

MICHAEL COLARESI
Associate Vice Provost for Data Science
and Professor of Political Science
University of Pittsburgh
ORCID: 1-9574-5723

4600 Wesley W. Posvar Hall
Pittsburgh, PA 15260

mcolaresi@pitt.edu
michaelcolaresi.com

Education

Indiana University, PhD 2002

St. Mary's College of Maryland, B.A. 1998 (summa cum laude)

Academic Employment

Associate Vice Provost for Data Science, University of Pittsburgh, 2023-Current

William S. Dietrich II Professor of Political Science, University of Pittsburgh, 2017-Current.

Assistant Director, Center for Research Computing and Data, 2024-Current.

Director, Responsible Data Science, Complexity, and AI for Peace (ReDSCAIP) Lab, 2024-Current.

Co-founding Director of the Computational Social Science Major, University of Pittsburgh, 2021-Current.

Assistant Director, Center for Research Computing, University of Pittsburgh, 2024-Current.

Faculty Affiliate, Institute for Cyber Law, Policy, and Security, University of Pittsburgh, 2017-Current.

Research and Academic Director, Institute for Cyber Law, Policy and Security, University of Pittsburgh, 2019-2023.

Director, Pitt Disinformation Lab, Institute for Cyber Law, Policy and Security, University of Pittsburgh, 2021-2024.

Faculty Affiliate, Intelligent Systems Program, University of Pittsburgh, 2020-2024.

Founding Director, Social Science Data Analytics initiative, College of Social Science, 2015-2017.

Professor, Department of Political Science, Michigan State University 2013-2017.

Associate Professor, Department of Political Science, Michigan State University, 2008-2013.

Associate Professor, Department of Political Science, University of Colorado-Boulder, 2008.

Assistant Professor, Department of Political Science, Michigan State University, 2004-2008.

Post-Doctoral Fellow, Department of Politics and International Relations, Oxford University, 2003-2004.

Post-Doctoral Fellow, Mershon Center, Ohio State University, 2002.

Publications

Books

Colaresi, Michael. 2014. *Democracy Declassified: The Secrecy Dilemma in National Security*. Oxford University Press.

Colaresi, Michael, Karen Rasler and William R. Thompson. 2007. *Strategic Rivalries in World Politics*. Cambridge University Press.

Colaresi, Michael. 2005. *Scare Tactics: The Politics of International Rivalry*. Syracuse University Press.

Refereed Articles, Refereed Conference Proceedings, and Introductions to Special Issues

- Hegre, Håvard, Paola Vesco, **Michael Colaresi**, Jonas Vestby, Alexa Timlick, Noorain Syed Kazmi, Friederike Becker, Marco Binetti, Tobias Bodentien, Tobias Bohne, Patrick T. Brandt, Thomas Chadeaux, Simon Drauz, Christoph Dworschak, Vito D’Orazio, Cornelius Fritz, Hannah Frank, Kristian Skrede Gleditsch, Sonja Häffner, Martin Hofer, Finn L. Klebe, Luca Macis, Alexandra Malaga, Marius Mehr, Nils W. Metternich, Daniel Mittermaier, David Muchlinski, Hannes Mueller, Christian Oswald, Paola Pisano, David Randahl, Christopher Rauh, Lotta Rüter, Thomas Schincariol, Benjamin Seimon, Elena Siletti, Marco Tagliapietra, Chandler Thornhill, Johan Vegelius, Julian Walterskirchen. Forthcoming. “The 2023/24 VIEWS Prediction Challenge: Predicting the Number of Fatalities in Armed Conflict, with Uncertainty.” the Journal of Peace Research

Rahimian, Amin and **Michael Colaresi**. Forthcoming. “Democratic Resilience and Sociotechnical Shocks”. Computational and Mathematical Organizational Theory.

Hsu, Hsu-Chiang Hsu, Bree Bang-Jensen, **Michael Colaresi**, Panos K Chrysanthis, Vladimir I Zadorozhny. 2024. “Using the Tsetlin Machine to Discover Fatality-Based Transitions in Political Violence”. 2024 International Symposium on the Tsetlin Machine (ISTM).

Hsu, Hsu-Chiang, Bree Bang-Jensen, **Michael Colaresi**, Panos K. Chrysanthis and Vladimir I. Zadorozhny. 2023 “Explainable Tracking of Political Violence Using the Tsetlin Machine”. Proceedings of the International Symposium on the Tsetlin Machine (ISTM).

