

# David Muchlinski

## ACADEMIC APPOINTMENTS

### Current Appointment

2018-present **Assistant Professor**, The Sam Nunn School of International Affairs, Georgia Tech, Atlanta, GA.

### Past Appointments

- 2017-2018 **Postdoctoral Research Associate**, University of New South Wales, Sydney, Australia.
- 2015-2017 **Postdoctoral Research Associate**, King's College London and University of Glasgow, United Kingdom.
- 2014-2015 **Adjunct Professor of Political Science**, University of Nebraska, Omaha, Omaha, Nebraska.

## EDUCATION

- Ph.D. **Arizona State University**, Tempe, AZ, 2013.  
School of Politics and Global Studies
- M.A. **Arizona State University**, Tempe, AZ, 2009.  
School of Politics and Global Studies
- B.A. **University of Redlands**, Redlands, CA, 2007.  
Department of Government and Department of Economics.  
Magna cum Laude, Phi Beta Kappa

## PUBLICATIONS

### Refereed Journal Articles

- 2022 Alfred Krzywicki, **David Muchlinski**, Benjamin E. Goldsmith, and Arcot Sowmya. "From Academia to Policy Makers: A Methodology for Real Time Forecasting of Infrequent Events" *Journal of Computational Social Science*, 5:1489-1510

- 2021 **Muchlinski, David**. “Swords and Plowshares: Property Rights, Collective Action, and Non-state Governance in the Jewish Community of Palestine 1920-1948”. *American Political Science Review* 115(4) 1373-1387
- 2021 **Muchlinski, David**, Xiao Yang, Sarah Birch, Craig Macdonald, and Iadh Ounis. “We Need to Go Deeper: Measuring Electoral Violence using Social Media and Convolutional Neural Networks” *Political Science Research and Methods* 9(1), 122-139
- 2020 Butcher, Charles, Ben Goldsmith, Sascha Nanlohy, Arcot Sowmya, and **David Muchlinski**. “Introducing the Targeted Mass Killing Dataset for the Study and Forecasting of Mass Atrocities” *Journal of Conflict Resolution*, 64(7-8) 1524-1547
- 2020 Sarah Birch and **David Muchlinski** The Dataset of Countries at Risk of Electoral Violence, *Terrorism and Political Violence*, 32:2, 217-236
- 2019 **Muchlinski, David**, David Siroky, Matthew Kocher, and Jingrui He. “Seeing the Forest through the Trees” *Political Analysis* 27(1) 111-113
- 2018 Brich, Sarah, **David Muchlinski**. “Electoral Violence Prevention: What Works?” *Democratization* 25(3) 385-403. *Winner of the 2019 Frank Cass Best Article award*
- 2016 **Muchlinski, David**, David Siroky, Jingrui He, and Matthew Kocher. “Comparing Random Forest with Logistic Regression for Predicting Class Imbalanced Civil War Onset Data”. *Political Analysis* 24(1) 87-103
- 2014 **Muchlinski, David**. “Grievances and Opportunities: Religious Violence across Political Regimes”. *Politics and Religion* 7(4) 684-705

## Refereed Conference Proceedings

- 2024 “Silent Signals, Loud Impact: LLMs for Word-Sense Disambiguation of Coded Dog Whistles”. Julia Kruk, Michela Marchini, Rijul Magu, Caleb Ziems, **David Muchlinski**, Diyi Yang. *Proceedings of the Association for Computational Linguistics (ACL)*
- 2021 Mai El-Sherief, Caleb Ziems, **David Muchlinski**, Vaishnavi Anupindi, Jordyn Seybolt, Munmun De Choudhury and Diyi Yang. “Latent Hatred: A Benchmark for Understanding Implicit Hate Speech”. *Proceedings of the 2021 Conference on Empirical Methods in Natural Language Processing (EMNLP)* 345-363
- 2020 Courtney Crooks, Matthew Canham, Tom McNeil, **David Muchlinski**, and Ben Sawyer. 2020. “Understanding Online Information Operations: Development of an Influence Network for Scientific Inquiry Testing Environment (INSITE)”. *2020 IEEE International Conference on Big Data (Big Data)*, 4318-4324.

