

Drew Herrick

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RESEARCH INTERESTS International security; cybersecurity; networks and norms; strategic studies; military innovation; international relations theory; science and technology; data visualization.

EDUCATION Ph.D. Political Science, **George Washington University**, 2017
Fields: International Relations, Qualitative and Quantitative Methods
Dissertation/Book Project: “Norms & Networks: How States Resist and Disrupt Global National Security Norms”
Faculty: Martha Finnemore (Chair)

M.A. Political Science, **George Washington University**, 2014

B.A. Political Science, Philosophy, International Studies, **The Ohio State University**, 2012

APPOINTMENTS AND AFFILIATIONS **RAND Corporation**
Adjunct Researcher **2015 – Present**
Summer Associate **Summer 2015; 2016**

New America, International Security Program
National Cybersecurity Fellow **2015 – Present**
Future of War Fellow **2014 – Present**

PUBLICATIONS **Peer-Reviewed Articles:**
1. “The Social Side of ‘Cyber Power?’ Social Media and Cyber Operations.” in *Cyber Conflict: Cyber Power (CyCon)*, 8th International Conference Proceedings (IEEE, May 2016).

Peer-Reviewed Reports:
1. “Building a Strategy for Cyber Support to Corps and Below.” (Santa Monica, CA: RAND Corporation, 2016). (with Isaac Porche, Chris Paul, Chad Serena, Colin Clarke, and Erin-Elizabeth Johnson)

Editor-Reviewed Publications:
1. “Understanding Military Cyber Operations.” in *Cyber Insecurity: Navigating the Perils of the Next Digital Information Age*, ed. Richard Harrison and Trey Herr (Rowman & Littlefield Publishers, Inc., Forthcoming 2016). (with Trey Herr)
2. “Military Cyber Operations: A Primer.” *American Foreign Policy Council - Defense Technology Program Brief*, No. 14 (January 2016): 1-11. (with Trey Herr)
3. *Terrorism since 9/11: The American Cases*. (Columbus, OH: The Mershon Center, 2011). (with John Mueller)

Original Datasets:

1. "Global Cyber Definitions Database"
 - Selected by the Organization for Security and Co-operation in Europe (OSCE) as an official repository for storing member state definitions.
2. "Global Cyber Incident Database"

WORK IN PROGRESS

Under Review:

1. "Fighting by OSMOSIS: Offensive Social Media Operations and Information Security." *Invited to Revise and Resubmit.*
2. "Combating Complexity: Offensive Cyber Capabilities and Integrated Warfighting." (with Trey Herr)

Selected Working Papers and Projects:

1. "Experimenting With Cross-Domain Deterrence: Measuring the Effect of Capability Substitution on Reputation."
2. "The Role of Norms in Internet Security Governance." (part of an edited volume)
3. "A History of State-to-State Cyber Conflict: Cyber Incidents from 1990 to 2015."
4. "Strategic Signaling in a Cyber Environment."
5. "Validating the Discipline: How and Why to Use Cross-Validation in Political Science."

RESEARCH GRANTS

New America Cybersecurity Initiative, "Research Facilitation Grant" (2014) [\$2,500]

- Investigator

Department of Defense Minerva Initiative, "METANORM - A multidisciplinary approach to the analysis and evaluation of norms and models of governance for cyberspace" (2013 – 2016)

- Research Assistant

National Science Foundation, "Deciphering Civil Conflict in the Middle East" (2009 – 2014) [\$499,000]

- Co-Investigator

SELECTED AWARDS, HONORS, AND FELLOWSHIPS

External:

- Institute for Qualitative and Multi-Method Research Travel Grant (2016)
- Conference on Cyber Norms Travel Grant (2016)
- American Political Science Association Travel Grant (2015)
- RAND Corporation Summer Associate (2015; 2016)
- Google Public Policy Fellowship (declined) (2015)
- National Cybersecurity Fellow (2015 – 2016)
- Future of War Fellow (2014 – 2015; Renewed 2016 – 2017)