Zhang, Xiaozhong, and Jiawei Xu, Merve Keskin, **Michael Colaresi**, Vladimir Zadorozhny and Panos Chrysanthis. 2022. “HR-VEAW: A Human Rights Violation Exploration, Analytics, and Warning System” International Workshop on Big Data Visual Exploration and Analytics.

Vesco, Paula, Håvard Hegre, **Michael Colaresi**, Remco Bastiaan Jansen, Adeline Lo, Gregor Reisch, and Nils B. Weidmann. 2022. “United They Stand: Findings from an Escalation Prediction Competition”. International Interactions.

Vesco, Paula, Håvard Hegre, and **Michael Colaresi** “Lessons from an Escalation Prediction Competition”. 2022. International Interactions. *Note: non-blinded but peer-reviewed introduction to the special issue*

Hegre, Håvard, Curtis Bell, **Michael Colaresi**, Mihai Croicu, Frederick Hoyles, Remco Jansen, Maxine Ria Leis, Angelica Lindqvist-McGowan, David Randahl, Espen Geelmuyden Rød, and Paola Vesco. 2021. “*ViEWS*₂₀₂₀: Revising and Evaluating the ViEWS Political Violence Early Warning System”. Journal of Peace Research.

Park, Baekwan, Kevin Greene and **Michael Colaresi**. 2020. “Human Rights are (Increasingly) Plural: Learning the Changing Taxonomy of Human Rights From Large-scale Texts Reveals Information Effects.” American Political Science Review.

Colaresi, Michael. 2020. “How our understanding of the digital and computing revolutions puts democracy at risk (and what to do about it)”. Critical Quarterly 62(1): 70-80.

Park, Baekwan, Kevin Greene and **Michael Colaresi**. 2020. “How to Teach Machines to Read Human Rights Reports and Identify Judgments at Scale: Introducing PULSAR.” Journal of Human Rights.

- Park, Baekkwon, Kevin Greene and **Michael Colaresi**. 2019. "Beyond a Bag of Words: Using PULSAR to Extract Judgments on Specific Human Rights at Scale." *Peace Economics, Peace Science, and Public Policy*. vol. 24(4), pages 1-7.
- Hegre, Håvard, Marie Allansson, Matthias Basedau, **Michael Colaresi**, Mihai Croicu, Hanne Fjelde, Frederick Hoyles, Lisa Hultman, Stina Högladh, Remco Jansen, Naima Mouhleb, Sayyed Auwn Muhammad, Desirée Nilsson, Håvard Møkleiv Nygård, Gudlaug Olafsdóttir, Kristina Petrova, David Randahl, Espen Geelmuyden Rød, Gerald Schneider, Nina von Uexkull, Jonas Vestby. 2019. "ViEWS: A Political Violence Early Warning System". *Journal of Peace Research* 56(2): 155-174
- Greene, Kevin, Baekkwon Park and **Michael Colaresi**. 2019. "Machine Learning Human Rights and Wrongs: How the Successes and Failures of Supervised Learning Algorithms Can Inform the Debate About Information Effects." *Political Analysis*.
- Colaresi, Michael**. 2017. "Fighting Abroad, Fighting at Home (and Vice Versa): Identifying the Relationship Between Civil and Interstate Conflict with Fewer Assumptions." *Encyclopedia of Empirical International Relations Theory*.
- Colaresi, Michael** and Zuhair Mahmood. 2017. "Do the Robot: Lessons from Machine Learning to Improve Conflict Forecasting" *Journal of Peace Research* 54(2).
- Colaresi, Michael**. 2016. "Preplication, Replication: A Proposal to Efficiently Upgrade Journal Replication Standards" *International Studies Perspectives* 17 (4): 367-378.
- Carey, Sabine, **Michael Colaresi** and Neil Mitchell. 2016. "Risk Mitigation, Regime Security, and Militias: Beyond Coup-proofing" *International Studies Quarterly* 60 (1): 59-72.
- Carey, Sabine, **Michael Colaresi** and Neil Mitchell. 2015. "Governments, Informal Links to Militias, and Accountability". *Journal of Conflict Resolution*. 59(5): 850-876.
- Colaresi, Michael**. 2014. "With Friends Like These, Who Needs Democracy: The Effect of Transnational Support from Rivals on Post-conflict Democratization." *Journal of Peace Research* 51(1): 65-79.
- Park, Johann and **Michael Colaresi**. 2014. "Safe Across the Border: The Continued Significance of the Democratic Peace When Controlling for Stable Borders." *International Studies Quarterly*.
- Colaresi, Michael**. 2012. "A Boom with Review: How Retrospective Oversight Increases the Foreign Policy Ability of Democracies". *American Journal of Political Science* 56(3):671-689.
- Quinn, Kevin, Burt Monroe, **Michael Colaresi**, Michael Crespin and Dragomir Radev. 2010. "How to Analyze Political Attention with Minimal Assumptions and Costs". *American Journal of Political Science* 54(1):209-228.
- Monroe, Burt, and **Michael Colaresi** and Kevin Quinn. 2009. "Fightin' Words: Lexical Feature Selection and Evaluation for Identifying the Content of Political Conflict". *Political Analysis* 16(4):372-403.
- Brandt, Patrick and **Michael Colaresi** and John Freeman. 2008. "The Dynamics of Reciprocity, Accountability and Credibility". *The Journal of Conflict Resolution* 52(2):343-374.
- Colaresi, Michael** and Sabine Carey. 2008. "To Kill or to Protect: Security Forces, Domestic Institutions and Genocide". *The Journal of Conflict Resolution* 51(1):39-67.
- Hassan, Ahmed, Anthony Fader, Michael H Crespin, Kevin M Quinn, Burt L Monroe, **Michael Colaresi**, and Dragomir Radev. 2008. "Tracking the dynamic evolution of participants salience in a discussion". *Proceedings of the 22nd International Conference on Computational Linguistics (Coling 2008)*.
- Colaresi, Michael**. 2007. "The Benefit of the Doubt: Testing an Informational Theory of the Rally-Effect". *International Organization* 61(1): 99-144.