## Book Chapters

- 2022 **Muchlinski, David**. “Machine Learning and Deep Learning in Political Science”. Encyclopedia of Technology and Politics. Andrea Ceron (Ed.) Edward Elgar Publishing LTD.
- 2019 **Muchlinski, David**. “The Politics and Effects of Religious Grievance”. Oxford Research Encyclopedia of Politics. Oxford University Press.
- 2017 Birch, Sarah, and **David Muchlinski**. “Electoral Integrity and Electoral Violence” in Electoral Integrity and Political Regimes: Actors, Strategies, and Consequences. Holly Ann Garnett and Margarita Zavadskaya (Eds.) Routledge Press.
- 2015 **Muchlinski, David**, and David Siroky. “Identity Politics on the World Stage” in Encounters with World Affairs: an Introduction to International Relations, E. Kavalski (Ed.). Ashgate Press, p. 295-309.

## Non Peer Reviewed Publications

- 2020 **Muchlinski, David**; Crooks, C. L.; De Choudhury, M.; Christofferson, R. C.; Kaslow, N. J. & Shrum, W. (June, 2020). Social Media Data, Machine Learning, and Predicting Online Disinformation Propagation. Research Agenda-Setting Paper presented to NSF CONVERGE COVID-19 Working Groups for Public Health and Social Sciences Research.

## Manuscripts in Submission

at *Psychological Trauma: Theory, Research, Practice, and Policy*  
at *Journal of Human Rights*

## Manuscripts in Preparation

Authoritarian Elections, Electoral Integrity, and Political Instability: Dangerous Choices from the Menu of Manipulation?

Zero the Hero: A Constrained Zero-Inflated Generalized Additive Model for Forecasting Cross-National Battle-Related Fatalities

---

## EXTERNAL GRANTS AND AWARDS

- 2023 “Understanding Vulnerability and Resilience Factors Associated with Group Violence: Development of a Theoretically-Grounded Measurement Framework for Behavioral Risk Assessment and Intervention”. Department of Homeland Security \$1,650,021 submitted, *Rejected*
- 2023 Investigating the Causes of Right-Wing Radicalization in Social Media. Department of Homeland Security \$432,199 submitted, *Rejected*

- 2023 A Cross-Platform Early-Warning System to Detect Violent Domestic Radicalization and Extremism in Social Media. National Institute of Justice \$1,300,000 submitted. *Rejected*
- 2020 “A Proposal to Mitigate COVID-19 Disinformation Online”. National Science Foundation RAPID Program. *Rejected*
- 2020 PI, Social Media Data, Machine Learning, and Predicting Online Disinformation Propagation. National Science Foundation CONVERGE Program. \$1,000
- 2020 “Computational Framework and Analytics Assessing the Effects of Social Engineering Attacks on Democratic Belief Systems”. American Political Science Association. *Rejected*
- 2019 Frank Cass Best Article award (2018) for the article “Electoral Violence Prevention: What Works?” published in *Democratization* 25(3) 385-403. £250
- 2017 Integrated Electoral Violence Forecasting Project, United States Department of State \$178,000, Co-I’s Sarah Birch, Jeffrey Fischer, and David Muchlinski

---

## INTERNAL GRANTS AND AWARDS

- 2023 PI, Independent Research and Development (IRAD) Early Researchers Program (HIVES). “Which Messages Radicalize? Assessing the Language of Far-Right Extremism on Social Media and its Impacts on Democracy” \$20,000
- 2023 Ivan Allen College Travel Grant \$2,5000
- 2023 PI Short-term Opportunity for Professional Development and Scholarly Activities (SODA) “What Messages Radicalize? Connecting Messages across Domains to Radicalization Against Democracy among Extremists on Social Media” \$5,000
- 2022 PI, Independent Research and Development (IRAD) Early Researchers Program (HIVES) “Radicalization Against Democracy (RAD)” \$25,000
- 2022 PI, Small Grant for Research (SGR-B) “Radicalized Discourse in Social Media as Early Warning for Political Violence”, \$5,000
- 2021 PI, Digital Integrative Liberal Arts Center (DILAC) DILAC-A “Radicalization Against Democracy (RAD)” \$5,000
- 2020 Co-I, ”Community-Focused Assessment of the Experiential Impact of COVID-19”, Healthcare Innovation Program: Pandemic Proposal
- 2020 PI, Independent Research and Development (IRAD) Early Researchers Program (HIVES) ”Psychological Profiling with Social Media to Examine Offline Threats to Democratic Security”. \$25,000