George Washington University:

- Selective Excellence Graduate Fellowship (competitive) (2015 – 2016)
- Comprehensive Exam in Research Methods: Distinction (2015)
- Comprehensive Exam in International Relations: Distinction (2014)
- Spring Research Grant (competitive) (2014)
- Writing in the Disciplines Fellow (competitive) (2014)
- Teaching Fellowship (2012 – 2013)
- Travel Grant (2012 – 2017)
- Doctoral Fellowship (2012 – 2017)

The Ohio State University:

- John Glenn Institute for Public Service and Public Policy Fellow (2010)
- Pi Sigma Alpha, Political Science Honors Society (2009 – Present)
- Dean's List (2007 – 2012)
- Provost Fellowship (2007 – 2011)

Other:

- Ohio Debate State Champion and Top Speaker (2007)

PRESENTATIONS

Conference Paper Presentations:

- American Political Science Association: 2015, 2016
- International Studies Association: 2016
- Midwest Political Science Association: 2015, 2016
- NATO International Conference on Cyber Conflict: 2016

Invited Talks, Small Conference Presentations, and Workshop Participation:

- MIT-Harvard International Conference on Cyber Norms (2016)
- Cross Domain Deterrence Workshop, University of San Diego (2016)
- "The Social Side of 'Cyber Power.' Social Media and Cyber Operations," NATO International Conference on Cyber Conflict (2016)
- Cyberspace and Deterrence Academic and Inter-Agency Symposium, George Washington University (2015)
- "Military Cyber Operations – Challenging Opportunity," American Foreign Policy Council (2015)
- "Fighting by OSMOSIS: Offensive Social Media Operations and Information Security," RAND Corporation (2015)
- The Future of War Conference, New America (2015)
- New America Cybersecurity Initiative Conference, New America (2015)
- "The Global Cyber Definitions Project," New America (2015)
- Cyber and National Security Academic-Practitioner Workshop, George Washington University (2014)
- Cyber Security of South Korea and Cyber CBMs in the region, New America (2014)
- Writing in the Discipline, George Washington University (2014)
- "Structural Theory of Cyber Conflict and Peace," George Washington University (2013)

TEACHING
EXPERIENCE**Teaching Assistant:**

PSC 1003: Introduction to International Relations, Caitlin Talmadge (Spring 2016)

- Head Teaching Assistant (Current)

IAFF 6101: International Affairs Cornerstone (Masters Level), Charles Glaser and Henry Farrell (Fall 2015)

- Head Teaching Assistant (4.6/5.0)
- IAFF 1005: Introduction to International Relations, Susan Sell (Fall 2013)
- Head Teaching Assistant (Only professor evaluations)
- IAFF 1005: Introduction to International Relations, Henry Nau (Spring 2013)
- Teaching Assistant and Guest Lecturer (4.59/5.0)
- PSC 1003: Introduction to International Relations, Caitlin Talmadge (Fall 2012)
- Teaching Assistant (4.3/5.0)

RESEARCH
EXPERIENCE

Research Assistant:

Martha Finnemore (Summer 2014 – August 2015)
James Lebovic (2013 – 2014)

Book-Length Research Contributions:

1. Robert J. McMahon, editor. *The Cold War in the Third World*. (Oxford University Press, 2013).
2. Ted Hopf, *Reconstructing the Cold War*. (Oxford University Press, 2012).
3. John Mueller and Todd Stewart. *Terror, Security, and Money: Balancing the Risks, Benefits, and Costs of Homeland Security*. (Oxford University Press, 2011).

