Climate Change Canada, Foresight Training and Services, 2021.
2. Global Affairs Canada (GAC), Canadian Foreign Service Institute, Foresight Policy Development, 2020-21.
3. Department of National Defence, CANSOFCOM, Foresight and National Security training workshop, 2020.
4. Global Affairs Canada (GAC), Canadian Foreign Service Institute, Foresight Policy Development, 2019.
5. Standards Council of Canada, Strategic Foresight Training, Summer 2019-Winter 2020.
6. IRCC, Strategic Foresight Training, May 2019.
7. Natural Resources Canada (NRCan), Canadian Forest Service, Strategic Foresight Training Workshop, February-August 2019.
8. Global Affairs Canada (GAC), Canadian Foreign Service Institute, Foresight Policy Development, February 21-22, 2019.
9. IRCC, Strategic Foresight Training, November 2018.
10. Canadian Heritage, Strategic Foresight Training, November 5-6, 2018.
11. Global Affairs Canada (GAC), Canadian Foreign Service Institute, Foresight Policy Development, October 22-23, 2018.
12. Global Affairs Canada (GAC), The Centre for Intercultural Learning, *Strengthening Canada's Influence: Integrating Foresight and Design for Whole of Government Approaches*, March 2018.
13. Natural Resources Canada (NRCan), Canadian Forest Service, Strategic Foresight Training Workshop, March 19 & 22, 2017.
14. Employment and Social Development Canada (ESDC), Strategic Foresight Training Workshop, December 11-12, 2017.
15. Policy Horizons Canada, Scanning and Foresight Services, with WME Consulting, *Standing Offer 2017-2020*.
16. Macdonald Laurier Institute, "The Yearly Look Ahead" and "ISIS in Canada: Patterns of Radicalization, Recruitment, and Terrorism", 2017-2018 [\$40,000 CAD].

Publications

Books

1. Alex Wilner, *Deterring Rational Fanatics* (Philadelphia, PA: University of Pennsylvania Press, 2015).

Edited Volumes

1. Alex Wilner and Andreas Wenger (eds.) *Deterrence by Denial: Theory and Practice*, (Cambria Press, 2021).
2. Andreas Wenger and Alex Wilner (eds.) *Deterring Terrorism: Theory and Practice* (Stanford: Stanford University Press, 2012).
3. Alex Wilner and Riley Hennessey (eds.), *Revolution or Evolution: Emerging Security Threats in the 21st Century* (Halifax: Centre for Foreign Policy Studies, 2006).

Journal Articles [* denotes student co-author]

- a) *Alex Wilner, Harrison Luce, Eva Ouellet, Olivia Williams, and Nelson Costa, "From Cyber Hygiene to Public Health: Cybersecurity and Canada's Healthcare Sector," (Under Review, *Journal of Cyber Policy*, 2021).
1. *Denis Suljić and Alex Wilner, "From Conversion to Violent Extremism: Empirical Analysis of Three Canadian Muslim Converts to Islam," *Journal for Deradicalization* No. 26 (Spring 2021).
2. *Kevin Budning, Alex Wilner, and Guillaume Cote, "Connecting the Dots on Canada's Connected Battlespace," *International Journal* (2021).
3. Alex Wilner and Martin Roy, "Canada's Emerging Foresight Landscape," *Foresight* 22:5/6 (2020).
4. Alex Wilner, "US Cyber Deterrence: Practice Guiding Theory," *Journal of Strategic Studies*, 43:2 (2020).
5. *Casey Babb and Alex Wilner, "Passwords, Pistols, and Power Plants: An Assessment of Physical and Digital Threats Targeting Canada's Energy Sector," *International Journal* 74:4 (2019).
6. * Alex Wilner, Anna Jeffery, Jacqueline Lalor, Kathleen Matthews, Krystene Robinson, Alexandra Rosolska, and Catherine Yorgoro, "On the Social Science of Ransomware: Technology, Security, Society," *Comparative Strategy* 38:4 (2019).
7. Alex Wilner, "Cybersecurity and its Discontents: AI, the Internet of Things, and Digital Misinformation," *International Journal* 73:2 (2018).
8. Alex Wilner, "The Dark Side of Extended Deterrence: Thinking Through the State Sponsorship of Terrorism" *Journal of Strategic Studies* 41:3 (2018).

9. *Eva Ducas and Alex Wilner, "The Security and Financial Implications of Blockchain Technologies: Regulating Emerging Technologies in Canada", *International Journal* 72:4 (2017).
10. *Alex Wilner and Brandon Rigato (on behalf of 60 Days of PVE group), "The 60 Days of PVE Campaign: Lessons on Organizing an Online, Peer-to-Peer, Counter-radicalization Program," *Journal of Deradicalization*, Issue No. 12 (2017)
11. Alex Wilner, "Cyber Deterrence and Critical Infrastructure Protection: Expectation, Application, and Limitation", *Comparative Strategy* 36:4 (2017).
12. Alex Wilner, "Contemporary Deterrence Theory and Counterterrorism: A Bridge too Far?" *NYU Journal of International Law and Politics* 47:2 (2015).
13. Jerry Mark Long and Alex Wilner, "Deterring an 'Army Whose Men Love Death': Delegitimizing al-Qaida," *International Security* 39:1 (2014).
14. Alex Wilner, "Fencing in Warfare: Threats, Punishment, and Intra-war Deterrence in Counterterrorism", *Security Studies* 22:4 (2013)
15. Alex Wilner and Marco Wyss, "The Next Generation Fighter Club: How Shifting Markets will Shape Canada's F-35 Debate," *Canadian Military Journal* 12:2, (2012): 18-27.
16. Alex Wilner, "Apocalypse Soon? Deterring Nuclear Iran and its Terrorist Proxies," *Comparative Strategy* 31:1, (2012): 18-40.
17. Alex Wilner, "Opportunity Costs or Costly Opportunities? The Arab Spring, Osama Bin Laden, and al Qaeda's African Affiliates," *Perspectives on Terrorism* 5:3/4, (2011): 50-62.
18. Alex Wilner and CJ Dubouloz, "Transformative Radicalization: Applying Learning Theory to Islamist Radicalization," *Studies in Conflict and Terrorism* 34:5, (2011): 418-438.
19. Alex Wilner, "Deterring the Undeterrable: Coercion, Denial, and Delegitimization in Counterterrorism," *Journal of Strategic Studies* 34:1, (2011): 3-37. [Awarded: Amos Perlmutter Prize 2010]
20. Alex Wilner, "Terrorism in Canada: Victims and Perpetrators," *Journal of Military and Strategic Studies* 12:3, (2010): 72-99.
21. Alex Wilner, "Targeted Killings in Afghanistan: Measuring Coercion and Deterrence in Counterterrorism and Counterinsurgency," *Studies in Conflict and Terrorism* 33:4, (2010): 307-329.
22. Alex Wilner and CJ Dubouloz, "Homegrown Terrorism and Transformative Learning: An Interdisciplinary Approach to Understanding Radicalization," *Global Change, Peace & Security* 22:1, (2010): 33-51.
23. Alex Wilner, "The Swiss-ification of Ethnic Conflict: Historical Lessons in Nation-Building from the Swiss Example" *Federal Governance* 6:1, (2009): 1-27.
24. Kathleen Bigney and Alex Wilner, "One Fish, Two Fish, Three Fish...No Fish: Canada's Navy and the Global Fisheries Crisis," *Canadian Naval Review* 4:2, (2008): 4-9. [Awarded: Bruce S. Oland Essay Competition 2008]

