

Nadiya Kostyuk

CONTACT INFORMATION	Gerald R. Ford School of Public Policy Department of Political Science University of Michigan, Ann Arbor 505 S State Street Ann Arbor, MI 48109	<i>email:</i> nadiya@umich.edu <i>www:</i> http://www-personal.umich.edu/~nadiya <i>Google Scholar:</i> Nadiya Kostyuk
RESEARCH INTERESTS	<i>Substantive:</i> Security studies, modern warfare, cyber conflict, cyber institutions and capability, Russian and Eurasian politics <i>Methodological:</i> Network analysis, game theory, text analysis, experiments	
EDUCATION	Ph.D., University of Michigan , Ann Arbor, MI (Political Science & Public Policy) 2020 (expected) Pre-doctoral Fellowship, Tufts University Fletcher School and Department of Computer Science, Boston, MA Jan. 2019-May 2020 Pre-doctoral Fellowship, Harvard University Belfer Center for Science and International Affairs, Cambridge, MA 2017-2018 M.A., University of Michigan , Ann Arbor, MI (Political Science) 2016 M.S., New York University , New York, NY (Global Affairs) 2013 B.A., CUNY John Jay College of Criminal Justice , New York, NY 2011 (International Criminal Justice) B.A., Kyiv National Linguistic University , Kyiv, Ukraine 2007 (English & Psychology)	
DISSERTATION	<i>Causes and Effects of Cyber Institutions: Intricate interdependencies of domestic and international politics</i> <ul style="list-style-type: none">• Committee: James D. Morrow (Co-Chair), Yuri M. Zhukov (Co-Chair), John Ciorciari, Tamar Mitts, and Susan Landau (an outside member)	
PEER-REVIEWED PUBLICATIONS	<ol style="list-style-type: none">8 Zhukov, Yuri M., Christian Davenport, and Nadiya Kostyuk. “xSub: Cross-National Data on Sub-National Violence.” <i>Journal of Peace Research</i> 56.4 (2019): 604-614.7 Kostyuk, Nadiya, and Yuri M. Zhukov. “Invisible Digital Front: Can Cyber Attacks Shape Battlefield Events?.” <i>Journal of Conflict Resolution</i> 63. 2 (2019): 317-347.<ul style="list-style-type: none">• Press: Washington Post / Monkey Cage• Press: Belfer Center for Science and International Affairs / Harvard Kennedy School6 Liang, Fan, Vishnupriya Das, Nadiya Kostyuk, and Muzammil M. Hussain. “Constructing a Harmonious Data-Driven Society: China’s Social Credit System as a State Surveillance Infrastructure.” <i>Policy & Internet</i> 10. 4 (2018): 415-453.5 Kostyuk, Nadiya, Scott Powell, and Matthew Skach. “Determinants of the Cyber Escalation Ladder.” <i>Cyber Defense Review</i> 3.1 (2018): 122-130.4 Kostyuk, Nadiya. “International and Domestic Challenges to Comprehensive National Cybersecurity: A case study of the Czech Republic.” <i>Journal of Strategic Security</i> 7.1 (2014): 68-82.3 Kostyuk, Nadiya. “The Digital Prisoner’s Dilemma: Transnational Dimensions of Cybersecurity and Opportunities for Cooperation.” <i>Institute of Electrical and Electronics Engineers (IEEE)</i> (2015).<ul style="list-style-type: none">• Reprinted in <i>Silicon Valley Summit, World Cyberspace Cooperation Summit IV, EastWest Institute</i>, 2013.2 Kostyuk, Nadiya. “The Digital Front: Preemptive Approaches to Cyberwarfare.” <i>Partnership for Research in International Affairs and Development</i> 2 (2013).1 Ali, Marielle, and Nadiya Kostyuk. “The Cyber Dogs of War: Joint transatlantic efforts of future leaders in the prevention of cyberwarfare.” <i>The Society of Digital Information and Wireless Communications (SDIWC), Digital Library</i> (2013).	