Fader, Anthony, Dragomir Radev, Michael H Crespin, Burt L Monroe, Kevin M Quinn, and **Michael Colaresi**. 2007. "MavenRank: Identifying influential members of the US senate using lexical centrality". Proceedings of the 2007 Joint Conference on Empirical Methods in Natural Language Processing and Computational Natural Language Learning (EMNLP-CoNLL).

Colaresi, Michael and William R. Thompson. 2005. "Alliances, Arms Buildups and Recurrent Conflict: Testing a Steps-to-War Model". *Journal of Politics* 67(2): 345-364.

Colaresi, Michael. 2004. "Aftershocks: Post-War Leadership Tenure, Rivalry, and Regime Dynamics". *International Studies Quarterly*. 48(4): 713-727.

Colaresi, Michael. 2004. "When Doves Cry: Unreciprocated Cooperation and Leadership Tenure". *American Journal of Political Science* 48(3):555-570.

Colaresi, Michael and William R. Thompson. 2003. "The Democracy-Economic Development Nexus: Does the Outside World Matter?". *Comparative Political Studies* 36(4): 381-403.

Colaresi, Michael and William R. Thompson. 2002. "Hot Spots or Hot Hands: Serial Crises, Escalating Risks, and Strategic Rivalry". *Journal of Politics* 64(4): 1175-1198.

Colaresi, Michael and William R. Thompson. 2002. "Protracted Conflict and Strategic Rivalry". *Journal of Peace Research* 39(3): 263-287.

Cornwell, Derek and **Michael Colaresi**. 2002. "Holy Trinities and Rivalries: A Hazard Analysis of Rivalry Escalation and Termination". *International Interactions* 28(4): 325-354.

Colaresi, Michael. 2001. "Shocks to the System: Great Power Rivalry and the Leadership Long-cycle". *Journal of Conflict Resolution* 45(5): 569-59.

Awards, Grants, and Certifications

- *Richard King Mellon Foundation* for "Workforce Development in Data Science", Responsible Data Science at Pitt (Office of the Provost), \$234,000, PI.
- University of Pittsburgh Representative to the Industry of Ideas Faculty Steering Committee, Social Science Research Council/National Science Foundation, 2024-Current.
- European Commission Expert on Conflict Prediction, 2023-Current.
- External Researcher, Peace Research Institute Oslo, 2023-Current.
- Fellow, Center for Advanced Studies, Oslo, Norway, 2022-2023.