25. Alex Wilner, "Deterring Tehran: The Logic behind Israel's Emerging Cold War," *Israel Journal of Foreign Affairs* 1:2, (2007): 19-32.
26. Alex Wilner, "The Environment-Conflict Nexus: Developing Consensus on Theory and Methodology," *International Journal* 62:1, (2006/7): 169-188.
27. Alex Wilner, "Freshwater Scarcity and Hydropolitical Conflict: Between the Science of Freshwater and the Politics of Conflict," *Journal of Military and Strategic Studies* 8:1, (2005): 1-19. [Awarded: SMSS Award of Excellence 2005]

Book Chapters

1. * Casey Babb and Alex Wilner, "Exploiting Chaos: How Malicious Non-State Actors Leverage COVID-19 to their Advantage in Cyberspace," in *Stress Tested: The COVID-19 Pandemic and Canadian National Security*, West et. al. (eds.) (University of Calgary Press, 2021).
2. Alex Wilner, "Public Safety Canada," in *Top Secret Canada*, Carvin et. al. (eds.) (University of Toronto Press: 2020).
3. *Alex Wilner and Casey Babb, "New Technologies and Deterrence: Artificial Intelligence and Adversarial Behaviour," in *Deterrence in the 21st Century (Netherlands Annual Review of Military Studies 2020)*, Osinga and Sweijts (eds.), (Springer: 2021).
4. Alex Wilner and Claire-Jehanne Dubouloz, "Radicalization as Transformative Learning: A Theoretical and Illustrative Exploration," in *Radicalization and Counter-radicalization*, Deflem and Silva (eds.), (Emerald: Sociology of Crime, Law, and Deviance, Vol. 25, 2021).
5. Andreas Wenger and Alex Wilner, "Deterrence by Denial: Next Steps" in *Deterrence by Denial*, Wilner and Wenger (eds.), (Cambria, 2021).
6. Alex Wilner, "Dawn of a New Deterrence: Escalation, Cumulative, and Communicative Denial" in *Deterrence by Denial*, Wilner and Wenger (eds.), (Cambria, 2021).
7. Alex Wilner and Andreas Wenger, "Into the Next Century: The Changing Theory and Practice of Denial" in *Deterrence by Denial*, Wilner and Wenger (eds.), (Cambria, 2021).
8. Alex Wilner, "Public Safety Canada," in *Top Secret Canada*, Carvin et. al. (eds.), (University of Toronto, 2020).
9. *Ryder McKeown and Alex Wilner, "Deterrence in Space and Cyberspace," in *Canadian Defence Policy in Theory and Practice*, Juneau, et. al. (eds.) (Palgrave 2019).
10. Alex Wilner, "Political Realism, Terrorism, and the Logic of Deterrence," in *The Edinburgh Companion to Political Realism*, Schuett and Hollingworth, (eds.), (Edinburgh University Press, 2018).
11. Alex Wilner, "The Changing Character of Transnational Terrorism: Europe in the Crosshairs", in *The Handbook of European Armed Forces*, Wyss and Meijer (eds.), (Oxford University Press, 2018)

12. Alex Wilner, “Canada and the Arab Islamists: Plus ça change ...” in *The West and the Muslim Brotherhood after the Arab Spring*, Vidino (ed.), (Washington, DC: Foreign Policy Research Institute, 2013).
13. Frank Harvey and Alex Wilner, “Counter-Coercion, the Power of Failure, and the Practical Limits of Deterring Terrorism,” in *Deterring Terrorism: Theory and Practice*, Andreas Wenger and Alex Wilner (eds.), (Stanford: Stanford University Press, 2012).
14. Alex Wilner and Andreas Wenger, “Linking Deterrence to Terrorism: Promises and Pitfalls,” in *Deterring Terrorism: Theory and Practice*, Andreas Wenger and Alex Wilner (eds.) (Stanford: Stanford University Press, 2012).
15. Andreas Wenger and Alex Wilner, “Deterring Terrorism: Moving Forward”, (with Andreas Wenger) in *Deterring Terrorism: Theory and Practice*, (Stanford: Stanford University Press, 2012).
16. Alex Wilner, “Counter-capability and Counter-motivation: Combating Terrorism in Canada”, in *Canada’s National Security Strategy in the Post-9/11 World: Strategy, Interest, and Threats*, David McDonough (ed.) (Toronto: Toronto University Press, 2012).
17. Alex Wilner, “The End of Deterrence? Thoughts on Hans Kristensen’s Counterproliferation and US Nuclear Strategy” in *U.S. Nuclear Strategy, and the Implications for Global Security*, David McDonough (ed.) (Halifax: Centre for Foreign Policy Studies, 2009).
18. Alex Wilner, “Approaching the Study of Contemporary Security: An Evolution in Practice, a Revolution in Thought?” (with Riley Hennessey) in *Revolution or Evolution: Emerging Security Threats in the 21st Century*, Alex Wilner and Riley Hennessey (eds.), (Halifax: Centre for Foreign Policy Studies, 2006).
19. Alex Wilner, “Freshwater Scarcity and Hydropolitical Conflict: Between the Science of Freshwater and the Politics of Conflict,” in *Perspectives on War: Volume 3*, Laurel Halladay (ed.), (Calgary: Society for Military and Strategic Studies, 2005). [Reprint from *Journal of Military and Strategic Studies* 8:1 2005]

Other Publications

Government Documents

1. *Alex Wilner and Kristin Nicholson, Ottawa Workshop sponsors (DND, CSIS, Policy Horizons Canada), with Kristin Nicholson, “The Ottawa Workshop on Strategic Foresight: Charting the Future of Technology and National Security & Defence Priorities,” January 2018.
2. Policy Horizons Canada, *MetaScan 4: The Future of Asia – Implications for Canada* (institutional co-author), February 2016.
3. Policy Horizons Canada, *Geostrategic Cluster Findings: The Future of Asia – Implications for Canada* (institutional lead pen), February 2016.