- UNDER REVIEW
- 4 **Kostyuk, Nadiya**, and Carly Wayne. “Communicating Cyber-security: Citizen Risk Perception of Cyber-threats.” *Revise & Resubmit, Journal of Global Security Studies*
 - 3 **Kostyuk, Nadiya**, Vishnupriya Das, Fan Liang, Wei Chen, and Muzammil M. Hussain. “High-Tech Governance through Big Data Surveillance: Tracing the Global Deployment of Mass Surveillance Infrastructures, 1995 to Present.” *Revise & Resubmit, Surveillance & Society*
 - Press: University of Michigan/ Center for Political Studies
 - 2 **Kostyuk, Nadiya**, and Erik A. Gartzke. “Fighting in Cyberspace: Complementarity versus substitutability in cyber operations.” *Under Review*.
 - 1 **Kostyuk, Nadiya**. “Deterrence in the Cyber Realm: Public versus private cyber capability” *Under Review*.
- WORKING PAPERS
- 4 **Kostyuk, Nadiya**, Tarek Masoud, and Yuree Noh. “Citizen Support for Government Surveillance: Evidence from a Survey Experiment in Kuwait.”
 - 3 Vishnupriya Das, Wei Chen, **Nadiya Kostyuk**, Fan Liang, Nicholas Moore, and Muzammil M. Hussain. “Tracing the Development of India’s Big Data Governance Infrastructure.”
 - 2 **Kostyuk, Nadiya**, James D. Morrow, and Todd C. Lehmann. “Division of Power and Accountability: Measuring Audience Costs in International Disputes.”
 - 1 Poznansky, Michael, Evan Peskoski, and **Nadiya Kostyuk**. “The Sources of Cyber Doctrine.”
- BOOK CHAPTERS
- 1 **Kostyuk, Nadiya**. “Ukraine’s Cyber Security Policy,” In: *Cyber War in Perspective: Analysis from the Crisis in Ukraine*, K Geers ed., NATO CCD COE (2015).
 - Press: Council on Foreign Relations / Net Politics
- POLICY WHITE PAPERS
- 2 “Issue II: Russia-U.S. Bilateral on Cybersecurity: Critical Terminology Foundations,” *EastWest Institute & the Information Security Institute of Moscow State University* (2014), *Contributing author*.
 - 1 Cappon, Eric, Greg Austin, **Nadiya Kostyuk**, and Bruce McConnell. “A Measure of Restraint in Cyberspace: Reducing Risk to Civilian Nuclear Assets,” prepared for the Munich Security Conference, *EastWest Institute* (2014).
- GENERAL AUDIENCE PUBLICATIONS
- 12 Geers, Kenneth, and **Nadiya Kostyuk**. “Hackers are using malware to do reconnaissance in U.S. swing states. Expect cyberattacks.” *The Washington Post: Monkey Cage*, 5 November 2018.
 - 11 **Kostyuk, Nadiya**. “How Ukraine’s Government Has Struggled to Adapt to Russia’s Digital Onslaught,” *Council on Foreign Relations: Net Politics*, 27 August 2018.
 - Press: UNIAN / Information Agency
 - 11 Russell, Stuart, and **Nadiya Kostyuk**. “Evaluating the U.K.’s ‘Active Cyber Defence’ Program.” *Lawfare*, 14 February 2018.
 - 10 **Kostyuk, Nadiya**, and Yuri M. Zhukov. “Would cyberattacks be likely in a U.S.-North Korea conflict? Here’s what we know.” *The Washington Post: Monkey Cage*, 11 November 2017.
 - 9 **Kostyuk, Nadiya**. “Hacking Power Grids: New Tactic of War or Wave of the Future?” *Russia Matters*, Belfer Center for Science and International Affairs, Harvard Kennedy School, 3 November 2017.
 - 8 **Kostyuk, Nadiya**, and Muzammil Hussain. “The Spread of Mass Surveillance, 1995 to Present,” *The Center for Political Science, Institute for Social Research, University of Michigan, Ann Arbor*, 2 September 2017.
 - 7 Gilliard, Alexandra, “Cyber Risk and Cyber Policies: Interview with **Nadiya Kostyuk**,” *International Affairs Forum: Populism in the Digital Age* 2.1 (2017): 113-116.