- 2020 PI, Digital Integrative Liberal Arts Center (DILAC) DILAC-A “Dynamic Data Visualization for Interpretation of Social Networking Phenomena” \$5,000
- 2019 PI, Small Grant for Research (SGR-B) “Reducing Mass Atrocities through Transnational Justice”. \$4,500
- 2013 Dissertation Completion Grant, Arizona State University
- 2011 Blavatnik Family Foundation Award for Russian and Israeli Studies, Middlebury Language Institute
- 2011 Graduate Field Research Support Grant, Arizona State University

## MEDIA AND ADVOCACY

- 2022 Podcast: *Diaries of Social Data Research*, “Constructing a Taxonomy of Implicit Hate Speech Grounded in Social Theory” with Diyi Yang. <https://anchor.fm/diaries-soc-data-research/episodes/19-Constructing-a-Taxonomy-of-Implicit-Hate-Speech-Grounded-in-Social-Theory-with-Diyi-Yang-and-David-Muchlinski-e1111a0/a-a87s3io>
- 2018 News Media: *Washington Post*, “Violence around election time actually makes people more likely to vote” <https://www.washingtonpost.com/world/2018/11/05/violence-around-election-time-actually-makes-people-more-likely-vote/>

## INVITED PRESENTATIONS

- 2024 "A Zero-Inflated Generalized Additive Model to Predict Conflict Related Fatalities", University of Florida, March 3, 2024
- 2023 “Zero the Hero: Using Conflict Event Data and a Zero-Inflated Generalized Additive Model to Predict Conflict Fatalities” VIEWS Prediction Challenge, Berlin, Germany, October 10-11
- 2023 “Early Warning for Electoral Violence”. United Nations Working Group on Enforced or Involuntary Disappearances during the 131st Session of the Office of the High Commissioner for Human Rights
- 2022 “Discussing Radicalization in Online Communities”. Free Market Institute: Texas Tech, November 11
- 2022 Data in Contentious Politics Workshop. The Ohio State University Mershon Center. January 18-19. *Virtual Event*
- 2020 “Comparing Stacking to Bayesian Model Averaging to Forecast Civil Conflict in Africa”. VIEWS Prediction Competition, Uppsala Sweden, October 8-9 *Virtual Event*
- 2019 “Machine Learning in Political Science”. ReSPoS Summer School, Milan Italy, June 26

- 2019 “Alternative Metrics for Evaluating Conflict Forecasts”. Prediction, Visualization, and Early Warning (PREVIEW) Workshop, January 29-30, Berlin, Germany
- 2018 “Predicting Low-Intensity Political Violence using Social Media”. Modern Event Data Development and Analysis Mini-Conference, American Political Science Association Meeting, Boston, August 29
- 2018 “Utilizing Proper Forecasting Metrics in Conflict Studies”. Workshop on Forecasting Political Violence, University College London, United Kingdom, May 18-19
- 2018 “Predicting Low-Intensity Political Violence using Social Media”. Australian National University. Canberra, Australia, April 26
- 2017 “Electoral Violence: Some Initial Hypotheses based on New Data”, Workshop on Electoral Violence, King’s College London, London, United Kingdom, March 3