Review Articles

1. Alex Wilner, “David Patrikarakos: *Nuclear Iran: The Birth of an Atomic State*”, in *Israel Journal of Foreign Affairs* 7:3 (2013).

2. Alex Wilner, “Avner Cohen, *The Worst-Kept Secret: Israel’s Bargain with the Bomb*”, in *Israel Journal of Foreign Affairs* 5:2 (2011): 99-103.
3. Alex Wilner, “Bernard Lewis, *The Crisis of Islam: Holy War and Unholy Terror*,” (Trans. Ignacio de la Rasilla del Moral), in *Revista Internacional de Pensamiento Politico*, Issue 3, (2008).

Policy Pieces

1. Alex Wilner, “Cyber Futures: A Preliminary Scanning and Foresight Report,” DSF Group (October 2020).
2. * Alex Wilner, James Balasch, Jon Kandelshein, Cristian Lorenzoni, and Sydney Reis *Digital Foreign Interference: Past, Present, and Future*, Macdonald Laurier Institute, September 2019.
3. Alex Wilner, *Canadian Terrorists by the Numbers: An Assessment of Canadians Joining and Supporting Terrorist Groups*, Macdonald Laurier Institute, April 2019.
4. Alex Wilner, *Global Security Look Ahead: A Collection of Essays*, Macdonald Laurier Institute, March 2017.
5. Alex Wilner, “Defeating ISIS is Just the Beginning”, *MLI Global Security Look Ahead*, February 2017.
6. Alex Wilner, “MLI Global Security Look Ahead Project”, *Inside Policy*, January 16, 2017.
7. Alex Wilner, “The Promises and Pitfalls of Counterterrorism”, *Vanguard Magazine* (June/July 2014), 39-41.
8. Alex Wilner, “Why Even Good Counterterrorism Sometimes Falls Short”, *Inside Policy*, February 2014, 28-30.
9. Alex Wilner, “The Nuclear Terrorist Threat is Not as Significant as World Leaders Say,” in D. Miller (ed.), *Nuclear Armament*, (New York: Greenhaven Press, 2012).
10. Alex Wilner, “Halting al Qaeda’s African Rebound: Why Supporting the Arab Spring and Exploiting bin Laden’s Death will keep Canadians Safer,” *MLI Commentary*, (2011): 1-21.
11. Alex Wilner, “Deadly Attitudes: Radicalization and Homegrown Terrorism in Canada,” in C. Leuprecht and C. Winn, *What Do Muslim Canadians Want?*, *MIL True North* No. 6, (2011): 27-32.
12. Alex Wilner, “Al Qaeda’s Uncertain Future,” *CSS Analyses in Security Policy*, No. 98, 2011: 1-4.
13. Alex Wilner, “From Radicalization to Terrorism,” *ISN Insights*, (2011), 1-2.
14. Alex Wilner and Brian Lee Crowley, “Preventing Prison Radicalization in Canada: More needs to be done,” *MLI Commentary*, Macdonald Laurier Institute (2011): 1-7.
15. Alex Wilner, “From Rehabilitation to Recruitment: Islamist Prison Radicalization in Canada,” *MLI True North* No. 3, Macdonald Laurier Institute (2010): 1-38.

16. Alex Wilner, “Delegitimizing Terrorism: A better way to counter radicalization and recruitment in the West”, *Commentary*, Atlantic Institute for Market Studies (2010): 1-6.
17. Alex Wilner, “Canada’s Role in Combating al Qaeda: International, Regional, and Homegrown Dimensions,” *Strategic Datalink* No. 11, Canadian International Council (2009): 1-7.
18. Alex Wilner, “The Campaign Against Terrorism: Successes and Failures,” *CSS Analyses in Security Policy*, No. 48, 2009: 1-4.
19. Alex Wilner, “Enemies Within: Combating Homegrown Terrorism in Canada,” *Commentary*, Atlantic Institute for Market Studies (2008): 1-32.

Newspaper Op/Eds

1. “What you should know about Digital Foreign Interference,” (with Sydney Reis*), *Maclean’s* September 11, 2019
2. “Why Canada-Counter Proliferation Framework Needs an Update,” *The Hill Times*, March 18, 2019
3. “Terrorism in the West is Rising”, *Toronto Sun*, February 15, 2017.
4. “ISIS on the Ropes – and Extremely Dangerous,” *iPolitics*, February 10, 2017.
5. “Losing the Long War on ISIS,” *The Hill Times* (Special Briefing on Defence), May 23, 2016.
6. “Terrorist Ransom: A lose-lose for any Government,” *Globe and Mail*, April 26, 2016.
7. “Libya must be part of the plan to beat Islamic State,” *Globe and Mail*, February 5, 2016.
8. “ISIS is the World’s most dangerous states sponsor of terrorism,” *Toronto Sun*, March 25, 2016.
9. “Promises and Pitfalls of our Islamic State Mission,” *Toronto Sun*, February 10, 2016.
10. “Pairs Attacks Conform to Larger Terrorism Trends”, CDA Institute, November 19, 2015.
11. “Next Steps Following the Sinai Terrorist Attack”, *Ottawa Citizen*, November 11, 2015.
12. “What post-Paris NATO means for Canada”, *Toronto Sun*, November 20, 2015, (with Stephanie Von Hlatky).
13. “Why a Modi win in India will become a Headache for Canada”, *Globe and Mail* (April 14, 2014), (with Anita Singh).
14. “The Challenge of Counterterrorism,” *Ottawa Citizen*, February 2, 2014.
15. “Ballistic Missile Defence: An Idea Whose Time Has Come”, *Frontline Defence*, Iss. 5 (2013), with Brian L. Crowley
16. “Europe’s Hezbollah Blacklist is a Timely Move”, *Globe and Mail*, (July 26, 2013).
17. “Why the Military Counts in Counter Terrorism”, *Embassy*, (May 15, 2013).
18. “Strange Bedfellows: What’s al-Qaida doing in Iran?” *Ottawa Citizen*, (April 22, 2013).
19. “France’s Africa Links may have Spared Allies”, *Embassy*, (February 20, 2013).