- 6 **Kostyuk, Nadiya.** “A Ukrainian *Game of Thrones*: A Close Look at the Ukrainian Presidential Candidates,” *EastWest Institute: Next Generation*, 1 July 2014.
- 5 **Kostyuk, Nadiya.** “Chernobyl: Political Half-life of an Ongoing Nuclear Crisis,” *EastWest Institute: Next Generation*, 2 May 2014.
- 4 **Kostyuk, Nadiya.** “*Yednist (Unity)* - Prospects for a United Ukraine amidst Russian Aggression and Western Indecision,” *EastWest Institute: Next Generation*, 14 March 2014.
- 3 **Kostyuk, Nadiya.** “Ukraine: Can it live up to its promise?,” *EastWest Institute: Next Generation*, 27 February 2014.
- 2 **Kostyuk, Nadiya.** “*Unexpected Gift*: Russia’s Intervention in the Global War on Terror Framework,” *Perspectives on Global Issues. Global Citizens Engaging Global Issues*, 7.1. (2012).
- 1 **Kostyuk, Nadiya.** “Ukraine: Back in the USSR?” *Perspectives on Global Issues. Global Citizens Engaging in Global Issues*, 6.1. (2011): 90-91.

SOFTWARE Zhukov, Yuri M., Christian Davenport, and **Nadiya Kostyuk** (2019). xSub: Cross-National Data on Sub-National Violence. R package version 2.0.2. <https://CRAN.R-project.org/package=xSub> (github page).

OTHER The United National High Commissioner for Refugees (UNHCR) in Jordan February-May 2019
 EMPLOYMENT *Consultant & Research Analyst*
 Dexis Consulting Group March-April 2019
 Consultant, grant proposal for the United States Agency for International
 Development (USAID) focused on building cyber capability in Ukraine
 EastWest Institute, Global Cooperation in Cyberspace Initiative 2014-present
 Fellow
 EastWest Institute, Global Cooperation in Cyberspace Initiative 2013-2014
 Program Coordinator

HONORS &
AWARDS

External (\$95,000)

- Associate, Davis Center for Russian and Eurasian Studies, Harvard University 2018-2021
- Pre-doctoral Fellowship, Fletcher School of Law and Diplomacy and the Department of Computer Science, Tufts University (\$48,000, 18 months) Jan. 2019-May 2020
- Pre-doctoral Fellowship, Cybersecurity and Digital Technology Policy Program, Belfer Center for Science and International Affairs, Kennedy School, Harvard University (Non-Resident Fellow) 2018-2019
- Pre-doctoral Fellowship, Cybersecurity and Digital Technology Policy Program, Belfer Center for Science and International Affairs, Kennedy School, Harvard University (\$37,500 & health insurance) 2017-2018
- Research Fellowship; Cybersecurity, Internet Governance, Digital Economy, Civic Tech Initiative; School of International and Public Affairs, Columbia University (\$10,000) 2017-2018
- Empirical Implications of Theoretical Models, National Science Foundation (lodging, meals, travel) 2016
- Diplomacy and Diversity Fellowship, Humanity in Action program (lodging, meals, travel) 2015

Internal (\$134,050)

- *University of Michigan, Ann Arbor*
 - Rackham Merit Fellowship (\$69,900+tuition+health care) 2014-2019
 - Telluride House Scholarship (5-year room and board) 2015-2019
 - Graduate Student Research Assistant (\$9,500) 2015, 2017
 - International Policy Center Research Scholar Award (\$7,500) 2018
 - Kenneth Organski Scholars Award (\$6,000) 2018
 - China Field Trip Travel Grant (lodging, travel, meals) 2016
 - ISR-Rackham Summer Training Award (tuition for ICPSR classes) 2015, 2016
 - Rackham Graduate Student Research (Candidacy) Grant (\$3,000) 2017