PROFESSIONAL
EXPERIENCE

RAND Corporation, Pittsburgh, PA / Santa Monica, CA

Adjunct Researcher

August 2015 – Present

Summer Associate

Summer 2015; Summer 2016

- Investigator on a United States Army project analyzing the future of mission command and intelligence operations
- Investigator on a United States Army project examining the use and effectiveness of cyber capabilities at the tactical level

New America's International Security Program, Washington, DC

National Cybersecurity Fellow

May 2015 – Present

Future of War Fellow

November 2014 – Present

- Project lead for the “Cyber Incident Database” that indexes and analyzes international cyber attacks from 1990 to present
- Project lead for designing, updating, and extending the “Global Cyber Definitions Database” that compiles existing cybersecurity and information security related definitions
- Contribute to reports, roundtable discussions, and conferences on the future trajectory of warfighting

Minerva Research Initiative Grant, Washington, DC

Research Assistant

May 2014 – August 2015

- Investigator on a Department of Defense Minerva Initiative Grant with Dr. Martha Finnemore, focusing on “cyber” norms and Internet governance
- Conduct literature reviews and write memos and article drafts for the following topics: National cybersecurity strategies, computer emergency response teams, export controls, Internet governance, international cybersecurity

National Science Foundation Grant, Columbus, OH / Washington, DC

Co-Investigator

February 2012 – December 2013

- Co-Investigator on a NSF grant with Dr. Craig Jenkins, “Deciphering Middle East Conflict”
- Built an innovative Arab Spring event database for 22 countries and performed mixed-method analysis to determine significant results, regional trends and policy implications

The Mershon Center for International Security Studies, Columbus, OH

Edgar S Furniss Award Committee

2011

Grant Coordinator

2010

Lead Research Coordinator

2009 – 2012

- Assisted scholars with academic and policy research by conducting mixed-method analysis, assembling literature reviews, drafting articles, editing book manuscripts and communicating with publishers
- Managed three student assistants and supervised research assignments

International Risk Associates, Columbus, OH

Political Consultant

2011 – 2012

- Researched the political, cultural and social risks involved in client investments
- Specific focus areas: Post-Soviet spaces, China and Africa

SERVICE

Conferences Organized:

Co-Organizer:

- “Cyber and National Security Academic-Practitioner Workshop,” George Washington University (2014)

Conference and Workshop Participation:

Chair:

- International Studies Association: 2016
- Midwest Political Science Association: 2015

Discussant:

- International Studies Association: 2016
- Midwest Political Science Association: 2015
- “A Repressive Inheritance: Decolonization and Dissent,” Kristine Eck, Intrastate Conflict and Violence Workshop (2015)
- “If Torture is Wrong, What About 24?: Torture and the Hollywood Effect,” Joseph Young, Intrastate Conflict and Violence Workshop (2015)
- “Dr Evil’s Curse: how and why revisionist states tell the world about their aggressive intentions,” Michael Joseph, International Relations Workshop (2014)

Moderator:

- “Norms and Cyberspace Operations,” Cyber and National Security Academic-Practitioner Workshop (2014)

George Washington University:

Coordinator, International Relations Workshop (2014 – Present)

Co-Chair, Graduate Student Caucus (2014 – Present)

The Ohio State University:

Member, Edgar S. Furniss Award Committee, Mershon Center for International Security Studies (2011 – 2012)
Grants Coordinator, Mershon Center for International Security Studies (2010 – 2012)
Managing Editor, Journal of Politics and International Affairs (2009 – 2011)

SKILLS AND TRAINING

Additional Training:

Institute for Qualitative and Multi-Method Research (IQMR),
Syracuse University, Summer 2016

Methods Interests:

Causal pathways and causal inference; linear/non-linear modeling; multilevel modeling; time series, event count models; network analysis; data visualization; machine learning

Computer Skills:

Stata; R; Python; T_EX (L^AT_EX, B_IB_TE_X)

Clearance:

Secret

Languages:

English; Spanish (Intermediate-Level); Mandarin (Basic-Level)

PROFESSIONAL ASSOCIATIONS

American Political Science Association
International Studies Association
Peace Science Society
Midwest Political Science Association