20. "Bulgarian Bomb Report in Hand, EU must now Cripple Hezbollah", *Globe and Mail*, (February 6, 2013).
21. "Canada no Stranger to al-Qaeda", *BBC News*, (January 23, 2013).
22. "Canada's counter-terrorism strategy: Deterrence through disclosure", *Embassy*, (February 10, 2012).
23. "A Case for the Joint Strike Fighter", *Vanguard Magazine*, Issue 1 (January 2012), (with Marco Wyss).
24. "Canada's Mission to Libya: The Sequel", *Embassy*, (November 30, 2011).
25. "Don't Let the Fight against al-Qaeda become Old News after Norway", *National Post*, (July 26, 2011), A11.
26. "The Case for the F-35", *National Post*, (May 16, 2011), A8. (With Marco Wyss).
27. "Bin Laden's Death Sends another Terrorist Thug to his Just Reward", *National Post*, (May 2, 2011).
28. "Gaddafi Drives Tanks through Cracks in NATO's Resolve", *National Post*, (April 15, 2011).
29. "Canada Grows its Own Terrorists", *National Post*, (March 31, 2011).
30. "In Canada, Deterrence Making a Comeback in Counter Terrorism", *Epoch Times* (March 18, 2011), A7.
31. "Getting ahead of prison radicalization", *Globe and Mail*, (October 18, 2010), A22.
32. "How to use SUVs to mow down Canadian enemies", *National Post*, (October 18, 2010).
33. "Why we need to fight terrorism intellectually", *Vancouver Sun*, (August 27, 2010).
34. "Faisal Shahzad Shows Anti-terror Plans Still Don't Work", *National Post*, (May 6, 2010).
35. "The Cold War's Lesson for Nuclear Terrorism", *National Post*, (April 29, 2010).
36. "Fact and Fiction in Nuclear Terrorism", *National Post*, (April 20, 2010).
37. "Protecting Democracy from Terrorism", *National Post*, (March 25, 2010), A12.
38. "We must make sure that prison isn't terrorism school", *Globe and Mail*, (October 20, 2009), A22.
39. "Beyond belief: Canadians who target other Canadians", *Globe and Mail*, (November 5, 2008), A23.
40. "And Now for Some Good News", *New Brunswick Telegraph-Journal*, (July 27, 2007), A5.
41. "Patrons of Terror get a Free Ride", *Chronicle Herald*, (August 18, 2006), A18.

Creative Publications

1. Alex Wilner, "Teaching the Future," *Courage, Curiosity, Teapots and Snakes: Stories of Teaching at Carleton University* (Carleton university, 2019).
2. Alex Wilner "DIY Gaspe," *This is Fly* Iss. 48 (August/September 2014), <http://www.thisisflydaily.com/> 20-32.

Conference Papers and Keynote Addresses [* denotes student co-presenter]

- 2020 “Strategic Foresight in Canada,” UNESCO Futures Literacy Summit, December 2020.
- 2019 “Deterrence and Technology,” Canadian Forces College, Lecture, May 2019
- 2019 “Deterrence and AI: Lessons and Next Steps,” Stakeholder Meeting, NPSIA, Carleton University, Ottawa, Canada, May 2019.
- 2019 * “Passwords, Pistols, and Power Plants: An Assessment of Threats Facing the Energy Sector,” with Casey Babb, ISA Annual Convention, Toronto, Canada, March 2019.
- 2019 “AI and Deterrence: Science, Theory, and Practice,” ISA Annual Convention, Toronto, Canada, March 2019.
- 2019 “Right Wing Extremism” Panel moderator, TSAS Annual Conference, Ottawa, Toronto, March 2019.
- 2019 “Open-sourced Publications, Emerging Technologies, and Dual-Use Science,” Counter-Proliferation Dialogue, Public Safety Canada, Toronto, Canada, March 2019
- 2019 “AI Deterrence,” Deterrence & Assurance Within an Alliance Framework symposium, North Atlantic Treaty Organization (NATO), London, UK, January 2019.
- 2018 “Artificial Intelligence and National Security Concerns” AI and the Implications for the Canadian Intelligence Enterprise, Canadian Intelligence Conference (CANIC), Ottawa, October 23, 2018.
- 2018 “Blockchain: Risks, Challenges, and Concerns,” Blockchain and National Security Conference, Public Safety Canada, Ottawa, October 18, 2018.
- 2018 “Public Safety Canada: The Peanut Butter keeping your Security Sandwich Together,” Mapping Canada’s Intelligence Community, University of Ottawa, Ottawa, April 2018.
- 2018 “Contemporary Security & Defence Challenges: The IoT, Digital Misinformation, and AI,” Royal Canadian Military Institute, International Security in 2018 Conference, Toronto, April 2018.
- 2018 “Anti-Semitism, Racism, and Violent Radicalization,” Vanier College, Antisemitism and Extremism in Europe and North America, Montreal, April 2018

- 2018 “Leveraging Strategic Foresight Analysis to Illustrate the Relationship between Power, Rules and International Norms,” Roundtable, International Studies Association Annual Convention, San Francisco, USA, April.
- 2018 “Tactical vs. Strategic Deterrence in Cyberspace: Bottom-up Lessons in Cybersecurity” International Studies Association Annual Convention, San Francisco, USA, April.
- 2018 “The Challenges of Future Arms Control across Domains”, Roundtable, International Studies Association Annual Convention, San Francisco, USA, April.
- 2018 “How to make sense of PVE and CVE”, at Proactively Preventing Violent Extremism, Centre for the Prevention of Radicalization Leading to Violence & UNESCO, Ottawa, Ontario, March
- 2018 * “Getting Cyber Deterrence Wrong: Tactical Lessons vs. Strategic Logic”, (with J. Witherspoon), XIX International Sociological Association World Congress, Toronto, Canada, July.
- 2017 “Strategic Foresight and Social Science,” Ottawa Workshop on Strategic Foresight, Carleton University, Canada, November
- 2017 * “Canadian Deterrence in Space and Cyberspace,” (with R. McKeown), Defence Policy Workshop, University of Ottawa, Canada, December.
- 2017 “Artificial Intelligence and Cyber Security: A Meeting of Minds,” AI World Forum, (2017), Toronto, Canada, November 27-28.
- 2017 “Let’s Talk Cybersecurity” Canada School of Public Service, Ottawa, Canada, September.
- 2017 “Worlds Apart: Security Considerations for 2017,” Canada-India Centre for Excellence, Ottawa, Canada, May 26.
- 2017 * “Strategic Denial vs. Tactical Denial in Cyber Deterrence”, (with J. Witherspoon) *Between Deterrence and Assurance: Understanding Canada’s Role*, Queen’s University, Kingston, Canada, May.
- 2017 “Grasping the Future of Canadian Governance: Using Strategic Foresight to Explore Canada’s Evolving Political Landscape”, Panel Chair and Participant, *Visions for Canada, 2042*, Faculty of Public Affairs, Carleton University, March 2-3.
- 2017 “Cyber Deterrence and Critical Infrastructure Protection” *International Studies Association (ISA)*, Annual Convention, Baltimore, USA. February.
- 2017 * “Using Strategic Foresight to Explore Change in IR”, (with S. Schirmer) *International Studies Association (ISA)*, Annual Convention, Baltimore, USA. February.