Henry L. Hillman Foundation for "Building Community Resilience Against Social Media Dis/mis-information", Pitt Disinformation Lab, \$115,000, PI with Lara Putnam and Beth Schwanke, 2022-2024.

Institute for Cyber Law, Policy, and Security Accelerator Grant, University of Pittsburgh for "Improving the Measurement and Moderation of Place-based Social Media in Western PA: Launching the Pittsburgh Disinformation Lab", \$50,000, PI with Lara Putnam, 2022-2024.

National Science Foundation Grant, Tracking Horizontal Inequalities Across Dimensions (TrIAD), \$408,045, SES #2017614, PI with Vladimir Zadorozhny and Panos Chrysanthis, 2020-2023

Institute for Cyber Law, Policy and Security Accelerator Grant, University of Pittsburgh for "A Program to Innovate Solutions to Digital Disinformation Across Democracies" \$17,500, 2019-2020, with Jonathan Woon.

Social Science Research Initiative Award, University of Pittsburgh for "The Vulnerability of Social Learning to Adversarial Digital Disinformation (VLADD)", \$49,520, 2019-2020, with Jonathan Woon, Yu-Ru Lin, Sera Linardi, Baekkwon Park, and Prashant Krishnamurthy.

Best Visualizations Award from the Journal of Peace Research for “Do the Robot: Lessons from Machine Learning to Improve Conflict Forecasting“, with Zuhaib Mahmood, 2018

National Science Foundation Grant, Analyzing NGO Communications to Understand Contestation and Collaboration with Governments Across Human Rights Issues, \$156,000, PI with Baekkwon Park as co-PI. 2017-2020.

Shortlisted for the Conflict Research Society Book Prize, Democracy Declassified: The Secrecy Dilemma in National Security, 2015.

Guest Professorship in Methodology, University of Mannheim, Summer 2013.

National Science Foundation Grant, Opposition, Rhetoric, and Democratic-Styled Institutions in the Middle East and North Africa (\$ 404,916, total), Co-PI with Burt Monroe, Kevin Quinn and Ellen Lust-Okar. SES-0924260.

Gosnell Prize for Excellence in Political Methodology, American Political Science Association, Methodology Section (with Kevin Quinn, Burt Monroe, Michael Crespin and Dragomir Radev.), 2006.

National Science Foundation Grant, The Dynamics of Political Representation and Political Rhetoric, \$749,724 total, Co-PI with Burt Monroe, Dragomir R. Radev, Steven Abney, and Kevin Quinn. BCS 05-27513, DHB.

IRGP Grant, The Secrecy Dilemma: Information, Institutions and International Relations, \$27,200. Michigan State University.

Katherine C. Greenough Dissertation Award, Indiana University, 2003.

Gillespie Award for Methodology, Indiana University, 2002.

John Lovell Graduate Student Award, Indiana University, 2001.

ICPSR Summer Workshop Grant, Indiana University, 2000.

Greenough Memorial Grant, Indiana University 1999, 2000, 2001.

Departmental Fellowship, Indiana University, 1998, 1999.

Phi Beta Kappa, St. Mary's College of Maryland, 1998.

Political Science Department Award, St. Mary's College of Maryland, 1998.

Journal Editorship and Association Leadership

Member of Steering Committee, Text as Data Association. May 2015-Current

Member of the International Studies Association Executive Committee of the Governing Council. March 2021-2022.

Chair of International Studies Association Publications Committee. May 2020-2022.

International Interactions. January 2014-December 2018, co-editor with Gerald Schneider

Editorial Board Membership

American Journal of Political Science (2012-2013, 2019-2025)

International Studies Quarterly (2014-2022)

International Studies Perspectives (2014-2023)

Political Science Research and Methods (2012-2019)

Foreign Policy Analysis (2011-2022)

Journal of Global Security Studies (2015-2022)

International Interaction (2011-2013, 2019-2022)

Service as Reviewer

National Science Foundation

European Research Council

American Political Science Review

American Journal of Political Science

Journal of Politics

The Web Conference

International Organization

International Studies Quarterly

Journal of Conflict Resolution

Journal of Peace Research

British Journal of Political Science

International Interactions

Journal of Global Security Studies

Foreign Policy Analysis

Conflict Management and Peace Science

Cambridge University Press

Lynne Reiner Press

Data and Society