

Nadiya Kostyuk

CONTACT INFORMATION	Gerald R. Ford School of Public Policy Department of Political Science The University of Michigan, Ann Arbor 505 S State Street Ann Arbor, MI 48109	347-320-8595 nadiya@umich.edu
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 2019-2020 Fletcher School and Department of Computer Science, Boston, MA Pre-doctoral Fellowship, Harvard University 2017-2019 Belfer Center for Science and International Affairs, Cambridge, MA 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>Can states make cyber deterrence work?</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 “xSub: Cross-National Data on Sub-National Violence” [with Yuri M. Zhukov & Christian Davenport], <i>Journal of Peace Research (Conditionally Accepted)</i>7 “Invisible Digital Front: Can low-level cyber operations shape battlefield events?,” [with Yuri M. Zhukov] <i>Journal of Conflict Resolution</i> 63(2): 317-347<ul style="list-style-type: none">• Press: Washington Post / Monkey Cage• Press: Belfer Center for Science and International Affairs / Harvard Kennedy School6 “Constructing a Harmonious Data-Driven Society: China’s Social Credit System as a State Surveillance Infrastructure” [with Fan Liang, Vishnupriya Das & Muzammil M. Hussain], <i>Policy & Internet, August 2018</i>5 “Determinants of the Cyber Escalation Ladder,” [with Scott Powell and Matthew Skach] <i>Cyber Defense Review</i>, Spring 2018: 122-1304 “International and Domestic Challenges to Comprehensive National Cybersecurity: A case study of the Czech Republic,” <i>Journal of Strategic Security</i>, no. 1: 68-82, 2013.3 “The Digital Prisoner’s Dilemma: Transnational Dimensions of Cybersecurity and Opportunities for Cooperation,” <i>Institute of Electrical and Electronics Engineers (IEEE)</i>, 2013.<ul style="list-style-type: none">• Reprinted in <i>Silicon Valley Summit, World Cyberspace Cooperation Summit IV, EastWest Institute</i>, 2013.2 “The Digital Front: Preemptive Approaches to Cyberwarfare,” <i>Partnership for Research in International Affairs and Development</i>, Volume 2, 2013.1 “The Cyber Dogs of War: Joint transatlantic efforts of future leaders in the prevention of cyberwarfare,” [with Marielle Ali] <i>The Society of the Digital Information and Wireless Communications (SDIWC), Digital Library</i>, 2013.	

- UNDER REVIEW
- 2 “Communicating Cyber-security: Citizen Risk Perception of Cyber-threats” [with Carly Wayne] (revise & resubmit)
 - 1 “Big Data Innovation Transfer and Governance in Emerging High Technology State Powers” [with Vishnupriya Das, Fan Liang, Wei Chen & Muzammil M. Hussain] (revise & resubmit)
 - Press: University of Michigan/ Center for Political Studies
- WORKING PAPERS
- 3 “Tracing the Development of India’s Big Data Governance Infrastructure” [with Vishnupriya Das, Fan Liang, Wei Chen, Nicholas Moore & Muzammil M. Hussain]
 - 2 “Division of Power and Accountability: Measuring Audience Costs in International Disputes” [with James D. Morrow & Todd C. Lehmann]
 - 1 “Threats, Culture, and Institutions: Explaining Cybersecurity Strategy” [with Evan Peskoski & Michael Poznansky]
- BOOK CHAPTERS
- 1 “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 “A Measure of Restraint in Cyberspace: Reducing Risk to Civilian Nuclear Assets,” [with Bruce McConnell, Greg Austin, & Eric Cappon] Prepared for the Munich Security Conference, *EastWest Institute*, 2014.
- GENERAL AUDIENCE PUBLICATIONS
- 12 “Hackers are using malware to do reconnaissance in U.S. swing states. Expect cyberattacks.” [with Kenneth Geers], *The Washington Post: Monkey Cage*, 5 November 2018.
 - 11 “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 “Evaluating the U.K.’s ‘Active Cyber Defence’ Program.” [with Stuart Russell], *Lawfare*, 14 February 2018.
 - 10 “Would cyberattacks be likely in a U.S.-North Korea conflict? Here’s what we know.” [with Yuri M. Zhukov], *The Washington Post: Monkey Cage*, 11 November 2017.
 - 9 “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 “The Spread of Mass Surveillance, 1995 to Present,” [with Muzammil Hussain] *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*, Spring 2017, Volume 2, Issue 1, pp. 113-116.
 - 6 “A Ukrainian *Game of Thrones*: A Close Look at the Ukrainian Presidential Candidates,” *EastWest Institute: Next Generation*, 1 July 2014.
 - 5 “Chernobyl: Political Half-life of an Ongoing Nuclear Crisis,” *EastWest Institute: Next Generation*, 2 May 2014.
 - 4 “Yednist (Unity) - Prospects for a United Ukraine amidst Russian Aggression and Western Indecision,” *EastWest Institute: Next Generation*, 14 March 2014.
 - 3 “Ukraine: Can it Live up to its Promise?,” *EastWest Institute: Next Generation*, 27 February 2014.
 - 2 “*Unexpected Gift*: Russia’s Intervention in the Global War on Terror Framework,” *Perspectives on Global Issues. Global Citizens Engaging Global Issues*, 6.1. (Fall 2012-Spring 2013): 91, 2012.
 - 1 “Ukraine: Back in the USSR?” *Perspectives on Global Issues. Global Citizens Engaging in Global Issues*, 6.1. (Fall 2011-Spring 2012): 91, 2011.