- 2017 *Countering Violent Extremism and Terrorism*, participant, Centre for International and Defence Policy, Kingston, Ontario.
- 2017 “Security in Canada: How Worried Should We Be? Part Two” Congregation Machzikei Hadas, Ottawa, February 10.
- 2016 “Deterrence of Threats to Critical National Infrastructure based on International Experiences” Infrastructure Resilience Research Group, *Symposium on Security and Infrastructure Resilience*, Ottawa, Canada.
- 2016 “The Changing Character of Transnational Terrorism: Europe in the Crosshairs,” *International Studies Association (ISA)*, Annual Convention, Atlanta, Georgia, USA. March 29
- 2016 “Advanced Technology, New Domains and the Future of Warfare,” Mackenzie Institute Conference, Ottawa, March 28-29.
- 2016 “Canada’s Intelligence Prospective”, Reporters without Borders Panel Event, Carleton University, February 8.
- 2016 “Security in Canada: How Worried Should We Be?” Congregation Machzikei Hadas, Ottawa, January 15.
- 2015 “After Paris: What next for Western Alliances,” Queen’s University Workshop, Kingston, December 8.
- 2014 “Deterring Terrorism: Old Bridges, New Gaps”, *Navigating Deterrence: Law, Strategy, and Security in the 21st Century*, Center on Law and Security, New York University (School of Law), Abu Dhabi Campus, UAE.
- 2014 “Out from behind the Shadow: Deterrence by Denial in Contemporary Security”, *International Studies Association (ISA)*, Annual Convention, Toronto, Canada.
- 2014 Intra-War Deterrence and Violent Non-state Actors: Israel vs. Hezbollah”, *International Studies Association (ISA)*, Annual Convention, Toronto, Canada.
- 2013 “Canadian Terrorism: Conceptions and Misconceptions”, Canadian Association for Security and Intelligence Studies (CASIS), *Terrorism and Canada*, Ottawa.
- 2013 “What Next for Deterrence by Denial?” *Deterrence by Denial: Theory, Practice, Empiricism*, University of Toronto, Canada.
- 2013 “Deterring Terrorism: Theory and Practice”, Roundtable, *International Studies Association*, San Francisco, USA.
- 2012 “The Dark Side of Extended Deterrence: State Sponsors of Terrorism and the Sponsor-Proxy Relationship” *The Future of Extended Deterrence in Europe*, ETH Zurich, Switzerland.
- 2012 “Violent Transformations: Can Adult Learning Theory Help Explain Radicalization, Political Violence, and Terrorism?” *Annual Adult Education Research Conference*, Saratoga Springs, USA. (With CJ Dubouloz).

- 2012 “Fencing in Warfare: Thresholds, Escalation, and Intra-war Deterrence in Counterterrorism”, *International Studies Association*, San Diego, USA.
- 2011 “Transformative Crises and Radicalization: What Learning Theory can tell us About Political Violence and Terrorism”, *Annual Transformative Learning Conference*, Athens, Greece. (With CJ Dubouloz).
- 2011 “Deterrence and Coercion: Iran and the State Sponsorship of Terrorism”, *International Studies Association*, Montreal, Canada.
- 2011 “What Killing OBL Does and Does Not Do”, *Foraus* (Swiss foreign policy think tank), Zurich, Switzerland
- 2011 “Canada at War: Successes and Failures in Combating Terrorism”, *ACT! For Canada*, Montreal, Canada.
- 2010 “From Rehabilitation to Recruitment: Canadian Prison Radicalization and Islamist Terrorism”, *Canadian Political Science Association*, Concordia University, Montreal, Canada.
- 2010 “Counter-coercion, the Power of Failure and the Practical Limits of Coercing Terrorists”, *International Studies Association*, New Orleans, Louisiana.
- 2010 “Radicalization as a Process of Transformative Learning: An Interdisciplinary Approach to Homegrown Terrorism”, *International Studies Association*, New Orleans, Louisiana. (With CJ Dubouloz).
- 2009 “Counter-coercion, the Power of Failure and the Practical Limits of Coercing Terrorists”, *Deterring Terrorism: Theory and Practice*, ETH, Zurich, Switzerland.
- 2009 “Homegrown Terrorism and Transformative Learning: An Interdisciplinary Approach to Understanding Radicalization”, German Institute for International and Security Affairs, Berlin, Germany.
- 2009 “Homegrown Terrorism and Transformative Learning”, *Canadian Political Science Association*, Carleton University, Ottawa, Canada. (With CJ Dubouloz).
- 2009 “Influencing Terrorist Behaviour: Lessons from Afghanistan”, *International Studies Association*, New York City, New York.
- 2009 “Deterring the Undeterrable: The Theory and Practice of Coercing Terrorists”, RAND Corporation, Arlington, USA.
- 2008 “Global Counterterrorism: Offence, Defence...& Deterrence?” *Canadian Political Science Association*, University of British Columbia, Vancouver, Canada.
- 2008 “A Mixed-Bag Approach: Counter-proliferation, Deterrence, and War-fighting post-9/11,” Canadian International Council *Working Group on Nuclear Strategy*, Halifax, Canada.
- 2007 “Follow the Money: The Theory and Practice of Deterring Terrorism”, *Association for Canadian Studies in the United States*, Toronto, Canada.

- 2007 “The Little Black Box that Could: Third Level Variables and Canada’s Evolving Foreign Policy”, *Canadian Political Science Association*, University of Saskatchewan, Saskatoon, Canada.
- 2007 “A Debate: Which is Better? A Good Offence or a Good Defence in the War on Terror?” *CIVITAS Annual Convention*, Halifax, Canada.
- 2006 “Terrorism, Security, and Conceptions of the State: Expanding Realism for an Era of Evolving International Violence”, *Middle East & Central Asia Politics, Economics, & Society Conference*, University of Utah, Salt Lake City, USA.
- 2005 “Problems of Definition, Problems of Action: The United Nations, Resolution 1373, and the Restructuring of Global Counter-Terrorism”, *Canadian Institute of International Affairs*, Halifax, Canada.

Other Professional Activities

Government Services

- 2021 Canadian Forces College (Virutal), Expert Briefing (foresight), April 2021
- 2019 Canadian Forces College (Toronto), Expert Briefing (deterrence), May 2019.
- 2019 Global Affairs Canada, Middle East Strategy Evaluation – SME Workshop, May 2019.
- 2019 Public Safety, Counter Proliferation Dialogue, Consultation, Jan-May 2019.
- 2018 Canadian Radio-television and Telecommunications Commission (CRTC), Strategic Foresight Primer, August 2018.
- 2018 Working Dinner, Netherlands National Coordinate for Security and Counterterrorism (NCTV) delegation, Ambassador’s Residence.
- 2017 - Royal Canadian Mounted Police (RCMP), Foresight Unit Advisor.
- 2017 Canada School of Public Policy, “Let’s Talk Cybersecurity”, Panelists, Ottawa, Canada, September.
- 2016 Danish National Center for Terror Analysis (CTA), Keynote, Danish Embassy, Ottawa, November.
- 2016 CSIS Expert Briefing and Panel Discussion, Presenter, October.
- 2016 Working Dinner, Israeli Counterterrorism Delegation, Ambassador’s Residence.
- 2016 DND (Defence Engagement Program), Expert Briefing, “Defeating and Deterring ISIS: Emerging Threats, Evolving Strategies,” February.
- 2016 DND-STRATCOM Deterrence Academic Alliance, Participating member.