---

## SELECTED CONFERENCE PRESENTATIONS

- 2024 “Forecasting Political Violence: Some Thoughts on Leading Indicators”, International Studies Association, San Francisco, California
- 2024 “Reducing Mass Atrocities through Transnational Justice”, Southern Political Science Association, New Orleans, Louisiana
- 2023 “What Messages Radicalize? Connecting Messages across Domains to Radicalization Against Democracy among Far-Right Extremists on Social Media”. Comptext Conference, University of Strathclyde, Glasgow, Scotland, United Kingdom.
- 2023 “Assessing the Causes of Right-Wing Radicalization in Social Media”. Southern Political Science Association, St. Petersburg, Florida
- 2022 “Latent Hatred: An Investigation of Right-Wing Rhetoric Driving Support for Political Violence on Parler”. American Political Science Association, Montreal, Quebec, Canada
- 2022 “From Academia to Policy Makers: A Methodology for Real Time Forecasting of Infrequent Events”. International Studies Association, Nashville, Tennessee.
- 2022 “Authoritarian Elections, Electoral Integrity, and Political Instability: Dangerous Choices from the Menu of Manipulation?” Carolina’s Conflict Consortium, Columbia South Carolina
- 2021 “A Benchmark Dataset for Detecting and Explaining Implicit Hate Speech”. American Political Science Association, Seattle, Washington, *Virtual*
- 2020 “Reducing Mass Atrocities through Transnational Justice”. International Studies Association, Honolulu, Hawaii, *Cancelled due to COVID-19*

- 2019 “Quantifying the Responsibility to Protect: Evaluating Forecasts of Genocide Onset with Decision Curve Analysis”. American Political Science Association Meeting, Washington DC
- 2019 “Quantifying the Responsibility to Protect: Forecasting Genocide and Recommending Policy Options”. International Studies Association
- 2018 “Electoral Malpractice and Political Instability: Dangerous Choices from the Menu of Manipulation?”. American Political Science Association
- 2017 “How the Distribution of Property Rights Affects Collective Action: Theory and Evidence from the Jewish Community of Palestine 1917-1948”, American Political Science Association
- 2016 “Uncertainty, Risk, and Electoral Violence”, European Consortium for Political Research, Prague, Czech Republic
- 2016 “Which Elections will be Violent? Forecasting Electoral Violence using the Cross-National Electoral Violence Dataset”, American Political Science Association
- 2016 “Assessing Electoral Prevention Strategies”, European Political Science Association Conference, Brussels, Belgium
- 2014 “On the Analysis of Comparative Historical Data”, Midwestern Political Science Association
- 2012 “The Relationship Between Regime Type and Violence Directed Against Religious Minorities”, Institute for the Study of Religion, Economics, and Society Workshop, Chapman University, California

## TEACHING EXPERIENCE

- INTA 2010 Empirical Methods (Undergraduate Statistics)
- INTA 2120 Introduction to International Security
- INTA 4803/8803 Political Violence and Civil War
- INTA 6003 Empirical Research Methods (Graduate Research Design)
- INTA 6450 Data Analytics and Security (Maximum Likelihood Seminar)
- INTA 8001 Sci, Tech & Int'l Affairs II (OLS Regression Seminar)

## SERVICE

### Service to the Profession

- Chair: ISA 2022, APSA 2022
- Discussant: SPSA 2023, ISA 2022, APSA 2022

Manuscript Reviewer for: American Political Science Review, American Journal of Political Science, Journal of Politics, British Journal of Political Science, Political Science Research and Methods, Journal of Peace Research, Journal of Conflict Resolution, Comparative Political Studies, Conflict Management and Peace Science, Religion and Politics, Sociological Research and Methods, Nature: Human Behavior

### Service to Georgia Tech

- 2002 Search Committee International Security
- 2022 Search Committee International Political Economy
- 2022 Stood for Election to University-Wide Student Honor Committee (Not Elected)
- 2018-2020 Undergraduate Student Committee, Sam Nunn School of International Affairs, Georgia Institute of Technology
- 2021-present Graduate Committee, Steering Committee, Awards Committee, Sam Nunn School of International Affairs, Georgia Institute of Technology

### Ph.D. Students Advised

- 2022 Wesley Meredith. Dissertation title: “US and China in Africa: How Aid and Official Development Finance is a Tool of Great Power Competition”  
*Position: Colonel, United States Air Force*

### NONACADEMIC WORK

- 2017 Creative Associates International, Consultant

### LANGUAGE SKILLS

- Human: Hebrew (Limited), English (Native)
- Computer: R: `tidyverse`, `tidytext`, `caret`, `word2vec`, `keras`, `huggingface`, `LATEX`

### REFERENCES

References available upon request