- Rackham Graduate Student Research (Pre-candidacy) Grant (\$1,500) 2016
- Summer Research and Internship Grant (\$1,500) 2015
- Graduate Student Associate, Center for Russian, East European, & Eurasian Studies 2017-present
- Rackham Travel Grant 2017, 2018
- Conference Travel Grant 2017
- Department Dissertation Grant 2019
- Conference Travel Grant, Center for Russian, East European, and Eurasian Studies 2019
- Conference Travel Grant, Ford School 2019
- Conference Travel Grant, International Institute 2017
- *New York University*
 - Gallatin Fellowship in Human Rights (\$5,000) 2011-2012
 - Funded Internship Award (\$1,500) 2011
 - Master of Science in Global Affairs Research Fund 2013
 - Master of Science in Global Affairs Concentration Research Fund 2012
- *City University of New York, John Jay College*
 - TRIO Ronald E. McNair Program (\$3,000) 2009-2011
 - Undergraduate Research Scholarship (\$2,000) 2011
 - Upper Division Scholarship (\$2,000) 2009
 - International Student Scholarship (\$2,000) 2009
 - Thurgood Marshall Scholarship (\$1,500) 2009
 - Vera Fellowship Stipend (\$1,000) 2010-2011
 - Leonard E. Reisman Award 2011
 - Phi Eta Sigma Honors Society (American Freshman Honor Society) 2010-present

COURSES TAUGHT **College Algebra and Introduction to Probability** Fall 2012
 MATH 2014, Mathematics Department, CUNY John Jay College

The English Language Spring 2007
 Vasyl Sukhomlynskiy High School, Kyiv, Ukraine

OTHER TEACHING EXPERIENCE **Directed Research Course** Fall 2015-present
 POLSCI 383, Department of Political Science, University of Michigan
 Research Mentor. Course head: Prof. Chris Fariss, Prof. Yuki Shiraito,
 and Prof. Yuri M. Zhukov

Cybersecurity: Managing Risk in Information Age Winter 2018
 HarvardX Cybersecurity Course,
 Office of the Provost for Advances in Learning, Harvard University
 Learning Facilitator. Course head: Prof. Eric Rosenbach

Undergraduate Research Opportunity Program (UROP) Fall 2016-Winter 2017
 Department of Political Science, University of Michigan
 Research Mentor

Introduction to World Politics Fall 2015-Fall 2016
 POLSCI 160, Department of Political Science, University of Michigan
 Head Graduate Teaching Instructor. Course head: Prof. James D. Morrow

College Algebra and Introduction to Probability Spring 2011, 2012
 MATH 2014, Mathematics Department, CUNY John Jay College
 Teacher's Assistant. Course head: Prof. Rita Shamoilova

Global Civil Society Spring 2013
 GLOB1-GC1050, Global Affairs, New York University
 Teacher's Assistant. Course head: Prof. Colette Mazzucelli

- SELECTED INVITED TALKS & GUEST LECTURES
- Fall 2019: University of Haifa (11/2019)
 - Spring 2019: Stanford University (1/2019), Tufts University (1/2019, 4/2019), Thirteenth International Forum in Garmisch-Partenkirchen (4/2019)
 - Fall 2018: International Conference on Cyber Conflict U.S. (11/2018), Harvard University (11/2018, 12/2018), Marine Corps University (12/2018), American University (12/2018)
 - Spring 2018: Harvard University (4/2018)
 - Fall 2017: CUNY John Jay College (10/2017), Columbia University (11/2017)
 - Spring 2017: University of Michigan, Ann Arbor (4/2017), University of California, San Diego (5/2017),

- ETH Zurich (6/2017),
- Fall 2016: University of Michigan (7/2016), Columbia University (10/2016)
- Spring 2016: Tsinghua University (5/2016), Duke University (6/2016)

- SELECTED
CONFERENCE
PRESENTATIONS
- Academic Council on the United Nations System, 2013
 - American Political Science Association, 2016, 2017, 2018, 2019
 - Association for the Study of Nationalities, 2016, 2018
 - European Political Science Association, 2017
 - Harvard–MIT–Tufts–Yale Conference on Political Violence, 2018
 - International Communication Association Conference, 2017
 - International Conference on Cyber Security, Cyber Peacefare & Digital Forensics, 2013
 - International Studies Association, 2017, 2018, 2019
 - Midwest Political Science Conference, 2014, 2016, 2018
 - Peace Science Society International, 2015, 2017, 2018
 - Pacific International Politics Conference, 2017
 - Southern Political Science Association, 2011, 2018
 - Worldwide Cybersecurity Cooperation Summit, 2013, 2014, 2015, 2016, 2017