- 2015 Communications Security Establishment Canada (CSE), Presenter, “From “BadBit” to “TrustedBit”: Workshop on Virtual Currency, Ottawa, Canada, December.
- 2015 Recruitment of Policy Leaders (RPL) program, Adjudicator.
- 2012 Communications Security Establishment Canada (CSE), Keynote, “Deterring Terrorism: Theory, Process, Action”, Ottawa, Canada.
- 2010 Canadian Security Intelligence Service (CSIS), Keynote, “Deterring Terrorism and Prison Radicalization in Canada”, Ottawa, Canada.
- 2010 *Special Senate Committee on Anti-Terrorism* (Government of Canada), Expert Testimony, “Pre-Emptying, Containing, and Reversing Prison Radicalization in Canada”, Ottawa, Canada.
- 2010 Department of National Defence (DND), Document Reviewer, “Deterrence in the 21st Century”.
- 2010 Department of Foreign Affairs and International Trade (DFAIT) “Delegitimizing Terrorism” and “Countering Radicalization”, Muskoka 2010 G8 eDiscussions – Global Peace & Security.
- 2009 Citizenship and Immigration Canada (CIC), Keynote, “The Logic of Post-9/11 Deterrence: Using Coercion, Influence, and Manipulation in Counterterrorism”, Ottawa, Canada.

Training Certificates

1. *Strategic Foresight Workshop*, Conference Board of Canada, November 18-19, 2014, Ottawa.
2. *Foundation Course in Group Facilitation*, Intersol Group, January 26-28, 2015, Ottawa.

External Referee

International Security (2021); *Perspectives on Terrorism* (2021); *International Journal* (2021); *Intelligence & National Security* (2020); *Intelligence and National Security* (2020); *Futures* (2020); *Journal of Strategic Studies* (2019); *Contemporary Security Policy* (2019); *Terrorism and Political Violence* (2019); *Canadian Journal of Foreign Policy* (2018); *International Security* (2017); *Terrorism and Political Violence* (2017); *Canadian Journal of Political Science* (2017); *Journal of Strategic Studies* (2017); *Rutledge Book Review* (2016); *International Journal* (2016); *Defence & Peace Economics* (2015); *Conflict Management and Peace Science* (2015); *International Security* (2015); *International Journal* (2015); *Security Studies* (2015); *Canadian Journal of Political Science* (2014); Canadian Network for Research on Terrorism, Security, and Society (2014); *Security Studies* (2014); *Perspectives on Terrorism* (2014); *Journal of Policing, Intelligence and Counter Terrorism* (2013); *Politics, Religion & Ideology* (2011); *Contemporary Security Policy* (2011); *British Journal of Sociology* (2011); *Canadian Journal of Political Science* (2011); *Terrorism and Political Violence* (2010); *Journal of Conflict Studies* (2010).

Conference and Panel Organization

- 2021 Impacts of Space-based Assets on Defence Operations & Policy, Co-Organizer and Presenter, Ottawa, Canada, April

- 2020 AI and National Security, Defence, and Intelligence, Carleton university, Organizer and presenter, Ottawa, Canada, February.
- 2019 *AI Deterrence Stakeholder Meeting*, NPSIA, Carleton University, Organizer and presenter, Ottawa, Canada, May.
- 2017 *Ottawa Workshop on Strategic Foresight*, Conference Organizer and presenter, Ottawa, Canada, November.
- 2017 *Visions for Canada 2014*, Faculty of Public Affairs, Panel Organizer, Ottawa, Canada, March.
- 2016 *The Trudeau Government's Foreign Policy: The First 100 Days*, Steering committee/Panel Organizer and presenter, Ottawa Canada, January
- 2015 *The Year Ahead: An International Security and Intelligence Outlook for 2016*, Steering committee/Panel Organizer, Ottawa Canada, Dec. 4.
- 2014 *International Studies Association*, Panel Organizer/Participant: "Revisiting Deterrence: From Nuclear Threats to Denial, and from State to Non-state", (Toronto, Canada).
- 2013 *Deterrence by Denial: Theory, Practice, & Empiricism*, Conference Chair, Organizer, Participant (Munk School of Global Affairs, University of Toronto, Canada).
- 2013 *International Studies Association*, Roundtable Organizer/Participant: "Deterring Terrorism: Theory and Practice," (San Francisco, USA).
- 2012 *International Studies Association*, Panel Organizer/Participant: "A Deterrence Comeback: New Threats, Novel Approaches," (San Diego, USA).
- 2011 *International Security Forum*, Conference Co-Organizer/Participant (Geneva, Switzerland).
- 2011 *International Studies Association*, Panel Organizer/Participant: "Deterring Nuclear Iran," (Montreal, Canada).
- 2010 *International Studies Association*, Panel Organizer/Participant: "Deterring Terrorism: Theory and Practice", (New Orleans, USA).
- 2010 *International Studies Association*, Panel Organizer/Participant: "Deterring WMD Terrorism," (New Orleans, USA).
- 2009 *Deterring Terrorism: Theory and Practice*, Conference Chair, Organizer, Participant (ETH Zurich, Zurich, Switzerland).
- 2008 *Challenging Canada: Strategic Threats and Shared Responsibility in an Insecure World*, Steering Committee Member: 3rd Annual Graduate Student Symposium, (Dalhousie University, Halifax, Canada).
- 2007 *From Defence to Development: Resolving Threats to Global Security*, Steering

Committee Member: 2nd Annual Graduate Student Symposium, (Dalhousie University, Halifax, Canada).

2006 *Revolution or Evolution? Emerging Threats to Security in the 21st Century*, Conference Chair, Organizer, Participant: 1st Annual Graduate Student Symposium (Dalhousie University, Halifax, Canada).