SOFTWARE	Zhukov, Yuri M., Christian Davenport and Nadiya Kostyuk (2017). xSub: Cross-National Data on Sub-National Violence. R package version 0.0.1. https://CRAN.R-project.org/package=xSub (github page).	
OTHER EMPLOYMENT	EastWest Institute, Global Cooperation in Cyberspace Initiative <i>Fellow</i> , New York NY	2014 - present
	EastWest Institute, Global Cooperation in Cyberspace Initiative <i>Program Coordinator</i> , New York NY	2013-2014
HONORS & AWARDS	External (\$95,000)	
	<ul style="list-style-type: none"> • Cybersecurity Fellow, Cyber Conflict Studies Association since 2018 • 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) 2019-2020 • 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 (\$133,400)	
	<ul style="list-style-type: none"> • <i>University of Michigan, Ann Arbor</i> <ul style="list-style-type: none"> • Department Dissertation Grant (\$1,000) 2019 • International Policy Center Research Scholar Award (\$7,500) 2018 • Kenneth Organski Scholars Award (\$6,000) 2018 • Telluride House Scholarship (5-year room and board) 2015-2019 • Rackham Merit Fellowship (\$69,900+tuition+health care) 2014-2019 • Graduate Student Associate, Center for Russian, East European, & Eurasian Studies since 2017 • Conference Travel Grant, International Institute (\$300) 2017 • Rackham Graduate Student Research (Candidacy) Grant (\$3,000) 2017 • Conference Travel Grant (\$800, \$300) 2017 • Rackham Travel Grant (\$1,500, \$1,050, \$800, \$1,050) 2017, 2018 • Rackham Graduate Student Research (Pre-candidacy) Grant (\$1,500) 2016 • China Field Trip Travel Grant (lodging, travel, meals) 2016 • ISR-Rackham Summer Training Award (tuition for ICPSR classes) 2015, 2016 • Graduate Student Research Assistant (\$9,500) 2015, 2017 • Summer Research and Internship Grant (\$1,500) 2015 • <i>New York University</i> <ul style="list-style-type: none"> • Master of Science in Global Affairs Research Fund (\$200) 2013 • Master of Science in Global Affairs Concentration Research Fund (\$200) 2012 • Gallatin Fellowship in Human Rights (\$5,000) 2011-2012 • Funded Internship Award (\$1,500) 2011 • <i>City University of New York, John Jay College</i> <ul style="list-style-type: none"> • Undergraduate Research Scholarship (\$2,000) 2011 • Leonard E. Reisman Award 2011 • Vera Fellowship Stipend (\$1,000) 2010-2011 • TRIO Ronald E. McNair Program (\$3,000) 2009-2011 • Phi Eta Sigma Honors Society (American Freshman Honor Society) since 2010 	

- Thurgood Marshall Scholarship (\$1,500) 2009
- Upper Division Scholarship (\$2,000) 2009
- International Student Scholarship (\$2,000) 2009

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 **Research Assistantship** since Fall 2015
POLSCI 383, Department of Political Science, University of Michigan
Research Mentor. Course head: Prof. Chris Fariss and Prof. Yuki Shiraito

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

Research Assistantship Fall 2016-Winter 2017
Undergraduate Research Opportunity Program (UROP)
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

- Fall 2019: University of Haifa (11/2019)
- Spring 2019: Stanford University (1/2019), Tufts University (1/2019, 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 Zuerich (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
- 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**

- President, Women in Cyber Security Group since 2017
- Member, Research Advisory Group, Global Commission on the Stability of Cyberspace since 2017

- Graduate Student Admissions Committee, Ford School of Public Policy, 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 Summer Program, University of Michigan 2015, 2016

Peer Reviewer

- *European Journal of International Security, International Security, International Studies Quarterly, Journal of Peace Research, and Journal of Strategic Security*

Panel & workshop organization

- “Digital Issues Discussion Group” [w/ Christopher Whyte] since 2017
 - monthly interactive online workshop series on issues related to the global integration of information technologies
- 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 Qualitative 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 Programming:

- *R, LaTeX, SPSS, SQL, 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)