- SERVICE
- Service**
- Founder, Women in Cyber Security Group 2017-present
 - Member, Research Advisory Group, Global Commission on the Stability of Cyberspace 2017-present
 - Graduate Student Admissions Committee, Ford School, University of Michigan 2017
 - Co-coordinator, ATOM project with Delonis Shelter, Ann Arbor, MI 2016-2017
 - Volunteer Tutor, Peace Neighborhood Center, Ann Arbor, MI 2015-2016
 - Co-Chair, Women’s Caucus, Political Science Department, University of Michigan 2015-2016
 - Student Admissions Committee, Telluride Association Program, University of Michigan 2015, 2016

Peer Reviewer

- *International Security, Journal of Peace Research, International Studies Quarterly, Conflict Management and Peace Science, Journal of Global Security Studies, European Journal of International Security, Journal of Strategic Security, Journal of Cybersecurity, and International Affairs*

Panel & workshop organization

- “Digital Issues Discussion Group,” with Christopher Whyte 2017-present
 - monthly interactive online workshop series on issues related to the global integration of information technologies
- Paper Panel on “Diffusion of Military Innovation: Causes and Consequences,” American Political Science Association 2019
- Pre-conference workshop, Peace Science Society Conference 2018 2018
 - “New research on cyber warfare: insights into the changing nature of peace and war processes”
- Pre-conference workshop, Peace Science Society Conference 2017 [w/ Anita Gohdes] 2017
 - “War and the Internet: new research on cyber and communications technology”
- Global Cyberspace Cooperation Summit VII; University of California, Berkeley [*Rapporteur*] 2017
 - “Security as an IoT Market Differentiator: The Role of Venture Capitalists in Incentivizing Better Security across the IoT Ecosystem”
 - “Resilient Cities and the Internet of Things: Cyber Resilience and the Modern City”
 - “Safer Cities: Creating the Cyber/Privacy Interlock”
 - “Improving Security through Partnership across the IoT Ecosystem”
- Global Cyberspace Cooperation Summit V, Berlin, Germany [*Chief Editor*] 2014
 - “Modernizing international procedures against cyber-enabled crimes”
 - “Governing and managing the Internet”
- The Worldwide Cybersecurity Cooperation Summit IV, Silicon Valley, CA [*Chief Editor*] 2013
 - “Enhancing International Cooperation for Law Enforcement for Cyber Crime”

- PROFESSIONAL ASSOCIATIONS
- American Political Science Association, International Studies Association, Peace Science Society International, Association for the Study of Nationalities

- RESEARCH EXPERIENCE
- Data Analyst, The Office of the United Nations High Commissioner for Refugees in Jordan
 - Chief Data Scientist, *Cross-National Data on Subnational Violence (xSub)*, Center for Political Studies, University of Michigan
 - Research Assistant for Christopher J. Fariss, Yuri M. Zhukov, Christian Davenport, Robert Axelrod, William Zimmerman
- ADDITIONAL TRAINING
- ICPSR Summer Program in Quantitative Methods of Social Research
Advanced Game Theory, Regression I, University of Michigan 2014-2016
 - Prague Security Studies Institute (PSSI) w/ NATO's Public Diplomacy Division
9th Annual PSSI NATO Summer School, Merin, Czech Republic 2013
 - The International Conference on Cyber Security and Digital Forensics
CyberSec-School 2013 Summer School, Kuala Lumpur, Malaysia 2013
 - Soliya Connect Program, Certificate of Completion, New York 2013
 - John Jay College Cybersecurity Training
Segment Training Cyber-Crime, New York 2012
- SKILLS
- Computer Skills:
- *R, Python, Stata*
- Languages:
- Ukrainian (native), Russian (native), German (Intermediate Level Certificate, Goethe-Institute in Kyiv, Ukraine)
- Field Work:
- Belgium (June 2018), Bosnia & Herzegovina (June-July 2012), China (May 2016), Czech Republic (March, June 2013), Estonia (June 2013, May-June 2018), Germany (June 2018), Greece (June 2018), The Netherlands (June 2012, June 2018), Serbia (June 2012), Switzerland (June 2012), Russia (March 2013), Ukraine (July-August 2012, July-August 2015, June-July 2018)