Academic Responsibilities (Teaching)

1. *International Studies Capstone Seminar*, PAPM 4000, Carleton University, Canada (4th year seminar course), 2018 -
2. *Strategic Foresight in International Security*, NPSIA, Carleton University, Canada (Graduate Level), 2015 -
3. *Capstone in Canadian National Security*, NPSIA, Carleton University, Canada, (Graduate Level), 2016 -
 - a. Winter 2021 Partners: Public Safety, Canada Center for Community Engagement and Prevention of Violence; CIBC; Collins Aerospace
 - b. Winter 2019 Partners: FINTRAC, Global Affairs Canada, Public Safety, Transport Canada
 - c. Winter 2018 Partners: FINTRAC, Global Affairs Canada, Bank of Canada, Office of the Provincial Security Advisor (Ontario)
 - d. Winter 2017 Partners: FINTRAC, Policy Horizons Canada, Public Safety
4. *Terrorism and International Security*, NPSIA, Carleton University, Canada (Graduate Level), 2016-2019.
5. *Intelligence in International Affairs*, NPSIA, Carleton University, Canada (Graduate Level), 2015-2018.
6. *Blockchain Technologies in the Financial Sector*, SPPA/NPSIA Directed Study, Carleton University (Graduate Level), Fall 2016.
7. *Nuclear Deterrence in the 21st Century*, NPSIA Directed Study, Carleton University (Graduate Level), Winter 2019.
 1. *Violent Radicalization*, NPSIA Directed Study, Carleton University (Graduate Level), Fall 2018.
 2. *Global Security*, Munk School of Global Affairs (Master of Global Affairs program), University of Toronto, Canada (Graduate Level, 80 students) Winter 2014 and Winter 2015.
 3. *Issues in Contemporary Terrorism and Radicalization*, University of Zurich, Switzerland, (Undergraduate Level, 40 students) Fall 2011.

Academic Supervision

Undergrad Supervision and Advising

1. Hannah Delany, Bachelor of Global and International Studies (BGInS) program, Carleton, Global Politics Internship Program, Supervisor, 2018.
2. Hannah Delany, Bachelor of Global and International Studies (BGInS), Carleton, Honors Research Essay, Supervisor, 2019.

Master's Thesis Supervision and Advising

1. Albert Johnson, "Contemporary Nuclear Deterrence," NPSIA Major Research Essay, Supervisor, 2020/2021.

2. Kristina Gerke, "Cybersecurity and Statecraft," NPSIA Major Research Essay, Advisor, 2019/2020.
3. Sharon Schuppe, "IoT and Cybersecurity," IPIS Major Research Paper, Supervisor, 2019/2020.
4. Denis Suljic, "Radicalization to Violence: Understanding the Processes," NPSIA Major Research Essay, Supervisor, 2018/2019.
5. Nabil Bhatia, "Foreign Fighters and National Security," NPSIA Major Research Essay, Supervisor, 2018/2019.
6. Alfonso Marin-Aponte, "Explaining Al Qaeda in Civil Wars," NPSIA Major Research Essay, Advisor, June 2019.
7. William Meloche, "DND's Role in the Protection of Canada's Critical Infrastructure Sectors," IPIS Major Research Essay, Supervisor, April 2019.
8. Emily Sandham, "The Legality and Lethality of Incapacitating Chemical Agents," NPSIA Major Research Essay, Advisor, May 2019.
9. Jeremy Kirshenbaum, Deterrence by Denial in Counterterrorism, NPSIA Major Research Essay, Supervisor, June 2018.
10. Sarah McIntosh, "The Future of Cyber Threats Confronting Canada's Critical National Energy Infrastructure", NPSIA Major Research Essay, Supervisor, August 2017.
11. Dylan Gagnon, "Can Strategic Culture be Applied to Cybersecurity? The American Example", NPSIA Major Research Essay, Advisor, January 2017.

Master's Major Research Paper & Thesis Review

1. Jessica Fahey, "Feasibility of Using Tabletop Exercise," IPIS Major Research Essay, Second Reader, May 2019.
2. Douglas Fergusson, "Hypersonic Glide Vehicles," Dept. of Political Science (Carleton), MA Thesis, External Reviewer, April 2019.
3. Avram Englert, "Third Party Intervention and the Syrian Civil War," NPSIA Major Research Essay, External Reviewer, January 2019.
4. Matthew Osika, "Factors Limiting the Islamic State's Territorial Expansion: A Case Study of Lebanon and Jordan," NPSIA Major Research Essay, External Reviewer, January 2017.
5. Aram Lotfi, "How Intelligence Analysts are Closet Constructivist", NPSIA Major Research Essay, External Reviewer, March 2016.
6. Christian Medina, "Legitimacy, the Drug Trade, and Insurgency: A Case Study on the Columbian Civil War," External Reviewer, April 2016.

PhD Dissertation Supervision and Advising

1. Casey Babb, NPSIA, Carleton, PhD student, (Expected completion 2022/2023), Supervisor.
2. Brandon Rigato, School of Journalism and Communication, Carleton, PhD Candidate, (Expected completion 2021/22), Advisor.
3. Mark Haichin, NPSIA, Carleton, PhD Candidate, (Defended 2021), Advisor.
4. Michael Shkolnik, NPSIA, Carleton, PhD Candidate, (Defended 2020), Supervisor.

PhD Review

1. Said Ibrahim, Homegrown Terrorism, Department of Political Science, Carleton, PhD Dissertation, Internal Reviewer.

Academic Responsibilities (Committee Work)

University Associations

2020-	NPSIA Curriculum Committee
2015-2020	Faculty of Public Affairs Computer Committee (FPACC), Carleton University
2017-2018	NPSIA's CSIDS Director Hiring Committee
2015-2018	NPSIA Faculty Hiring Committee
2017-2018	NPSIA Promotion and Tenure Committee
2005-2007	Founding Chair, Dalhousie Graduate Society of Political Science (DGSPS), registered Dalhousie University society, Halifax, Canada.
2005-2007	Graduate Student Selection Committee (Student Representative), Department of Political Science, Dalhousie University, Canada)
2005-2007	Graduate Student Representative, Department of Political Science, Dalhousie University, Canada.
2005-2007	Graduate Student Representative, Centre for Foreign Policy Studies, Canada.
2005-2007	Graduate Student Liaison, Hiring Committee, Department of Political Science, Dalhousie University, Canada.

Media Interviews (Radio/TV/Print)

1. *Ottawa Today* with Mark Sutcliffe, "DFI and Democracy," 1310News Radio, September 2, 2019.
2. *The Roy Green Show*, "Disinformation and Elections", Corus Radio Network (Syndicated in Canada), September 1, 2019.
3. Rob Breakenridge, "AI, Bots, and Democracy," 770 Calgary, CHQR, August 29, 2019.
4. Alex Boutilier, "Canadians are being Targeted by Foreign Influence Campaigns, CSIS says," *Toronto Star*, July 2, 2019.
5. Danielle Smith Show, Global News Radio, 770 CHQR, May 3, 2019
6. Levon Sevunts, "Canadian Jihadists are Distinct from other Islamist Radicals, Study Finds," Radio Canada International (print), April 10, 2019
7. Geoff Currier, Global News Radio, 680 CJOB, April 11, 2019
8. Libby Znaimer, Zoomer Week in Review, Zoomer Radio (AM740, Toronto), April 11, 2019
9. John Gormley Live, News Talk 650 CKOM, April 11, 2019
10. Anthony Furey, Canada Talks, National Post Radio, SiriusXM, April 15, 2019
11. Peter Goffin, *Toronto Star*, Toronto Alerts, July 13, 2018.
12. Katie Dangerfield, Global News, Family Terrorism in Indonesia, May 14, 2018.
13. Gemma Karstens-Smith, "Toronto Van Attack Latest Incident of Vehicle used as Weapon," CBC News, April 24, 2018.
14. Rick Gibbons, 1310 News, Ottawa, Toronto Ramming Attack, April 24, 2018.
15. News & Views with Rob Snow, News Talk Radio 580, CFRA, Ottawa, Toronto Attack, April 24, 2018.
16. Emily Haws, "Untapped Horizons: Inside the Government's forward-thinking unite that helps Canada think (way) ahead," *The Hill Times*, April, 4, 2018.
17. Michael Friscolanti, Prison Radicalization, *Mclean's*, November 17, 2017.
18. Johnnie Bachusky, Cyber Security, *Municipal Monitor*, November 2, 2017
19. Patrick Cain, The National online, North Korea's Bluster, August 9, 2017.
20. Ottawa Now with Evan Solomon, CFRA, Ottawa, August, 9, 2017, North Korea's Nuclear Program, 200-240.

21. News & Views with Rob Snow, News Talk Radio 580, CFRA, Ottawa, London Attack, 11:40.
22. CTV News with Marcia MacMillan, Manchester Investigation, May 25, 2017, 1045-1050.
23. Moore in the Morning, CFRA Newstalk 1010, Ottawa, May 25, Processes of Radicalization.
24. News & Views with Rob Snow, News Talk Radio 580, CFRA, Ottawa, Terrorism, 10:33.
25. Canada Talks, National Post Radio with Anthony Furey, SiriusXM Canada, May 24, 2017, Terrorism Threats to Canada, 9:15.
26. Moore in the Morning, CFRA Newstalk 1010, Ottawa, May 24, Manchester Attack, 8:23.
27. The Morning Show, Global News, Toronto, May 24, 2017, Manchester Bombing, 7:10-7:13.
28. CBC News: Ottawa, May 23, 2017, [Terror in Manchester](#), 32:00-37:00.
29. Ottawa Now with Evan Solomon, CFRA, Ottawa, May, 23, 2017, [Manchester bombing](#), 20-240.
30. The Scott Thompson Show, CHML/CKDS, Hamilton, May 3, 2017, Ontario's Youth De-radicalization plan, 105-125
31. The Scott Thompson Show, CHML/CKDS, Hamilton, March 20, 2017, North Korea-US Relations, 105-125
32. Jerry Agar Show, CFRB Newstalk 1010, Toronto, February 16, 2017, Global Terrorism Trends
33. *Sunday Night Live with Rabbi Bulka*, 580 CFRA Ottawa CHUM Radio, Ottawa, Canada (February 19, 2017), (45 Minutes).
34. The Tim Denis Morning Show, CKTB Radio, Niagara, February 16, 2017, ISIS.
35. Danielle Smith, News Talk 770 Radio Calgary, February 14, 2017, What Happens when ISIS collapses?
36. The Scott Thompson Show, CHML/CKDS, Hamilton, May 20, 2016 Egypt Air Crash, 110-125.
37. Ottawa Now with Evan Solomon, CFRA, Ottawa, April 27, 2016, Hostages, 220-240.
38. Ottawa Now with Evan Solomon, CFRA, Ottawa, Abu Sayyaf and the Canadian Hostages, April 25, 2016, 230-250
39. 1310 Newstalk, Rogers Radio Ottawa, Ottawa Today with Mark Sutcliffe, Terrorism Ransom, April 27, 2016.
40. 570 News, Eric Drozd Rogers Kitchener Radio Group, April 27.
41. McLean's: Interview with Evan Solomon, April 27, 2016 <http://www.macleans.ca/videos/how-should-trudeau-deal-with-terrorists-who-hold-canadian-hostages/>
42. NATO Association of Canada, Online Interview, April 25, 2016.
43. *Sunday Night Live with Rabbi Bulka*, 580 CFRA Ottawa CHUM Radio, Ottawa, Canada (April 3, 2016), (45 Minutes).
44. Ottawa Now with Evan Solomon, CFRA, Ottawa, Terrorism in Europe, March 22, 2016, 200-220.
45. Canada Talks 167 XFM/Sirius, Ward Anderson and Allison Door, Belgium Terrorism, March 22, 2016, 230-250
46. Arlene Bynon, SiriusXM, November 11, 2015.
47. CKCU, 93.1 (Carleton University), November 18, 2015, 1200.
48. CTV News Channel, November 22, 2015
49. Dan Riendeau, *At Night*, CHQR - News Talk 770, Nov 20, 2015.
50. *Sunday Night Live with Rabbi Bulka*, 580 CFRA Ottawa CHUM Radio, Ottawa, Canada (June 16, 2013), (45 Minutes).

51. *The Jim Harrison Show*, “Canadian Radicals”, CHNL Radio, Kamloops, Canada, January 29, 2013), (15 Minutes).
52. Stephen Puddicombe, “Countering terrorism in Halifax Harbour”, *CBC News*, Halifax, Canada, (April 17, 2012), (10 Minutes).
53. *Dave Dickson Straight Talk*, “New Terrorism Threats to Canada”, CFX 1070, Victoria, Canada, (December 1, 2011), (30 Minutes).
54. *The Daily Brief* with David Akin, “The Arab Spring and Terrorism Today”, *SUN News*, Ottawa, Canada, (November 29, 2011).
55. *The Arlene Bynon Show (Bynon’s Toronto Weekend)*, “Canadian Grown Terrorism”, AM640 Toronto, Canada, (April 3, 2011).
56. *Dave Dickson Straight Talk*, “Prison Radicalization in Canada”, CFX 1070, Victoria, Canada, (February 22, 2011).
57. *The Roy Green Show*, “Prison Radicalization in Canada”, Corus Radio Network (Syndicated in Canada), (October 23, 2010).
58. *Dialled In with Matt Gurney*, “We’re not ready to stop Islamic extremists even after we catch them”, *National Post* (Full Comment Blog), (October 21, 2010).
59. *Madely in the Morning with Steve Madely*, “Prison Radicalization in Canada”, 580 CFRA CHUM Radio, Ottawa, Canada (October 18, 2010).
60. *The Bill Carr Show*, “Patrons of Terror” NEWS 95.7 FM, Halifax, Canada, (August 19, 2006).

Updated MAY 2021